No. MIIUS0043EA

TOSHIBA

DICOM CONFORMANCE STATEMENT

FOR

DIAGNOSTIC ULTRASOUND SYSTEM

MODEL SSA-780A Aplio MX™ V1.00
(DICOM KIT USDI-790A AND USDI-792C)

TOSHIBA MEDICAL SYSTEMS CORPORATION

Trademarks

Aplio is a trademark of Toshiba Medical Systems Corporation.
This document may include trademarks or registered trademarks of other companies.

*

1. CONFORMANCE STATEMENT OVERVIEW

Table 1-1 provides an overview of the network services supported by *Aplio™ MX*.

Table 1-1
NETWORK SERVICES

SOP Classes	User of Service (SCU)	Provider of Service (SCP)
Transfer		
Secondary Capture Image Storage	Yes	Yes
Ultrasound Image Storage (retired)	Yes	Yes
Ultrasound Image Storage	Yes	Yes
Ultrasound Multi-frame Image Storage	Yes	Yes
Basic Text SR Storage	Yes*	Yes
Enhanced SR Storage	Yes*	No
Key Object Selection Document Storage	Yes*	No
Toshiba US Private Data Storage	Yes	Yes
Storage Commitment		
Storage Commitment Push Model	Yes	No
Query/Retrieve		
Study Root Q/R Information Model – Find	Yes*	No
Study Root Q/R Information Model – Move	Yes*	No
Workflow Management		
Modality Worklist Information Model – Find	Yes*	No
Modality Performed Procedure Step	Yes*	No
Print Management		
Basic Grayscale Print Management	Yes	No
Basic Color Print Management	Yes	No

*USDI-792C must be installed.

Table 1-2 provides an overview of the Media Storage Application Profiles supported by *Aplio™ MX*.

Table 1-2
MEDIA SERVICES

Media Storage Application Profile	Write Files (FSC)	Read Files (FSR)
Compact Disk – Recordable		
US Image CD	Yes	Yes
DVD Plus Recordable		
US Image DVD	Yes	Yes

*

2. TABLE OF CONTENTS

*

3. INTRODUCTION

3.1 AUDIENCE

This document is intended for hospital staff, health system integrators, software designers or implementers. It is assumed that the reader has a working understanding of DICOM.

3.2 REMARKS

DICOM, by itself, does not guarantee interoperability. However, the Conformance Statement facilitates a first-level validation for interoperability between different applications supporting the same DICOM functionality.

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication with Toshiba Medical Systems and other vendors' Medical equipment. The Conformance Statement should be read and understood in conjunction with the DICOM Standard [DICOM]. However, by itself it is not guaranteed to ensure the desired interoperability and a successful interconnectivity.

The user should be aware of the following important issues:

— The comparison of different conformance statements is the first step towards assessing interconnectivity between Toshiba Medical Systems and non-Toshiba Medical Systems equipment.

— Test procedures should be defined to validate the desired level of connectivity.

— The DICOM standard will evolve to meet the users' future requirements. Toshiba Medical Systems is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

3.3 DEFINITIONS, TERMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard.

Abbreviations and terms are as follows:

AE	Application Entity
ASCE	Association Control Service Element
CD-R	Compact Disk Recordable
DIMSE	DICOM Message Service Element
DVD	A trademark of the DVD forum that is not an abbreviation
DVD+R	DVD Plus Recordable
FSC	File-Set Creator
FSR	File-Set Reader
IE	Information Entity
IOD	Information Object Definition
ISO	International Standard Organization
MPPS	Modality Performed Procedure Step
MSPS	Modality Scheduled Procedure Step
MWM	Modality Worklist Management
PDU	Protocol Data Unit
SCU	Service Class User (DICOM client)
SCP	Service Class Provider (DICOM server)
SOP	Service-Object Pair
UID	Unique Identifier

3.4 REFERENCES

[DICOM] Digital Imaging and Communications in Medicine (DICOM), NEMA PS 3.1-3.18, 2006

4. NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

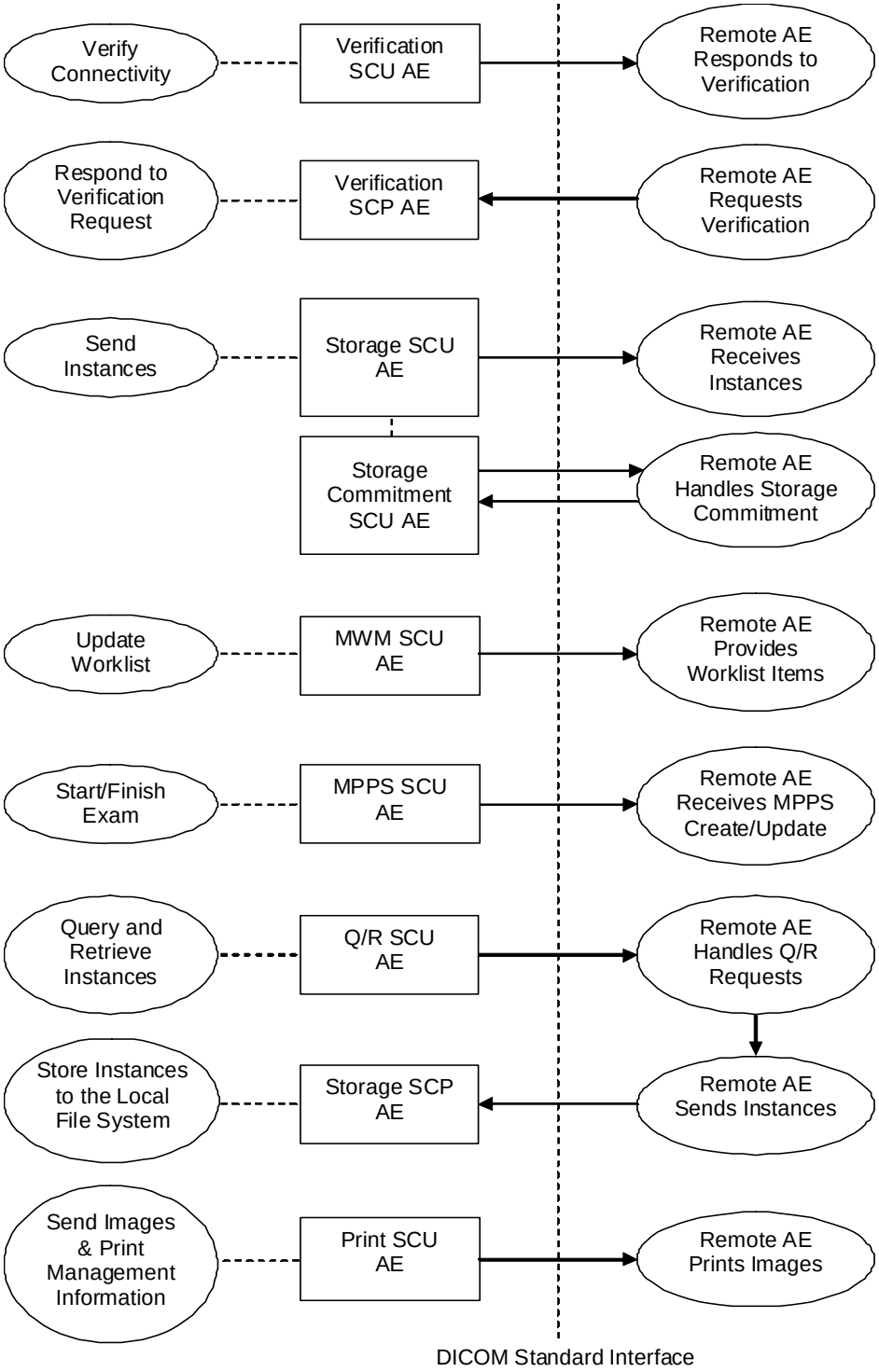


Figure 4.1-1
APPLICATION DATA FLOW DIAGRAM

- The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is associated with the local real-world activity “Verify Connectivity”. “Verify Connectivity” is performed via the Service Tool.
- The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles. It is associated with the local real-world activity “Respond to Verification Request”
- The Storage SCU AE sends instances to a remote AE. It is associated with the local real-world activity “Send Instances”. “Send Instances” is performed upon user request for specific instances selected. If the remote AE is configured as a Storage Commitment SCP AE, the Storage SCU AE will send a storage commitment request to the Storage Commitment SCU AE.
- Receiving the storage commitment request from the Storage SCU AE, the Storage Commitment SCU AE will request Storage Commitment and if a commitment is successfully obtained will record this information in the local database.
- The MWM SCU AE receives worklist information from a remote AE. It is associated with the local real-world activity “Update Worklist”. When the “Update Worklist” is performed the MWM SCU AE queries a remote AE for worklist items and provides the set of worklist items matching the query request. ”Update Worklist” is performed manually or automatically.
- The MPPS SCU AE sends MPPS information to a remote AE. It is associated with the local real-world activity “Start/Finish Exam”. When the “Start/Finish Exam” is performed the MPPS SCU AE creates and updates Modality Performed Procedure Step instances managed by a remote AE. Start of exam will result in automated creation of an MPPS Instance. Completion of the MPPS is performed as the result of an operator action.
- The Q/R SCU AE queries a remote AE for lists of studies and retrieves selected studies. It is associated with the local real-world activity “Query and Retrieve Instances”.
- The Storage SCP AE receives incoming instances. It is associated with the local real-world activity “Store Instances to the Local File System”. “Store Instances to the Local File System” stores the received instances to the local file system.
- The Print SCU AE prints images on a remote AE (Printer). It is associated with the local real-world activity “Send Images & Print Management Information”. “Send Images & Print Management Information” creates a print-job within the print queue containing one or more virtual film sheets composed from images selected by the user.

4.1.2 Functional Definition of AEs

4.1.2.1 Functional Definition of Verification SCU AE

The Verification SCU AE issues a C-ECHO to verify a DICOM connection to a remote AE. It is performed via the Service Tool.

4.1.2.2 Functional Definition of Verification SCP AE

The Verification SCP AE responds successfully to C-ECHO requests from known AE Titles.

4.1.2.3 Functional Definition of Storage SCU AE

The existence of a send-job queue entry with associated network destination will activate the Storage SCU AE. An association request is sent to the destination AE and upon successful negotiation of a Presentation Context the image transfer is started. If the image transfer fails, the Storage SCU AE will retry this send-job automatically. If the remote AE is configured as a Storage Commitment SCP AE, the Storage SCU AE will send a storage commitment request to the Storage Commitment SCU AE.

4.1.2.4 Functional Definition of Storage Commitment SCU AE

Receiving the storage commitment request from the Storage SCU AE, the Storage Commitment SCU AE will request Storage Commitment and if a commitment is successfully obtained will record this information in the local database.

4.1.2.5 Functional Definition of MWM SCU AE

The MWM SCU AE attempts to download a worklist from a remote node. If the MWM SCU AE establishes an association to a remote AE, it will transfer patient's information and worklist items via the open association. The results will be displayed in a separate list. The patient's information will be used for the patient registration.

4.1.2.6 Functional Definition of MPPS SCU AE

The MPPS SCU AE performs the creation of an MPPS Instance automatically when the user selects and starts a worklist item. Further updates on the MPPS data can be performed when the user completes the acquisition.

4.1.2.7 Functional Definition of Q/R SCU AE

The Q/R SCU AE is activated when the user selects a remote node to query and enters some key information, Patient's Name, Patient ID and/or Study Date. The user can select studies to be retrieved. The images will be received at the Storage SCP AE.

4.1.2.8 Functional Definition of Storage SCP AE

The Storage SCP AE waits for another application to connect at the presentation address configured for its AE Title. The Storage SCP AE will accept associations with Presentation Contexts for SOP Classes of the Storage Service Classes. Any images received on such Presentation Contexts will be stored to the local file system.

4.1.2.9 Functional Definition of Print SCU AE

The existence of a print-job in the print queue will activate the Print SCU AE. An association is established with the printer and the printer's status determined. If the printer is operating normally, the film sheets described within the print-job will be printed. If the printer is not operating normally, this print-job can be canceled or restarted by the user operations.

4.1.3 Sequencing of Real-World Activities

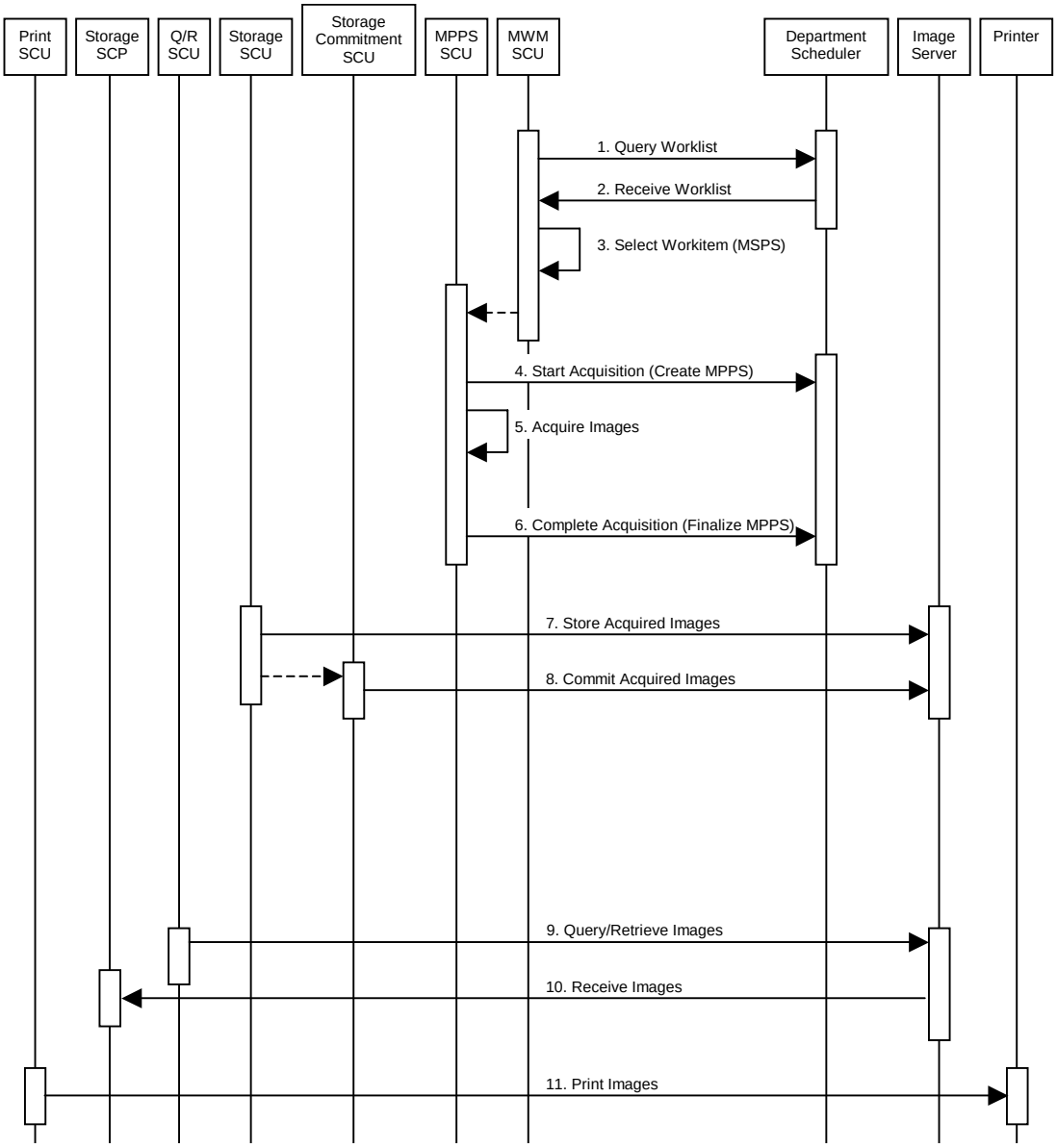


Figure 4.1-2
SEQUENCING CONSTRAINTS

Under typical scheduled workflow conditions the sequencing constraints illustrated in Figure 4.1-2 apply:

1. Query Worklist
2. Receive Worklist of Modality Scheduled Procedure Steps (MSPS)
3. Select Workitem (MSPS) from Worklist
4. Start Acquisition and Create MPPS
5. Acquire Images
6. Complete Acquisition and Finalize MPPS
7. Store Acquired Images
8. Commit Acquired Images
9. Query/Retrieve Images
10. Receive Images
11. Print Images

Other workflow situations (e.g. unscheduled procedure steps) will have other sequencing constraints. Some activities may be omitted according to situations.

4.2 AE SPECIFICATIONS

4.2.1 Verification SCU AE Specification

4.2.1.1 SOP Classes

The Verification SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-1
SOP CLASSES FOR THE VERIFICATION SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	No

4.2.1.2 Association Policies

4.2.1.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-2
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2 Number of Associations

The Verification SCU AE initiates one association at a time.

Table 4.2-3
NUMBER OF ASSOCIATIONS INITIATED FOR THE VERIFICATION SCU AE

Maximum number of simultaneous associations	1

4.2.1.2.3 Asynchronous Nature

The Verification SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-4
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.1.2.4 Implementation Identifying Information

The implementation information for the Verification SCU AE is:

Table 4.2-5
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity – Verify Connectivity

4.2.1.3.1.1 Description and Sequencing of Activities

The Verification SCU AE attempts to initiate a new association in order to issue a verification request (C-ECHO) if needed.

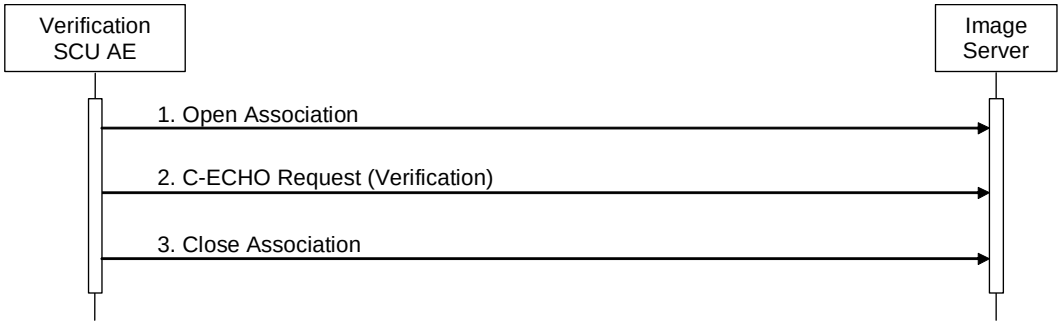


Figure 4.2-1
SEQUENCING OF ACTIVITY – VERIFY CONNECTIVITY

A possible sequence of interactions between the Verification SCU AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCP) is illustrated in the Figure above:

1. The Verification SCU AE opens an association with the Image Server.
2. The Verification SCU AE issues a verification request (C-ECHO) and the Image Server replies with a C-ECHO response (status success).
3. The Verification SCU AE closes the association with the Image Server.

4.2.1.3.1.2 Proposed Presentation Contexts

The Verification SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-6
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFY CONNECTIVITY

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.1.3.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCU AE provides standard conformance to the Verification Service Class as an SCU.

The behavior of Verification SCU AE when encountering status codes in a C-ECHO response is summarized in the table below:

Table 4.2-7
VERIFICATION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The Verification SCU AE judges the remote AE is present and active on the network.

The behavior of Verification SCU AE during communication failure is summarized in the table below:

Table 4.2-8
VERIFICATION COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

4.2.2 Verification SCP AE Specification

4.2.2.1 SOP Classes

The Verification SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-9
SOP CLASSES FOR THE VERIFICATION SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	No	Yes

4.2.2.2 Association Policies

4.2.2.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-10
DICOM APPLICATION CONTEXT FOR THE VERIFICATION SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.2.2.2 Number of Associations

Table 4.2-11
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE VERIFICATION SCP AE

Maximum number of simultaneous associations	Unlimited

4.2.2.2.3 Asynchronous Nature

The Verification SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-12
ASYNCHRONOUS NATURE FOR THE VERIFICATION SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.2.2.4 Implementation Identifying Information

The implementation information for the Verification SCP AE is:

Table 4.2-13
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE VERIFICATION SCP AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.2.3 Association Initiation Policy

The Verification SCP AE does not initiate associations.

4.2.2.4 Association Acceptance Policy

4.2.2.4.1 Activity – Respond to Verification Request

4.2.2.4.1.1 Description and Sequencing of Activities

When the Verification SCP AE accepts an association, it will respond to a verification request (C-ECHO).

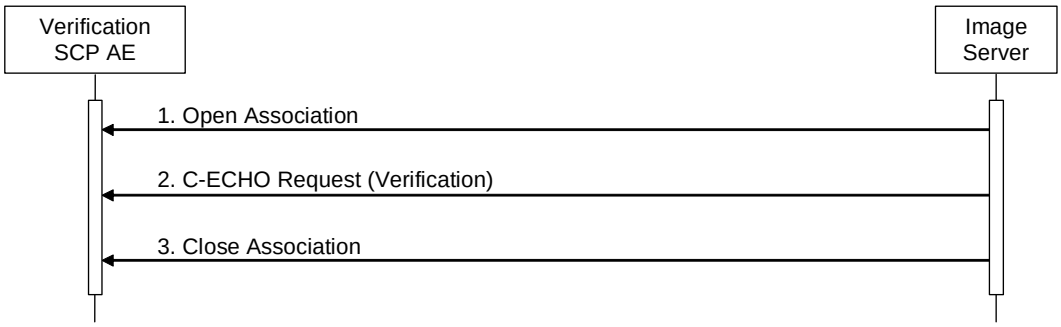


Figure 4.2-2
SEQUENCING OF ACTIVITY – RESPOND TO VERIFICATION REQUEST

A possible sequence of interactions between the Verification SCP AE and an Image Server (e.g. a storage or archive device supporting the Verification SOP Classes as an SCU) is illustrated in the Figure above:

1. The Image Server opens an association with the Verification SCP AE.
2. The Image Server issues a verification request (C-ECHO) and the Verification SCP AE replies with a C-ECHO response (status success).
3. The Image Server closes the association with the Verification SCP AE.

The Verification SCP AE may reject association attempts as shown in the table below. The Result, Source and Reason/Diag columns represent the values returned in the appropriate fields of an ASSOCIATE-RJ PDU (see PS 3.8, Section 9.3.4). The contents of the Source column is abbreviated to save space and the meaning of the abbreviations are:

Table 4.2-14
ASSOCIATION REJECTION REASONS

Result	Source	Reason/Diag	Explanation
1 – rejected-permanent	DICOM UL service-user	3 – calling-AE-title-not-recognized	The association request contained an unrecognized calling AE Title. An association request with the same parameters will not succeed at a later time unless configuration changes are made. This rejection reason normally occurs when the association acceptor has not been configured to recognize the AE Title of the association initiator.
1 – rejected-permanent	DICOM UL service-provider (ASCE related function)	1 – no-reason-given	The association request could not be parsed. An association request with the same format will not succeed at a later time.

4.2.2.4.1.2 Accepted Presentation Contexts

The default behavior of the Verification SCP AE supports the Implicit VR Little Endian and Explicit VR Little Endian transfer syntaxes. If the both transfer syntaxes are proposed per presentation context then the Verification SCP AE will select Explicit VR Little Endian transfer syntax.

Table 4.2-15
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY RESPOND TO VERIFICATION REQUEST

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.2.4.1.3 SOP Specific Conformance for Verification SOP Class

The Verification SCP AE provides standard conformance to the Verification Service Class as an SCP.

4.2.3 Storage SCU AE Specification

4.2.3.1 SOP Classes

The Storage SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-16
SOP CLASSES FOR THE STORAGE SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	No
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Key Object Selection Document Storage	1.2.840.10008.5.1.4.1.1.88.59		
Toshiba US Private Data Storage	1.2.392.200036.9116.7.8.1.1.1		

4.2.3.2 Association Policies

4.2.3.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-17
DICOM APPLICATION CONTEXT FOR THE STORAGE SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.3.2.2 Number of Associations

The Storage SCU AE can initiate up to three associations at a time for each destination to which a transfer request is being processed in the active job queue list. Up to three jobs, that images will be sent to the different remote hosts, will be active at a time, the other remains pending until the active job is completed or failed.

Table 4.2-18
NUMBER OF ASSOCIATIONS INITIATED FOR THE STORAGE SCU AE

Maximum number of simultaneous associations	3

4.2.3.2.3 Asynchronous Nature

The Storage SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-19
ASYNCHRONOUS NATURE FOR THE STORAGE SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.3.2.4 Implementation Identifying Information

The implementation information for the Storage SCU AE is:

Table 4.2-20
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity – Send Images

4.2.3.3.1.1 Description and Sequencing of Activities

The Storage SCU AE attempts to initiate a new association in order to issue a storage request (C-STORE). If the job contains multiple images then multiple C-STORE requests will be issued over the same association. If the image transfer fails, the Storage SCU AE will retry this send-job automatically.

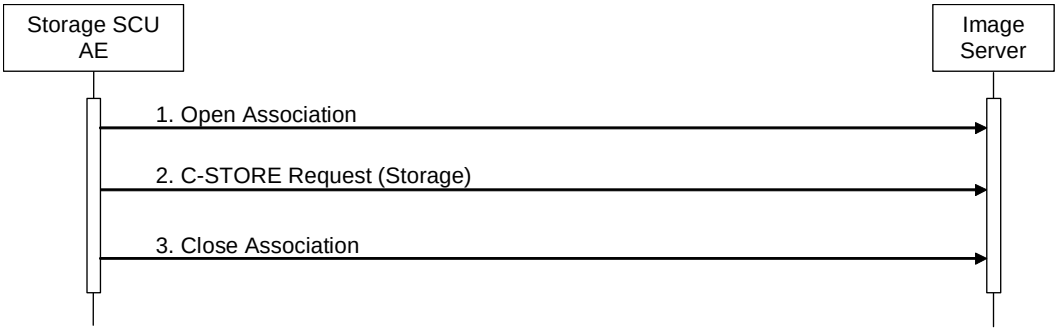


Figure 4.2-3
SEQUENCING OF ACTIVITY – SEND IMAGES

A possible sequence of interactions between the Storage SCU AE and an Image Server (e.g. a storage or archive device supporting the Storage SOP Classes as an SCP) is illustrated in the Figure above:

1. The Storage SCU AE opens an association with the Image Server.
2. Acquired images are transmitted to the Image Server using a storage request (C-STORE) and the Image Server replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Image Server.

4.2.3.3.1.2 Proposed Presentation Contexts

The Storage SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-21
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Key Object Selection Document Storage	1.2.840.10008.5.1.4.1.1.88.59	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Toshiba US Private Data Storage	1.2.392.200036.9116.7.8.1.1.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.3.3.1.3 SOP Specific Conformance for Storage SOP Classes

The Storage SCU AE provides standard conformance to the Storage Service Class as an SCU.

The behavior of Storage SCU AE when encountering status codes in a C-STORE response is summarized in the table below:

Table 4.2-22
STORAGE C-STORE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has successfully stored the SOP Instance. If all SOP Instances in a send job have status success then the job is marked as complete.
Refused	Out of Resources	A7xx	The association is aborted and the send job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.
Error	Data Set does not match SOP Class	A9xx	
Error	Cannot Understand	Cxxx	
Warning	Coercion of Data Elements	B000	
Warning	Data Set does not match SOP Class	B007	
Warning	Elements Discarded	B006	
*	*	Any other status code	

The behavior of Storage SCU AE during communication failure is summarized in the table below:

Table 4.2-23
STORAGE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

If the image transfer fails, the Storage SCU AE will retry this send-job automatically. The number of retries is configurable.

The contents of Image Storage SOP Instances created by the Storage SCU AE conform to the DICOM Image IOD definitions and are described in section 8.1.

4.2.4 Storage Commitment SCU AE Specification

4.2.4.1 SOP Classes

The Storage Commitment SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-24
SOP CLASSES FOR THE STORAGE COMMITMENT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Storage Commitment Push Model	1.2.840.10008.1.20.1	Yes	No

4.2.4.2 Association Policies

4.2.4.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-25
DICOM APPLICATION CONTEXT FOR THE STORAGE COMMITMENT SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.4.2.2 Number of Associations

The Storage Commitment SCU AE can initiate up to three associations at a time.

Table 4.2-26
NUMBER OF ASSOCIATIONS INITIATED FOR THE STORAGE COMMITMENT SCU AE

Maximum number of simultaneous associations	3

The Storage Commitment SCU AE accepts associations to receive N-EVENT-REPORT notifications for the Storage Commitment Push Model SOP Class.

Table 4.2-27
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE STORAGE COMMITMENT SCU AE

Maximum number of simultaneous associations	3

4.2.4.2.3 Asynchronous Nature

The Storage Commitment SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-28
ASYNCHRONOUS NATURE FOR THE STORAGE COMMITMENT SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.4.2.4 Implementation Identifying Information

The implementation information for the Storage Commitment SCU AE is:

Table 4.2-29
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE COMMITMENT SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.4.3 Association Initiation Policy

4.2.4.3.1 Activity – Commit Sent Images

4.2.4.3.1.1 Description and Sequencing of Activities

If the remote AE is configured as a Storage Commitment SCP AE, the Storage Commitment SCU AE will, after all images have been sent, transmit a single storage commitment request (N-ACTION). Upon receiving the N-ACTION response the Storage Commitment SCU AE will release the association. The notification of storage commitment (N-EVENT-REPORT) will be received over a separate association.

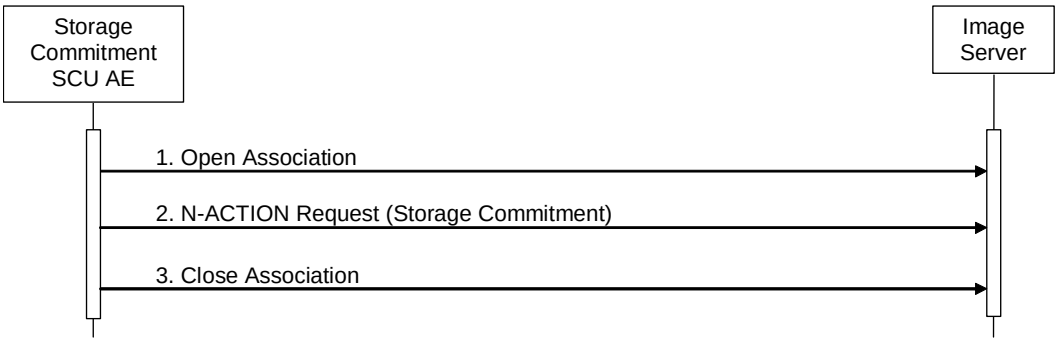


Figure 4.2-4
SEQUENCING OF ACTIVITY – COMMIT SENT IMAGES

A possible sequence of interactions between the Storage Commitment SCU AE and an Image Server (e.g. a storage or archive device supporting the Storage Commitment SOP Classes as an SCP) is illustrated in the Figure above:

1. The Storage Commitment SCU AE opens an association with the Image Server.
2. A storage commitment request (N-ACTION) is transmitted to the Image Server to obtain storage commitment of previously transmitted images. The Image Server replies with an N-ACTION response indicating the request has been received and is being processed.
3. The Storage Commitment SCU AE closes the association with the Image Server.

Note: The N-EVENT-REPORT will be sent over a separate association initiated by the Image Server. (see Section 4.2.4.4.1)

4.2.4.3.1.2 Proposed Presentation Contexts

The Storage Commitment SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-30
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY COMMIT SENT IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

A Presentation Context for the Storage Commitment Push Model will only be proposed if the remote AE is configured as a Storage Commitment SCP AE.

4.2.4.3.1.3 SOP Specific Conformance for Storage Commitment SOP Class

4.2.4.3.1.3.1 Storage Commitment Operations (N-ACTION)

The Storage Commitment SCU AE provides standard conformance to the Storage Commitment Service Class as an SCU.

The Storage Commitment SCU AE will request storage commitment for instances of the Storage SOP Classes if the remote AE is configured as a Storage Commitment SCP AE and a presentation context for the Storage Commitment Push Model has been accepted.

The behavior of Storage SCU Commitment AE when encountering status codes in a N-ACTION response is summarized in the table below:

Table 4.2-31
STORAGE COMMITMENT N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The request for storage commitment is considered successfully sent. A timer is started which will expire if no N-EVENT-REPORT for the Transaction UID is received within a configurable timeout period.
*	*	Any other status code	The association is aborted and the request for storage commitment is marked as failed.

The behavior of Storage Commitment AE during communication failure is summarized in the table below:

Table 4.2-32
STORAGE COMMITMENT COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The send job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

4.2.4.4 Association Acceptance Policy

4.2.4.4.1 Activity – Receive Storage Commitment Response

4.2.4.4.1.1 Description and Sequencing of Activities

The Storage Commitment SCU AE will accept associations in order to receive responses to a storage commitment request.

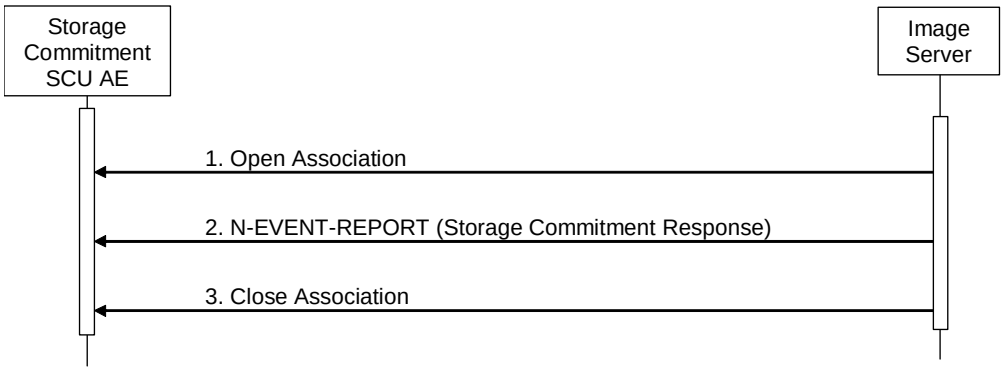


Figure 4.2-5
SEQUENCING OF ACTIVITY - RECEIVE STORAGE COMMITMENT RESPONSE

A possible sequence of interactions between the Storage Commitment SCU AE and an Image Server (e.g. a storage or archive device supporting Storage Commitment SOP Classes as an SCP) is illustrated in the Figure above:

1. The Image Server opens an association with the Storage Commitment SCU AE.
2. The Image Server sends an N-EVENT-REPORT request notifying the Storage SCU AE of the status of a previous storage commitment request. The Storage SCU AE replies with an N-EVENT-REPORT response confirming receipt.
3. The Image Server closes the association with the Storage Commitment SCU AE.

The Storage Commitment SCU AE may reject association attempts as shown in the Table 4.2-14.

4.2.4.4.1.2 Accepted Presentation Contexts

The Storage Commitment SCU AE will accept Presentation Contexts shown in the table below.

Table 4.2-33
ACCEPTABLE PRESENTATION CONTEXTS FOR
ACTIVITY RECEIVE STORAGE COMMITMENT RESPONSE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.4.4.1.3 SOP Specific Conformance for Storage Commitment SOP Class

4.2.4.4.1.3.1 Storage Commitment Notifications (N-EVENT-REPORT)

The Storage Commitment SCU AE provides standard conformance to the Storage Commitment Service Class as an SCU.

The behavior of Storage Commitment SCU AE when receiving Event Types within the N-EVENT-REPORT is summarized in the table below.

Table 4.2-34
STORAGE COMMITMENT N-EVENT-REPORT BEHAVIOUR

Event Type Name	Event Type ID	Behavior
Storage Commitment Request Successful	1	The Storage Commitment SCU AE permits the operator(s) to delete the Referenced SOP Instances under Referenced SOP Sequence (0018,1199), or deletes the Instances from the local database automatically.
Storage Commitment Request Complete – Failures Exist	2	The Storage Commitment SCU AE requests the Storage SCU AE to send the Referenced SOP Instances under Failed SOP Sequence (0018,1198).

The reasons for returning specific status codes in a N-EVENT-REPORT response are summarized in the table below.

Table 4.2-35
STORAGE COMMITMENT N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Status Code	Reasons
Success	Success	0000	The storage commitment result has been successfully received.
Failure	Processing Failure	0110H	An internal error occurred during processing of the N-EVENT-REPORT. A short description of the error will be returned in Error Comment (0000,0902).

4.2.5 MWM SCU AE Specification

4.2.5.1 SOP Classes

The MWM SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-36
SOP CLASSES FOR THE MWM SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Modality Worklist Information Model – FIND	1.2.840.10008.5.1.4.31	Yes	No

4.2.5.2 Association Policies

4.2.5.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-37
DICOM APPLICATION CONTEXT FOR THE MWM SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.5.2.2 Number of Associations

The MWM SCU AE initiates one association at a time for a worklist request.

Table 4.2-38
NUMBER OF ASSOCIATIONS INITIATED FOR THE MWM SCU AE

Maximum number of simultaneous associations	1

4.2.5.2.3 Asynchronous Nature

The MWM SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-39
ASYNCHRONOUS NATURE FOR THE MWM SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.5.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-40
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE MWM SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.5.3 Association Initiation Policy

4.2.5.3.1 Activity – Update Worklist

4.2.5.3.1.1 Description and Sequencing of Activities

The request for an “Update Worklist” is initiated by user interaction, i.e. pressing the buttons “Refresh” or automatically at the time of patient registration.

Upon initiation of the request, the MWM SCU AE will build an Identifier for the C-FIND request, will initiate an association to send the request and will wait for worklist responses. After retrieval of all responses, the MWM SCU AE will access the local database to add or update patient demographic data. The results will be displayed in a separate list.

The MWM SCU AE will initiate an association in order to issue a C-FIND request according to the Modality Worklist Information Model.

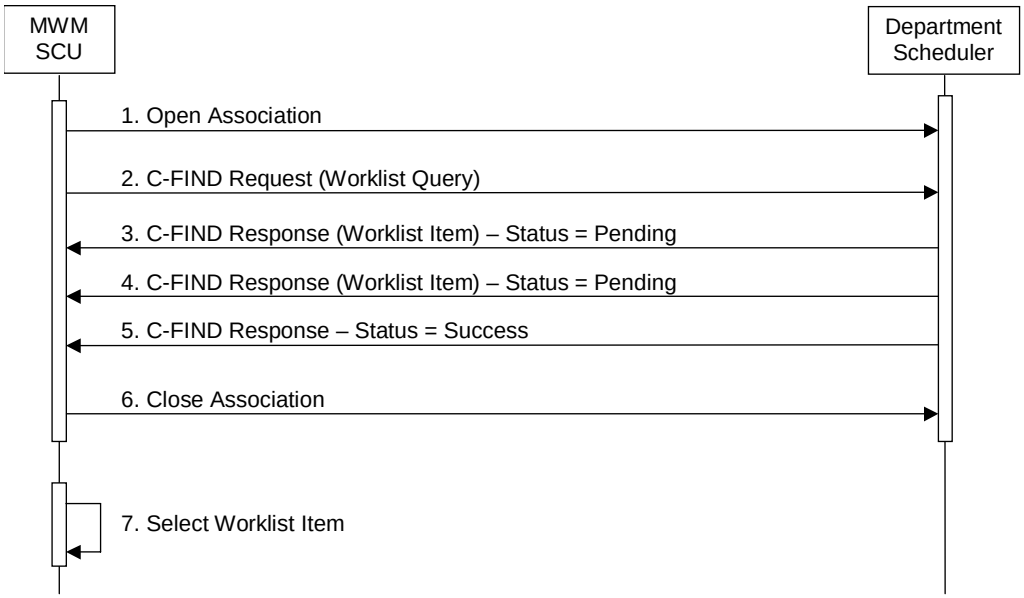


Figure 4.2-6
SEQUENCING OF ACTIVITY – UPDATE WORKLIST

A possible sequence of interactions between the MWM SCU AE and a Department Scheduler (e.g. a device such as a RIS or HIS which supports the Modality Worklist SOP Class as an SCP) is illustrated in the Figure above:

1. The MWM SCU AE opens an association with the Department Scheduler
2. The MWM SCU AE sends a C-FIND request to the Department Scheduler containing the Worklist Query attributes.
3. The Department Scheduler returns a C-FIND response containing the requested attributes of the first matching worklist item.
4. The Department Scheduler returns another C-FIND response containing the requested attributes of the second matching worklist item.
5. The Department Scheduler returns another C-FIND response with status Success indicating that no further matching worklist items exist. This example assumes that only 2 worklist items match the Worklist Query.
6. The MWM SCU AE closes the association with the Department Scheduler.
7. The user selects a worklist item from the Worklist and prepares to acquire new images.

4.2.5.3.1.2 Proposed Presentation Contexts

The MWM SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-41
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY UPDATE WORKLIST

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Worklist Information Model – FIND	1.2.840.10008.5.1.4.31	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.5.3.1.3 SOP Specific Conformance for Modality Worklist SOP Class

The MWM SCU AE provides standard conformance to the Modality Worklist SOP Class as an SCU.

The behavior of the MWM SCU when encountering status codes in a Modality Worklist C-FIND response is summarized in the table below.

Table 4.2-42
MODALITY WORKLIST C-FIND RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Matching is complete	0000	The SCP has completed the matches. Worklist items are available for display or further processing.
Refused	Out of Resources	A700	The association is aborted using A-ABORT and the status meaning is logged.
Failed	Identifier does not match SOP Class	A900	
Failed	Unable to Process	Cxxx	
Cancel	Matching terminated due to Cancel request	FE00	If the query was cancelled due to too many worklist items then the SCP has completed the matches. Worklist items are available for display or further processing. The status meaning is logged.
Pending	Matches are continuing	FF00	The association is aborted using A-ABORT and the worklist item contained in the Identifier is collected for later display or further processing.
Pending	Matches are continuing – Warning that one or more Optional Keys were not supported	FF01	
*	*	Any other status code	The association is aborted using A-ABORT and the status meaning is logged.

The behavior of the MWM SCU AE during communication failure is summarized in the table below.

Table 4.2-43
MODALITY WORKLIST COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted using A-ABORT and the reason is logged.
Unsupported character sets	
Association aborted by the SCP or network layers	The reason is logged.

Acquired images will always use the Study Instance UID specified for the Scheduled Procedure Step (if available). If an acquisition is unscheduled, a Study Instance UID will be generated locally.

The table below provides a description of the MWM SCU AE Worklist Request Identifier and specifies the attributes that are copied into the images. Unexpected attributes returned in a C-FIND response are ignored.

Table 4.2-44
WORKLIST REQUEST IDENTIFIER

Module Name Attribute Name	Tag	VR	M	R	D	IOD
SOP Common Module						
Specific Character Set	(0008,0005)	CS		x		x
Scheduled Procedure Step Module						
Scheduled Procedure Step Sequence	(0040,0100)	SQ		x		
>Modality	(0008,0060)	CS	S	x	x	x
>Requested Contrast Agent	(0032,1070)	LO		x		x
>Scheduled Station AE Title	(0040,0001)	AE	S	x	x	x
>Scheduled Procedure Step Start Date	(0040,0002)	DA	R	x	x	x
>Scheduled Procedure Step Start Time	(0040,0003)	TM	R	x	x	x
>Scheduled Procedure Step End Date	(0040,0004)	DA		x		x
>Scheduled Procedure Step End Time	(0040,0005)	TM		x		x
>Scheduled Performing Physician's Name	(0040,0006)	PN		x	x	x
>Scheduled Procedure Step Description	(0040,0007)	SH		x	x[*1]	
>Scheduled Protocol Code Sequence	(0040,0008)	SQ		x		
>Scheduled Procedure Step ID	(0040,0009)	SH		x		
>Scheduled Station Name	(0040,0010)	LO		x		
>Scheduled Procedure Step Location	(0040,0011)	SH		x		x
>Pre-Medication	(0040,0012)	CS		x		
>Scheduled Procedure Step Status	(0040,0020)	LO				
>Comments on Scheduled Procedure Step	(0040,0400)	LT		x		
Requested Procedure Module						
Referenced Study Sequence	(0008,1110)	SQ		x		x
Study Instance UID	(0020,000D)	UI		x		x
Requested Procedure Description	(0032,1060)	LO		x	x[*1]	x
Requested Procedure Code Sequence	(0032,1064)	SQ		x		
Requested Procedure ID	(0040,1001)	SH	S	x	x	x
Reason for the Requested Procedure	(0040,1002)	LO		x		
Requested Procedure Priority	(0040,1003)	SH		x		
Patient Transport Arrangements	(0040,1004)	LO		x		
Requested Procedure Location	(0040,1005)	LO		x		
Placer Order Number / Procedure	(0040,1006)	SH		x		
Filler Order Number / Procedure	(0040,1007)	SH		x		
Confidentiality Code	(0040,1008)	LO		x		
Reporting Priority	(0040,1009)	SH		x		
Names of Intended Recipients of Results	(0040,1010)	PN		x		
Requested Procedure Comments	(0040,1400)	LT		x		
Imaging Service Request Module						
Accession Number	(0008,0050)	SH	S	x	x	x
Referring Physician's Name	(0008,0090)	PN		x	x	x
Requesting Physician	(0032,1032)	PN		x		x
Requesting Service	(0032,1033)	LO		x		x
Reason for the Imaging Service Request	(0040,2001)	LO		x		
Issue Date of Imaging Service Request	(0040,2004)	DA		x		
Issue Time of Imaging Service Request	(0040,2005)	TM		x		
Placer Order Number / Imaging Service Request	(0040,2006)	SH		x		
Filler Order Number / Imaging Service Request	(0040,2007)	SH		x		
Order Entered By	(0040,2008)	PN		x		
Order Enters Location	(0040,2009)	SH		x		
Order Callback Phone Number	(0040,2010)	SH		x		
Imaging Service Request Comments	(0040,2400)	LT		x		
Visit Relationship Module						
Referenced Patient Sequence	(0008,1120)	SQ		x		x

Visit Identification Module						
Institution Name	(0008,0080)	LO				
Institution Address	(0008,0081)	ST				
Institution Code Sequence	(0008,0082)	SQ				
Admission ID	(0038,0010)	LO		x		
Issuer of Admission ID	(0038,0011)	LO				
Visit Status Module						
Visit Status ID	(0038,0008)	CS				
Current Patient Location	(0038,0300)	LO		x		
Patient's Institution Residence	(0038,0400)	LO		x	x[*2]	
Visit Comments	(0038,4000)	LT				
Visit Admission Module						
Referring Physician's Address	(0008,0092)	ST				
Referring Physician's Telephone Number	(0008,0094)	SH				
Admitting Diagnosis Description	(0008,1080)	LO				
Admitting Diagnosis Code Sequence	(0008,1084)	SQ				
Route of Admissions	(0038,0016)	LO				
Admitting Date	(0038,0020)	DA				
Admitting Time	(0038,0021)	TM				
Patient Relationship Module						
Referenced Visit Sequence	(0008,1125)	SQ				
Referenced Patient Alias Sequence	(0038,0004)	SQ				
Patient Identification Module						
Patient's Name	(0010,0010)	PN	W	x	x	x
Patient ID	(0010,0020)	LO	S	x	x	x
Issuer of Patient ID	(0010,0021)	LO				
Other Patient IDs	(0010,1000)	LO				x
Other Patient Names	(0010,1001)	PN				
Patient's Birth Name	(0010,1005)	PN				
Patient's Mother's Birth Name	(0010,1060)	PN				
Medical Record Locator	(0010,1090)	LO				
Patient Demographic Module						
Patient's Birth Date	(0010,0030)	DA		x	x	x
Patient's Birth Time	(0010,0032)	TM				
Patient's Sex	(0010,0040)	CS		x	x	x
Patient's Insurance Plan Code Sequence	(0010,0050)	SQ				
Patient's Age	(0010,1010)	AS			x	
Patient's Size	(0010,1020)	DS			x	x
Patient's Weight	(0010,1030)	DS		x	x	x
Patient's Address	(0010,1040)	LO				
Military Rank	(0010,1080)	LO				
Brach of Service	(0010,1081)	LO				
Country Residence	(0010,2150)	LO				
Region of Residence	(0010,2152)	LO				
Patient's Telephone Number	(0010,2154)	SH				
Ethnic Group	(0010,2160)	SH				x
Occupation	(0010,2180)	SH				
Patient's Religious Reference	(0010,21F0)	LO				
Patient Comments	(0010,4000)	LT			x	x
Patient Data Confidentiality Constraint Description	(0040,3001)	LO		x		x
Patient Medical Module						
Medical Alerts	(0010,2000)	LO		x		x
Contrast Allergies	(0010,2110)	LO		x		x
Smoking Status	(0010,21A0)	CS				
Additional Patient History	(0010,21B0)	LT				x
Pregnancy Status	(0010,21C0)	US		x		x
Last Menstrual Date	(0010,21D0)	DA				
Special Needs	(0038,0050)	LO		x		x
Patient State	(0038,0500)	LO		x		x

Other Attributes						
Study Description Study Comments	(0008,1030) (0032,4000)	LO LT			x[*1] x[*3]	x x

The above table should be read as follows:

Module Name: The name of the associated module for supported worklist attributes.

Attribute Name: Attributes supported to build the MWM SCU AE Worklist Request Identifier.

Tag: DICOM tag for this attribute.

VR: DICOM VR for this attribute.

M: Matching keys for (automatic) Worklist Update.
S: Single Value Matching
R: Range Matching
W: Wild Card Matching

R: Return keys. An "x" will indicate that the MWM SCU AE will supply this attribute as Return Key with zero length for Universal Matching.

D: Displayed keys. An “x” indicates that this worklist attribute is displayed to the user during a patient registration. For example, Patient Name will be displayed when registering the patient prior to an examination.

IOD: An "x" indicates that this worklist attribute is included into all Object Instances created during performance of the related Procedure Step.

Notes:

*1 In the default setting, Study Description (0008,1030) will be displayed at *Exam Type* when matching the following exam types: Abdomen, Carotid, Thyroid, Breast, OB, GYN, Endo-Vaginal, Fetal Heart, Adult Heart, Pediatric Heart, Coronary, TCD, Neo-Head, Neo-General, Neo-Hip, PV Venous, PV Arterial, Digits, MSK, Prostate, Kidney, Testes, OTHER, or M-TEE. They can be also configured to correspond to user-defined terms, and it is selectable where to set those terms: Study Description (0008,1030), Scheduled Procedure Step Description (0040,0007), or Requested Procedure Description (0032,1060).

*2 Patient’s Institution Residence (0038, 0400) will be displayed as *In Patient* or *Out Patient* when matching the following string: Inpatient or Outpatient.

*3 Study Comments (0032,4000) will be displayed at *Additional Info*.

4.2.5.4 Association Acceptance Policy

The MWM SCU AE does not accept associations.

4.2.6 MPPS SCU AE Specification

4.2.6.1 SOP Classes

The MPPS SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-45
SOP CLASSES FOR THE MPPS SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Yes	No

4.2.6.2 Association Policies

4.2.6.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-46
DICOM APPLICATION CONTEXT FOR THE MPPS SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.6.2.2 Number of Associations

The MPPS SCU AE initiates one association at a time.

Table 4.2-47
NUMBER OF ASSOCIATIONS INITIATED FOR THE MPPS SCU AE

Maximum number of simultaneous associations	1

4.2.6.2.3 Asynchronous Nature

The MPPS SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-48
ASYNCHRONOUS NATURE FOR THE MPPS SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.6.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-49
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE MPPS SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.6.3 Association Initiation Policy

4.2.6.3.1 Activity – Acquire Images

4.2.6.3.1.1 Description and Sequencing of Activities

The MPPS SCU AE performs the creation of an MPPS instance automatically when the user selects and starts a worklist item. Further updates on the MPPS data can be performed when the user completes the acuisition.

The MPPS SCU AE will initiate an association to issue an:

— N-CREATE request according to the CREATE Modality Performed Procedure Step SOP Instance operation, or an:

— N-SET request to update the contents and state of the MPPS according to the SET Modality Performed Procedure Step Information operation.

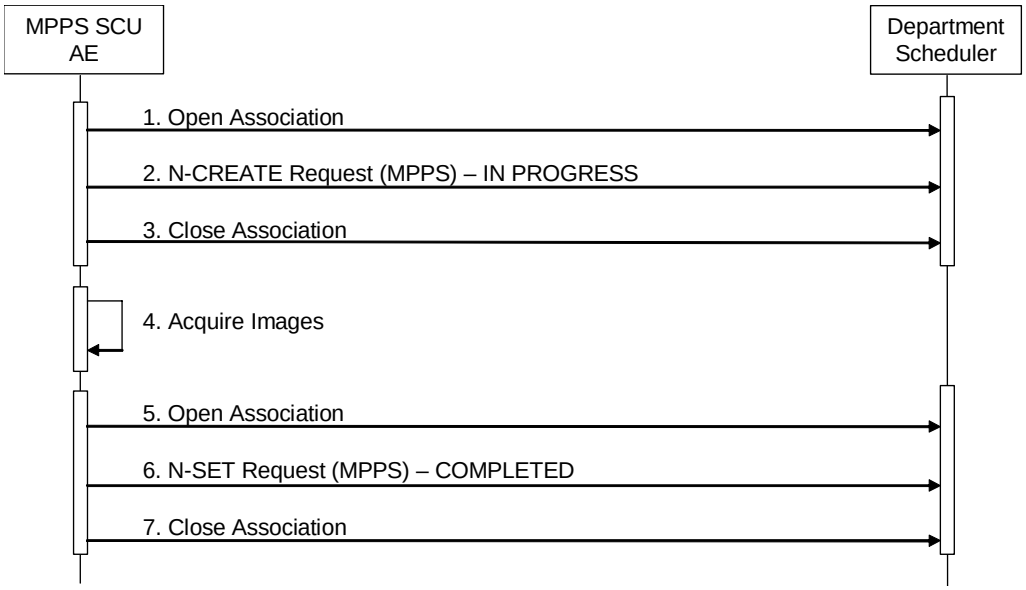


Figure 4.2-7
SEQUENCING OF ACTIVITY – ACQUIRE IMAGES

A possible sequence of interactions between the MPPS SCU AE and a Department Scheduler (e.g. a device such as a RIS or HIS which supports the MPPS SOP Class as an SCP) is illustrated in the Figure above:

1. The MPPS SCU AE opens an association with the Department Scheduler
2. The MPPS SCU AE sends an N-CREATE request to the Department Scheduler to create an MPPS instance with status of “IN PROGRESS” and create all necessary attributes. The Department Scheduler acknowledges the MPPS creation with an N-CREATE response (status success).
3. The MPPS SCU AE closes the association with the Department Scheduler.
4. All images are acquired and stored in the local database.
5. The MPPS SCU AE opens an association with the Department Scheduler.
6. The MPPS SCU AE sends an N-SET request to the Department Scheduler to update the MPPS instance with status of “COMPLETED” and set all necessary attributes. The Department Scheduler acknowledges the MPPS update with an N-SET response (status success).
7. The MPPS SCU AE closes the association with the Department Scheduler.

4.2.6.3.1.2 Proposed Presentation Contexts

The MPPS SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-50
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY ACQUIRE IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.6.3.1.3 SOP Specific Conformance for MPPS SOP Class

The MPPS SCU AE provides standard conformance to the Modality Performed Procedure Step SOP Class as an SCU.

The behavior of the MPPS SCU AE when encountering status codes in an MPPS N-CREATE or N–SET response is summarized in the table below.

Table 4.2-51
MPPS N-CREATE / N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Failure	Processing Failure – Performed Procedure Step Object may no longer be updated	0110H	The association is aborted and the MPPS is marked as failed. The status meaning is logged and reported to the user.
Warning	Attribute Value Out of Range	0116H	
*	*	Any other status code	

The behavior of the MPPS SCU AE during communication failure is summarized in the table below:

Table 4.2-52
MPPS COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and MPPS is marked as failed. The reason is logged and reported to the user.
Association aborted by the SCP or network layers	The MPPS is marked as failed. The reason is logged and reported to the user.

The table below provides a description of the MPPS N-CREATE and N-SET request identifiers sent by the MPPS SCU AE. Empty cells in the N-CREATE and N-SET columns indicate that the attribute is not sent. An "x" indicates that an appropriate value will be sent. A "Zero length" attribute will be sent with zero length.

Table 4.2-53
MPPS N-CREATE / N-SET REQUEST IDENTIFIER

Attribute Name	Tag	VR	N-CREATE	N-SET
Modality	(0008,0060)	CS	US	
Procedure Code Sequence	(0008,1032)	SQ	Zero length	Zero length
Referenced Patient Sequence	(0008,1120)	SQ	Zero length	
Patient's Name	(0010,0010)	PN	From Modality Worklist or user input.	
Patient ID	(0010,0020)	LO	From Modality Worklist or user input.	
Patient's Birth Date	(0010,0030)	DA	From Modality Worklist or user input.	
Patient's Sex	(0010,0040)	CS	From Modality Worklist or user input.	
Study ID	(0020,0010)	SH	Automatically created.	
Performed Station AE Title	(0040,0241)	AE	MPPS AE Title	
Performed Station Name	(0040,0242)	SH	Zero length	
Performed Location	(0040,0243)	SH	Zero length	
Performed Procedure Step Start Date	(0040,0244)	DA	Actual start date	
Performed Procedure Step Start Time	(0040,0245)	TM	Actual start time	
Performed Procedure Step End Date	(0040,0250)	DA	Zero length	Actual end date
Performed Procedure Step End Time	(0040,0251)	TM	Zero length	Actual end time
Performed Procedure Step Status	(0040,0252)	CS	IN PROGRESS	COMPLETED
Performed Procedure Step ID	(0040,0253)	SH	Automatically created.	
Performed Procedure Step Description	(0040,0254)	LO	Zero length	Zero length
Performed Procedure Type Description	(0040,0255)	LO	Zero length	Zero length
Performed Protocol Code Sequence	(0040,0260)	SQ	Zero length	Zero length
Scheduled Step Attributes Sequence	(0040,0270)	SQ	Always set	
>Accession Number	(0008,0050)	SH	From Modality Worklist or user input.	
>Referenced Study Sequence	(0008,1110)	SQ	Zero length	
>Study Instance UID	(0020,000D)	UI	From Modality Worklist	
>Requested Procedure Description	(0032,1060)	LO	From Modality Worklist or user input.	
>Scheduled Procedure Step Description	(0040,0007)	LO	From Modality Worklist or user input.	
>Scheduled Protocol Code Sequence	(0040,0008)	SQ	Zero length	
>Scheduled Procedure Step ID	(0040,0009)	SH	From Modality Worklist	
>Requested Procedure ID	(0040,1001)	SH	From Modality Worklist or user input.	
Performed Series Sequence	(0040,0340)	SQ	One or more items	One or more items
>Retrieve AE Title	(0008,0054)	AE	Zero length	Zero length
>Series Description	(0008,103E)	LO	Zero length	Zero length
>Performing Physician's Name	(0008,1050)	PN	x	x
>Operator's Name	(0008,1070)	PN	Zero length	Zero length
>Referenced Image Sequence	(0008,1140)	SQ	Zero length	One or more items
>>Referenced SOP Class UID	(0008,1150)	UI		x
>>Referenced SOP Instance UID	(0008,1155)	UI		x
>Protocol Name	(0018,1030)	LO	x	x
>Series Instance UID	(0020,000E)	UI	x	x
>Referenced Non-Image Composite SOP Instance Sequence	(0040,0220)	SQ	Zero length	Zero length

4.2.6.4 Association Acceptance Policy

The MPPS SCU AE does not accept associations.

4.2.7 Q/R SCU AE Specification

4.2.7.1 SOP Classes

The Q/R SCU AE provides Standard Conformance to the following SOP Classes:

Table 4.2-54
SOP CLASSES FOR THE Q/R SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Study Root Q/R Information Model – Find	1.2.840.10008.5.1.4.1.2.2.1	Yes	No
Study Root Q/R Information Model – Move	1.2.840.10008.5.1.4.1.2.2.2		

4.2.7.2 Association Policies

4.2.7.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-55
DICOM APPLICATION CONTEXT FOR THE Q/R SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.7.2.2 Number of Associations

The Q/R SCU AE can initiate up to three associations at a time.

Table 4.2-56
NUMBER OF ASSOCIATIONS INITIATED FOR THE Q/R SCU AE

Maximum number of simultaneous associations	3

4.2.7.2.3 Asynchronous Nature

The Q/R SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-57
ASYNCHRONOUS NATURE FOR THE Q/R SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.7.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.2-58
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE Q/R SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.7.3 Association Initiation Policy

4.2.7.3.1 Activity – Query and Retrieve Images

4.2.7.3.1.1 Description and Sequencing of Activities

The Q/R SCU AE is activated when the user selects a remote node to query and enters some key information, Patient's Name, Patient ID and/or Study Date. The user can select studies, series and images to be retrieved. The images will be received at the Storage SCP AE.

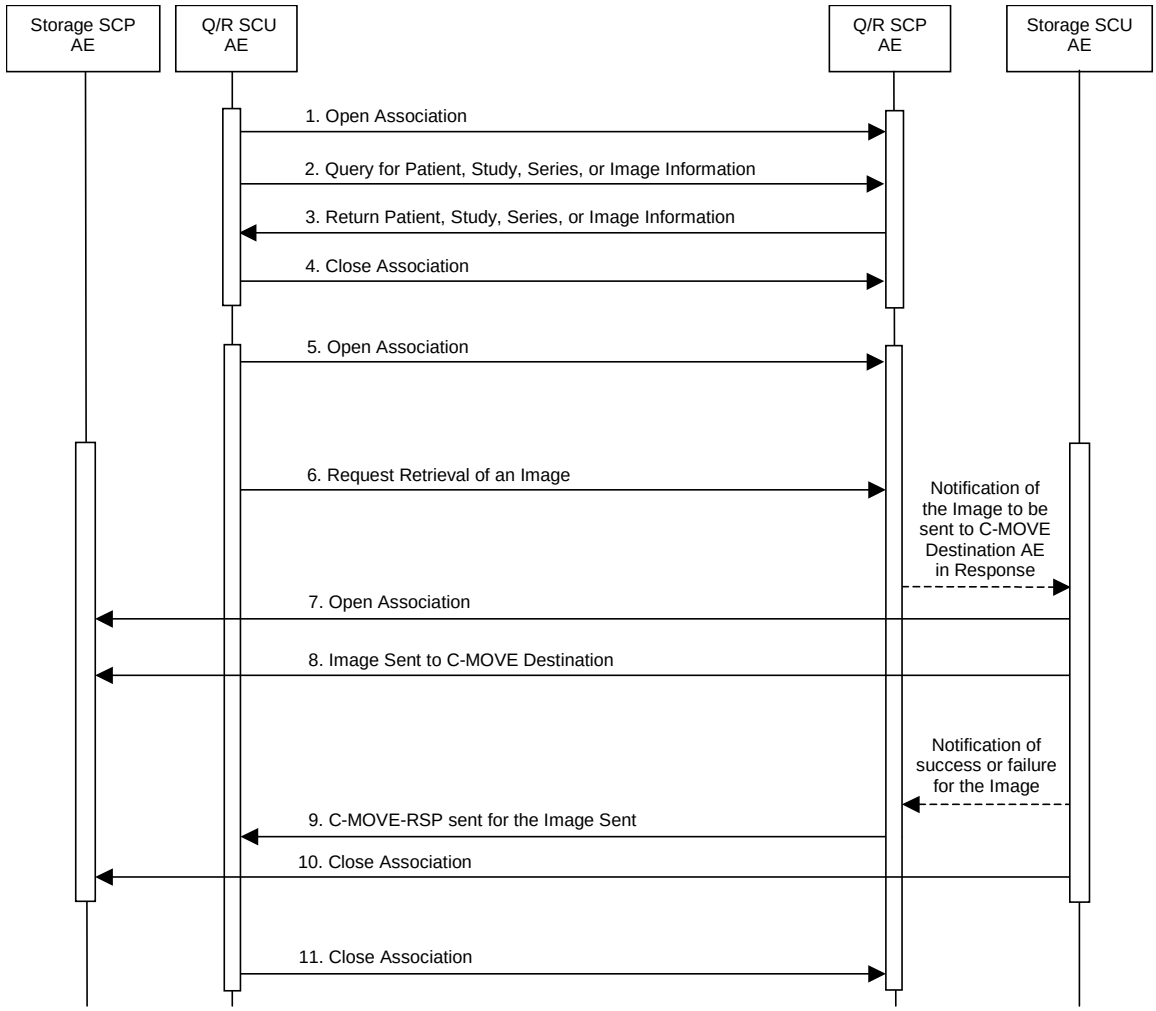


Figure 4.2-8
SEQUENCING OF ACTIVITY – QUERY AND RETRIEVE IMAGES

The following sequencing constraints illustrated in the Figure above:

1. The Q/R SCU AE opens an association with the Q/R SCP AE.
2. The Q/R SCU AE sends a C-FIND-RQ Message
3. The Q/R SCP AE returns a C-FIND-RSP Message to the Q/R SCU AE with matching information. A C-FIND-RSP is sent for each entity matching the identifier specified in the C-FIND-RQ. A final C-FIND-RSP is sent indicating that the matching is complete.
4. The Q/R SCU AE closes the association.
5. The Q/R SCU AE opens an association with the Q/R SCP AE.
6. The Q/R SCU AE sends a C-MOVE-RQ Message. The Q/R SCP AE notifies the Storage SCU AE to send the Composite SOP Instances to the peer C-MOVE Destination AE as indicated in the C-MOVE-RQ.
7. The Storage SCU AE opens an association with the C-MOVE Destination AE.
8. The Storage SCU AE sends images to the C-MOVE Destination AE. The Storage SCU AE indicates to the Q/R SCP AE whether the transfer succeeded or failed.
9. The Q/R SCP AE then returns a C-MOVE-RSP indicating this success or failure.
10. The Storage SCU AE closes the association.
11. The Q/R SCU AE closes the association.

4.2.7.3.1.2 Proposed Presentation Contexts

The Q/R SCU AE will propose Presentation Contexts shown in the following table:

Table 4.2-59
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY QUERY AND RETRIEVE IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Study Root Q/R Information Model – Find	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Study Root Q/R Information Model – Move	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.7.3.1.3 SOP Specific Conformance for Q/R Find SOP Classes

The Q/R SCU AE provides standard conformance to the Query/Retrieve Find SOP Classes as an SCU.

The behavior of the Q/R SCU AE when encountering status codes in a Q/R C-FIND response is summarized in the table below:

Table 4.2-60
THE Q/R SCU AE C-FIND RESPONSE STATUS BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Matching is complete	0000	The SCP has completed the matches. Worklist items are available for display or further processing.
Refused	Out of Resources	A700	The association is aborted and the worklist query is marked as failed. The status meaning is logged and reported to the user.
Failed	Identifier does not match SOP Class	A900	
Failed	Unable to Process	Cxxx	The association is aborted using A-ABORT and the worklist query is marked as failed. The status meaning is logged and reported to the user.
Cancel	Matching terminated due to Cancel request	FE00	
Pending	Matches are continuing	FF00	
Pending	Matches are continuing – Warning that one or more Optional Keys were not supported	FF01	
*	*	Any other status code	

The behavior of the Q/R SCU AE during communication failure is summarized in the table below.

Table 4.2-61
Q/R FIND COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the study, series or image query is marked as failed. The reason is logged and reported to the user.
Association aborted by the SCP or network layers	The study, series or image query is marked as failed. The reason is logged and reported to the user.

All queries are initiated at the highest level of the information model (the STUDY level), and then for each response received, recursively repeated at the next lower levels (the SERIES and then IMAGE levels), in order to completely elucidate the “tree” of instances available on the remote AE.

The table below provides a description of the Q/R SCU AE C-FIND Request Identifier.

Table 4.2-62
STUDY ROOT REQUEST IDENTIFIER FOR C-FIND

Name	Tag	Types of Matching
Study Level		
Study Date	(0008,0020)	U
Study Time	(0008,0030)	U
Accession Number	(0008,0050)	U
Study Description	(0008,1030)	U
Patient’s Name	(0010,0010)	*
Patient’s ID	(0010,0020)	*
Patient's Sex	(0010,0040)	U
Study Instance UID	(0020,000D)	UNIQUE
Study ID	(0020,0010)	U
Series Level		
Series Date	(0008,0021)	U
Series Time	(0008,0031)	U
Modality	(0008,0060)	U
Series Description	(0008,103E)	U
Series Instance UID	(0020,000E)	UNIQUE
Series Number	(0020,0011)	U

Types of Matching:

The types of Matching supported by the Q/R SCU AE. An "S" indicates the identifier attribute uses Single Value Matching, an “*” indicates wildcard matching, and a ‘U’ indicates Universal Matching. “UNIQUE” indicates that this is the Unique Key for that query level, in which case Universal Matching or Single Value Matching is used depending on the query level.

4.2.7.3.1.4 SOP Specific Conformance for Q/R Move SOP Classes

The Q/R SCU AE provides standard conformance to the Query/Retrieve Move SOP Classes as an SCU.

The behavior of the Q/R SCU AE when encountering status codes in a Q/R C-MOVE response is summarized in the table below:

Table 4.2-63
THE Q/R SCU AE C-MOVE RESPONSE STATUS BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Sub-operations complete – No Failures	0000	The Storage SCP AE has successfully received the SOP Instance. If all SOP Instances in a move job have status success then the job is marked as complete.
Refused	Out of Resources – Unable to calculate number of matches	A701	The association is aborted using A-ABORT and the move job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.
	Out of Resources – Unable to perform sub-operations	A702	
	Move destination unknown	A801	
Failed	Identifier does not match SOP Class	A900	
Warning	Sub-operations complete but one or more failures.	B000	The association is aborted and the move job is marked as failed. The status meaning is logged and the job failure is reported to the user via the job control application.

The behavior of the Q/R SCU AE during communication failure is summarized in the table below.

Table 4.2-64
Q/R MOVE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted using A-ABORT and the retrieve is marked as failed. The reason is logged and reported to the user if an interactive query.
Association aborted by the SCP or network layers	The retrieve is marked as failed. The reason is logged and reported to the user if an interactive query.

The system requests Image Level Move only.

4.2.7.4 Association Acceptance Policy

The Q/R SCU AE does not accept associations.

4.2.8 Storage SCP AE Specification

4.2.8.1 SOP Classes

The Storage SCP AE provides Standard Conformance to the following SOP Classes:

Table 4.2-65
SOP CLASSES FOR THE STORAGE SCP AE

SOP Class Name	SOP Class UID	SCU	SCP
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	No	Yes
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Toshiba US Private Data Storage	1.2.392.200036.9116.7.8.1.1.1		

4.2.8.2 Association Policies

4.2.8.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-66
DICOM APPLICATION CONTEXT FOR THE STORAGE SCP AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.8.2.2 Number of Associations

The Storage SCP AE can support up to seven associations at a time.

Table 4.2-67
NUMBER OF ASSOCIATIONS ACCEPTED FOR THE STORAGE SCP AE

Maximum number of simultaneous associations	7

4.2.8.2.3 Asynchronous Nature

The Storage SCP AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-68
ASYNCHRONOUS NATURE FOR THE STORAGE SCP AE

Maximum number of outstanding asynchronous transactions	1

4.2.8.2.4 Implementation Identifying Information

The implementation information for the Storage SCP AE is:

Table 4.2-69
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE STORAGE SCP AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.8.3 Association Initiation Policy

The Storage SCP AE does not initiate associations.

4.2.8.4 Association Acceptance Policy

The Storage SCP AE accepts associations only if they have valid Presentation Contexts. If none of the requested Presentation Contexts are accepted then the association request itself is rejected. It can be configured to only accept associations with certain hosts (using TCP/IP address) and/or AE Titles.

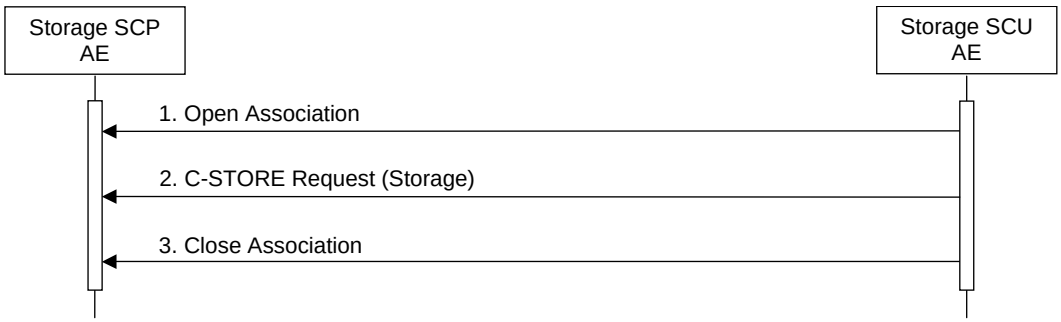


Figure 4.2-9
SEQUENCING OF ACTIVITY – STORE IMAGES TO THE LOCAL FILE SYSTEM

A possible sequence of interactions between the Storage SCP AE and a Storage SCU AE is illustrated in the Figure above:

1. The Storage SCU AE opens an association with the Storage SCP AE.
2. The Storage SCU AE sends images to the Storage SCP AE using a storage request (C-STORE) and the Storage SCP AE replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Storage SCP AE.

The Storage SCP AE may reject association attempts as shown in the Table 4.2-14.

4.2.8.4.1.1 Accepted Presentation Contexts

The default behavior of the Storage SCP AE supports the Implicit VR Little Endian and Explicit VR Little Endian transfer syntaxes. If the both transfer syntaxes are proposed per presentation context then the Storage SCP AE will select Explicit VR Little Endian Transfer Syntax.

Any of the presentation contexts shown in the following table are acceptable to the Storage SCP AE.

Table 4.2-70
ACCEPTED PRESENTATION CONTEXTS BY THE STORAGE SCP AE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50		
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11	Implicit VR Little Endian	1.2.840.10008.1.2		
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Toshiba US Private Data Storage	1.2.392.200036.9116.7.8.1.1.1	Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.8.4.1.2 SOP Specific Conformance for Storage SOP Classes

The associated Activity with the Storage service is the storage of medical image data received over the network on a designated hard disk. The Storage SCP AE will return a failure status if it is unable to store the images on to the hard disk.

The Storage SCP AE is Level 0 conformant as a Storage SCP.

Table 4.2-71
THE STORAGE SCP AE C-STORE RESPONSE STATUS RETURN REASONS

Service Status	Further Meaning	Status Code	Reason
Success	Success	0000	The Composite SOP Instance was successfully received, verified, and stored in the system database.
Refused	Out of Resources	A700	Indicates that there was not enough local resources.
Error	Cannot Understand	C000	Indicates that the Storage SCP AE cannot parse the Data Set into Elements. (e.g. when receiving unsupported character sets)

4.2.9 Print SCU AE Specification

4.2.9.1 SOP Classes

The Print SCU AE provides Standard Conformance to the following Meta SOP Classes:

Table 4.2-72
META SOP CLASSES FOR THE PRINT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Yes	No

The above Meta SOP Classes are defined by the following set of supported SOP Classes:

Table 4.2-73
SOP CLASSES FOR THE PRINT SCU AE

SOP Class Name	SOP Class UID	SCU	SCP
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1	Yes	No
Basic Film Box SOP Class	1.2.840.10008.5.1.1.2	Yes	No
Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4	Yes	No
Basic Color Image Box SOP Class	1.2.840.10008.5.1.1.4.1	Yes	No
Printer SOP Class	1.2.840.10008.5.1.1.16	Yes	No

4.2.9.2 Association Policies

4.2.9.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2-74
DICOM APPLICATION CONTEXT FOR THE PRINT SCU AE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.9.2.2 Number of Associations

The Print SCU AE can initiate up to five associations at a time.

Table 4.2-75
NUMBER OF ASSOCIATIONS INITIATED FOR THE PRINT SCU AE

Maximum number of simultaneous associations	5

4.2.9.2.3 Asynchronous Nature

The Print SCU AE does not support asynchronous communication (multiple outstanding transactions over a single association).

Table 4.2-76
ASYNCHRONOUS NATURE FOR THE PRINT SCU AE

Maximum number of outstanding asynchronous transactions	1

4.2.9.2.4 Implementation Identifying Information

The implementation information for the Print SCU AE is:

Table 4.2-77
DICOM IMPLEMENTATION CLASS AND VERSION FOR THE PRINT SCU AE

Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

4.2.9.3 Association Initiation Policy

4.2.9.3.1 Activity – Send Images & Print Management Information

4.2.9.3.1.1 Description and Sequencing of Activities

4.2.9.3.1.1.1 Send Images & Print Management Information

A user composes images onto film sheets and requests them to be sent to a specific hardcopy device. The user can select the desired film format and number of copies.

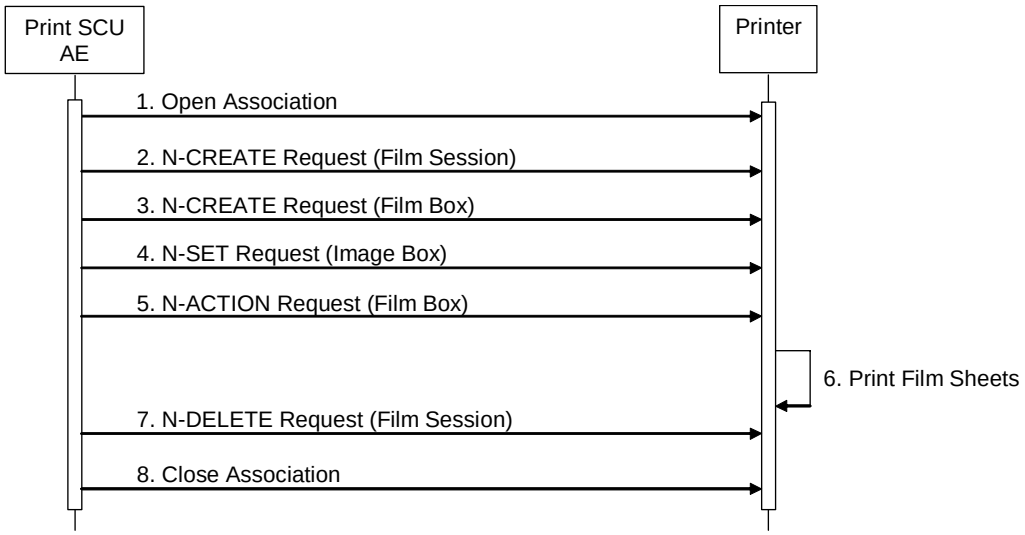


Figure 4.2-10
SEQUENCING OF ACTIVITY – SEND IMAGES & PRINT MANAGEMENT INFORMATION

A typical sequence of DIMSE messages sent over an association between the Print SCU AE and a Printer is illustrated in the Figure above:

1. The Print SCU AE opens an association with the Printer.
2. N-CREATE on the Film Session SOP Class creates a Film Session.
3. N-CREATE on the Film Box SOP Class creates a Film Box linked to the Film Session.
4. N-SET on the Image Box SOP Class transfers the contents of the film sheet to the printer.
5. N-ACTION on the Film Box SOP Class instructs the Printer to print the Film Box.
6. The Printer prints the requested number of film sheets.
7. N-DELETE on the Film Session SOP Class deletes the complete Film Session SOP Instance hierarchy.
8. The Print SCU AE closes the association with the Printer.

4.2.9.3.1.1.2 Polling

The Print SCU AE automatically obtains current printer status information at 5-minute intervals. The status is marked as “READY” or “NOT READY”.

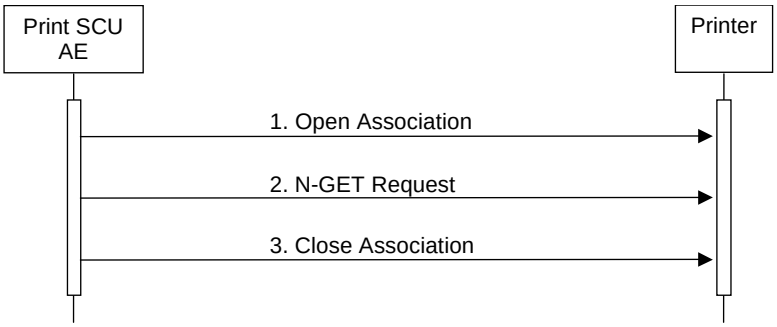


Figure 4.2-11
SEQUENCING OF ACTIVITY – POLLING

A typical sequence of DIMSE messages sent over an association between the Print SCU AE and a Printer is illustrated in the Figure above:

1. The Print SCU AE opens an association with the Printer.
2. N-GET on the Printer SOP Class is used to obtain current printer status information.
3. The Print SCU AE closes the association with the Printer.

4.2.9.3.1.2 Proposed Presentation Contexts

The Print SCU AE will propose the Presentation Contexts shown in the following table:

Table 4.2-78
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY
SEND IMAGES & PRINT MANAGEMENT INFORMATION

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Print Job SOP Class	1.2.840.10008.5.1.1.14	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	None
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

4.2.9.3.1.3 Common SOP Specific Conformance for all Print SOP Classes

The general behavior of the Print SCU AE during communication failure is summarized in the table below. This behavior is common for all SOP Classes supported by the Print SCU AE.

Table 4.2-79
PRINT COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The association is aborted and the print-job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.
Association aborted by the SCP or network layers	The print-job is marked as failed. The reason is logged and the job failure is reported to the user via the job control application.

4.2.9.3.1.4 SOP Specific Conformance for Printer SOP Class

The Print SCU AE supports the following DIMSE operations and notifications for the Printer SOP Class:

— N-GET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.4.1 Printer SOP Class Operations (N-GET)

The Print SCU AE uses the Printer SOP Class N-GET operation to obtain information about the current printer status. The attributes obtained via N-GET are listed in the table below:

Table 4.2-80
PRINTER SOP CLASS N-GET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Printer Status	(2110,0010)	CS	Provided by Printer	ALWAYS	Printer
Printer Status Info	(2110,0020)	CS	Provided by Printer	ALWAYS	Printer

The Printer Status information is evaluated as follows:

1. If Printer Status (2110,0010) is NORMAL, *READY* is displayed in the job control application.
2. If Printer Status (2110,0010) is FAILURE or WARNING, *NOT READY* is displayed and the contents of Printer Status Info (2110,0020) is logged.

The behavior of The Print SCU AE when encountering status codes in an N-GET response is summarized in the table below:

Table 4.2-81
PRINTER SOP CLASS N-GET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The request to get printer status information was success.
*	*	Any other status code	The association is aborted and the status meaning is logged and reported to the user.

4.2.9.3.1.5 SOP Specific Conformance for the Film Session SOP Class

The Print SCU AE supports the following DIMSE operations for the Film Session SOP Class:

— N-CREATE
— N-DELETE

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.5.1 Film Session SOP Class Operations (N-CREATE)

The attributes supplied in an N-CREATE Request are listed in the table below:

Table 4.2-82
FILM SESSION SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Copies	(2000,0010)	IS	1	ALWAYS	AUTO
Medium Type	(2000,0030)	CS	BLUE FILM, CLEAR FILM or PAPER	ALWAYS	USER
Film Destination	(2000,0040)	CS	MAGAZINE or PROCESSOR	ALWAYS	USER

The behavior of The Print SCU AE when encountering status codes in a N-CREATE response is summarized in the table below:

Table 4.2-83
FILM SESSION SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Attribute Value Out of Range	0116H	The N-CREATE operation is considered successful.
Warning	Attribute List Error	0107H	
*	*	Any other status code	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.5.2 Film Session SOP Class Operations (N-DELETE)

The behavior of The Print SCU AE when encountering status codes in a N-DELETE response is summarized in the table below:

Table 4.2-84
PRINTER SOP CLASS N-DELETE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
*	*	Any other status code	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.6 SOP Specific Conformance for the Film Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Film Box SOP Class:

— N-CREATE

— N-ACTION

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.6.1 Film Box SOP Class Operations (N-CREATE)

The attributes supplied in an N-CREATE Request are listed in the table below:

Table 4.2-85
FILM BOX SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Display Format	(2010,0010)	ST	STANDARD\1,1	ALWAYS	AUTO
Film Orientation	(2010,0040)	CS	PORTRAIT or LANDSCAPE	ALWAYS	AUTO
Film Size ID	(2010,0050)	CS	8INX10IN, 10INX12IN, 10INX14IN, 11INX14IN, 14INX14IN, or 14INX17IN	ALWAYS	USER
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	USER
Min Density	(2010,0120)	US	20	ALWAYS	AUTO
Max Density	(2010,0130)	US	200 .. 320	ALWAYS	USER
Referenced Film Session Sequence	(2010,0500)	SQ		ALWAYS	AUTO
>Referenced SOP Class UID	(0008,1150)	UI	1.2.840.10008.5.1.1.1	ALWAYS	AUTO
>Referenced SOP Instance UID	(0008,1155)	UI	From created Film Session SOP Instance	ALWAYS	AUTO

The behavior of the Print SCU AE when encountering status codes in a N-CREATE response is summarized in the table below:

Table 4.2-86
FILM BOX SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Requested Min Density or Max Density outside of printer's operating range	B605	The N-CREATE operation is considered successful.
*	*	Any other status code	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.6.2 Film Box SOP Class Operations (N-ACTION)

An N-ACTION Request is issued to instruct the Print SCP to print the contents of the Film Box. The Action Reply argument in an N-ACTION response is not evaluated.

The behavior of The Print SCU AE when encountering status codes in a N-ACTION response is summarized in the table below:

Table 4.2-87
FILM BOX SOP CLASS N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. The film has been accepted for printing.
Warning	Film Box SOP Instance hierarchy does not contain Image Box SOP Instances (empty page).	B603	The N-ACTION operation is considered successful.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604	
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60A	
Failure	Unable to create Print Job SOP Instance; print queue is full.	C602	
Failure	Image size is larger than Image Box size.	C603	
Failure	Combined Print Image Size is larger than Image Box size.	C613	
*	*	Any other status code	

4.2.9.3.1.7 SOP Specific Conformance for the Grayscale Image Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Grayscale Image Box SOP Class:
— N-SET
Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.7.1 Grayscale Image Box SOP Class Operations (N-SET)

The attributes supplied in an N-SET Request are listed in the table below:

Table 4.2-88
GRAYSCALE IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Position	(2020,0010)	US	1	ALWAYS	AUTO
Basic Grayscale Image Sequence	(2020,0110)	SQ		ALWAYS	AUTO
>Samples Per Pixel	(0028,0002)	US	1	ALWAYS	AUTO
>Photometric Interpretation	(0028,0004)	CS	MONOCHROME2	ALWAYS	AUTO
>Rows	(0028,0010)	US		ALWAYS	AUTO
>Columns	(0028,0011)	US		ALWAYS	AUTO
>Pixel Aspect Ratio	(0028,0034)	IS	1\1	ALWAYS	AUTO
>Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
>Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
>High Bit	(0028,0102)	US	7	ALWAYS	AUTO
>Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
>Pixel Data	(7FE0,0010)	OW		ALWAYS	AUTO

The behavior of the Print SCU AE when encountering status codes in a N-SET response is summarized in the table below:

Table 4.2-89
GRAYSCALE IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. Image successfully stored in Image Box.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604	The N-SET operation is considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605	
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60A	
Failure	Image size is larger than Image Box size.	C603	
Failure	Insufficient memory in printer to store the image.	C605	
Failure	Combined Print Image Size is larger than Image Box size.	C613	
*	*	Any other status code	

4.2.9.3.1.8 SOP Specific Conformance for the Color Image Box SOP Class

The Print SCU AE supports the following DIMSE operations for the Color Image Box SOP Class:
— N-SET
Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.9.3.1.8.1 Color Image Box SOP Class Operations (N-SET)

The attributes supplied in an N-SET Request are listed in the table below:

Table 4.2-90
COLOR IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Position	(2020,0010)	US	1	ALWAYS	AUTO
Basic Color Image Sequence	(2020,0111)	SQ		ALWAYS	AUTO
>Samples Per Pixel	(0028,0002)	US	3	ALWAYS	AUTO
>Photometric Interpretation	(0028,0004)	CS	RGB	ALWAYS	AUTO
>Planar Configuration	(0028,0006)	US	0	ALWAYS	AUTO
>Rows	(0028,0010)	US		ALWAYS	AUTO
>Columns	(0028,0011)	US		ALWAYS	AUTO
>Pixel Aspect Ratio	(0028,0034)	IS	1\1	ALWAYS	AUTO
>Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
>Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
>High Bit	(0028,0102)	US	7	ALWAYS	AUTO
>Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
>Pixel Data	(7FE0,0010)	OW		ALWAYS	AUTO

The behavior of the Print SCU AE when encountering status codes in a N-SET response is summarized in the table below:

Table 4.2-91
COLOR IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Status Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. Image successfully stored in Image Box.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604	The N-SET operation is considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605	
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609	The association is aborted and the print-job is marked as failed. The status meaning is logged and reported to the user.
Warning	Image size or Combined Print Image Size is larger than Image Box size. The image or combined Print Image has been decimated to fit.	B60A	
Failure	Image size is larger than Image Box size.	C603	
Failure	Insufficient memory in printer to store the image.	C605	
Failure	Combined Print Image Size is larger than Image Box size.	C613	
*	*	Any other status code	

4.2.9.4 Association Acceptance Policy

The Print SCU AE does not accept associations.

4.3 NETWORK INTERFACES

4.3.1 Physical Network Interface

This product supports a single network interface. One of the following physical network interfaces will be available depending on installed hardware options:

Table 4.3-1
SUPPORTED PHYSICAL NETWORK INTERFACES

Ethernet 100baseT
Ethernet 10baseT

4.3.2 Additional Protocols

None.

4.4 CONFIGURATION

4.4.1 AE Title/Presentation Address Mapping

4.4.1.1 Local AE Titles

All local applications use the AE Titles and TCP/IP Ports configured via the Service Tool. The Field Service Engineer can configure the TCP Port via the Service Tool.

Note: Up to 16 characters (alphanumeric characters, "-", ".", and "_") can be used in the AE Titles.

Table 4.4-1
AE TITLE CONFIGURATION TABLE

Application Entity	Default AE Title	Default TCP/IP Port
Storage SCP	aplio	2000
Storage Commitment SCU		
Storage SCU		Not Applicable
Q/R SCU		
MPPS SCU		
MWM SCU	aplio	
Print SCU	aplio	

4.4.1.2 Remote AE Title/Presentation Address Mapping

The AE Titles, host names and port numbers of remote applications are configured using the Service Tool.

Note: Up to 16 characters (alphanumeric characters, "-", ".", and "_") can be used in the AE Titles.

4.4.2 Parameters

A large number of parameters related to acquisition and general operation can be configured using the Service Tool. The table below only shows those configuration parameters relevant to DICOM communication. See the Product's Service Manual for details on general configuration capabilities.

Table 4.4-2
CONFIGURATION PARAMETERS TABLE

Parameter	Configurable (Yes/No)[Range]	Default Value
General Parameters		
Time-out waiting for an acceptance or rejection response to an association request (Application Level Timeout)	No	240 sec
Time-out waiting for a response to an association release request (Application Level Timeout)	No	240 sec
Time-out waiting for completion of a TCP/IP connect request (Low-level timeout)	No	240 sec
Time-out awaiting a response to a DIMSE request (Low-Level Timeout)	No	240 sec
Time-out for waiting for data between TCP/IP-packets (Low Level Timeout)	No	240 sec

Parameter	Configurable (Yes/No)[Range]	Default Value
Storage SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage SCU AE	No	3
Supported transfer syntaxes (separately configurable for each remote AE)	Yes	Implicit VR Little Endian Explicit VR Little Endian
Number of times a failed send job may be retried	Yes	3
Storage Commitment SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage Commitment SCU AE	No	3
Maximum number of simultaneously accepted associations by the Storage Commitment SCU AE	No	3
Storage Commitment SCU time-out waiting for a response to an N-ACTIION-RQ	Yes	600 sec
Delay association release after sending a storage commitment request (wait for a storage commitment notification over the same association)	No	0 sec
Modality Worklist SCU Parameters		
Maximum number of simultaneously initiated associations by the MWM SCU AE	No	1
Supported transfer syntaxes for MWM	No	Implicit VR Little Endian Explicit VR Little Endian
Modality Worklist SCU time-out waiting for the final response to a C-FIND-RQ	Yes	60 sec
Maximum number of worklist items	Yes [1-200]	200
Query worklist for specific Scheduled Station AE Title	Yes	aplio
Query worklist for specific Modality	Yes	US
MPPS SCU Parameters		
Maximum number of simultaneously initiated associations by the MPPS SCU AE	No	1
Supported transfer syntaxes for MPPS	No	Implicit VR Little Endian Explicit VR Little Endian
Storage SCP parameters		
Maximum number of simultaneously accepted associations by the Storage SCP AE	No	3
Print SCU Parameters		
Maximum number of simultaneously initiated associations by the Print SCU AE	No	5
Supported transfer syntaxes for Print	No	Implicit VR Little Endian Explicit VR Little Endian
Print SCU time-out waiting for a response to an N-CREATE-RQ	No	60 sec
Print SCU time-out waiting for a response to an N-DELETE-RQ	No	60 sec
Print SCU time-out waiting for a response to an N-SET-RQ	No	240 sec
Print SCU time-out waiting for a response to an N-ACTION-RQ	No	240 sec

5. MEDIA INTERCHANGE

5.1 IMPLEMENTATION MODEL

5.1.1 Application Data Flow

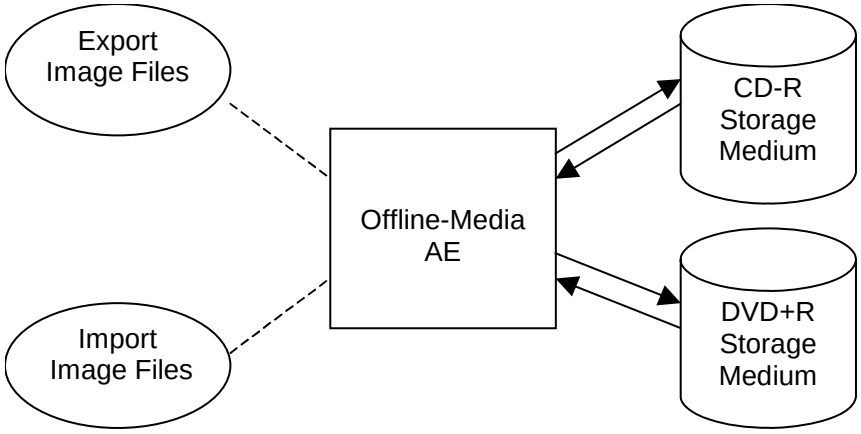


Figure 5.1-1
APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

— The Offline-Media AE exports image files to a CD-R or a DVD+R Storage medium. It is associated with the local real-world activity “Export Image Files” performed upon user request.
— The Offline-Media AE imports image files from a CD-R or a DVD+R Storage medium. It is associated with the local real-world activity “Import Image Files” performed upon user request.

5.1.2 Functional Definition of AEs

5.1.2.1 Functional Definition of Offline-Media AE

The Offline-Media AE is performed upon user request for selected studies/images to/from an offline DICOM CD-R or DVD+R medium. It therefore performs the following tasks:

Export:
- — Builds DICOM Information Objects.
- — Creates a DICOMDIR file that represents the contents of the DICOM Information Objects to be recorded.
- — Records DICOM Information Objects and the DICOMDIR file to the CD-R or the DVD+R medium.

Import:
- — Reads the DICOMDIR file that represents the contents of the data as recorded.
- — Displays the ordered list of studies/images, identifying information.
- — Loads the selected studies/images from the CD-R or the DVD+R medium and displays them on the screen.

Note: The Offline-Media AE can export/import files created by the product itself.

5.1.3 Sequencing of Real-World Activities

5.1.3.1 Activity – Export Image Files

Operator requests to create new File-set(s) onto a new CD-R or DVD+R. The requests are placed in a queue and are executed in the background.

The operations for “Export Image Files” are described below:

Step-1: Select the studies on the local storage device to be created to the CD-R or the DVD+R medium.
Step-2: Select the image archiving.
Step-3: Select the virtual device as a destination.
Step-4: Request to copy to the CD-R or the DVD+R.

5.1.3.2 Activity – Import Image Files

Operator requests to retrieve File-set(s) on the CD-R or the DVD+R. The requests are placed in a queue and are executed in the background.

The operations for “Import Image Files” are described below:

Step-1: Select the studies on the medium to be retrieved to the local storage device.
Step-2: Select the data retrieval.
Step-3: Request to copy to the local storage device.

5.1.4 File Meta Information for Implementation Class and Version

The implementation information written to the File Meta Header in each file is:

Table 5.1-1
DICOM IMPLEMENTATION CLASS AND VERSION FOR MEDIA STORAGE

File Meta Information Version	1
Implementation Class UID	1.2.392.200036.9116.7.8.10.46.6.1.1.1
Implementation Version Name	TM_APLIO_1.0

5.2 AE SPECIFICATIONS

5.2.1 Offline-Media AE Specification

The Offline-Media AE provides standard conformance to the DICOM Interchange Option of the Media Storage Service Class. The Application Profiles and roles are listed below:

Table 5.2-1
APPLICATION PROFILES, ACTIVITIES AND ROLES FOR OFFLINE-MEDIA

Application Profiles Supported	Real World Activity	Role	SC Option
AUG-US-ID-MF-CD, AUG-US-ID-MF-DVD	Export Image Files	FSC	Interchange
	Import Image Files	FSR	Interchange

5.2.1.1 File Meta Information for the Application Entity

The Source Application Entity Title is always “RMEDIA”.

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity – Export Image Files

The Offline-Media AE acts as an FSC using the interchange option when requested to export SOP Instances from the local database to a CD-R or a DVD+R medium.

5.2.1.2.2 Activity – Import Image Files

The Offline-Media AE acts as an FSR using the interchange option when requested to import SOP Instances from a CD-R or a DVD+R medium to the local database.

5.3 AUGMENTED AND PRIVATE APPLICATION PROFILES

5.3.1 Augmented Application Profiles

5.3.1.1 Augmented Application Profiles – AUG-US-ID-MF-CD & AUG-US-ID-MF-DVD

5.3.1.1.1 SOP Class Augmentations

The Augmented Application Profiles support the following SOP Classes and Transfer Syntaxes.

Table 5.3-1
SOP Class Augmentations

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
DICOM Media Storage Directory	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian	1.2.840.10008.1.2.1
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11	Explicit VR Little Endian	1.2.840.10008.1.2.1
Toshiba US Private Data Storage	1.2.392.200036.9116.7.8.1.1.1	Explicit VR Little Endian	1.2.840.10008.1.2.1

5.3.1.1.2 Directory Augmentations

Not applicable to this product.

5.3.1.1.3 Other Augmentations

Not applicable to this product.

5.3.2 Private Application Profiles

Not applicable to this product.

5.4 MEDIA CONFIGURATION

Not applicable to the Offline-Media AE.

6. SUPPORT OF CHARACTER SETS

This product supports ISO-IR 100 (Latin alphabet No.1) Supplementary set of ISO8859.

Notes: If the Storage SCP AE receives images that contain characters from unsupported character sets, it will respond with “Cannot Understand” to the C-STORE request.

If the MWM SCU AE receives worklist items that contain characters from unsupported character sets, it may abort the association using A-ABORT.

7. SECURTIY

This product does not support any specific security measures.

It is assumed that the product is used within a secured environment. It is assumed that a secured environment includes at a minimum:

a. Firewall or router protections to ensure that only approved external hosts have network access to the product.

b. Firewall or router protections to ensure that the product only has network access to approved external hosts and services.

Other network security procedures such as automated intrusion detection may be appropriate in some environments. Additional security features may be established by the local security policy and are beyond the scope of this conformance statement.

8. ANNEXES

8.1 IOD CONTENTS

8.1.1 Created SOP Instances

Table 8.1-1 specifies the attributes of a Secondary Capture Image transmitted by the Storage SCU AE.

Table 8.1-2 specifies the attributes of an Ultrasound Image transmitted by the Storage SCU AE.

Table 8.1-3 specifies the attributes of an Ultrasound Multi-frame Image transmitted by the Storage SCU AE.

Table 8.1-4 specifies the attributes of a Basic Text SR transmitted by the Storage SCU AE.

Table 8.1-5 specifies the attributes of an Enhanced SR transmitted by the Storage SCU

The following tables use a number of abbreviations. The abbreviations used in the “Presence of …” column are:

VNAP	Value Not Always Present (attribute sent zero length if no value is present)
ANAP	Attribute Not Always Present
ALWAYS	Always Present
EMPTY	Attribute is sent without a value

The abbreviations used in the “Source” column:

MWL	the attribute value source Modality Worklist
USER	the attribute value source is from user input
AUTO	the attribute value is generated automatically
MPPS	the attribute value is the same as that use for Modality Performed Procedure Step
CONFIG	the attribute value source is a configurable parameter

8.1.1.1 SC Image IOD

Table 8.1-1
IOD OF CREATED SC IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
	SC Equipment	Table 8.1-17	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	SC Image	Table 8.1-18	Not Present
	Overlay Plane	--	Not Present
	Modality LUT	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-19	ALWAYS
	Private Application	Table 8.1-20	ALWAYS

8.1.1.2 US Image IOD

Table 8.1-2
IOD OF CREATED US IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	Contrast/bolus	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-13, Table 8.1-14, Table 8.1-15, Table 8.1-16	ALWAYS
	US Image	Table 8.1-21	ALWAYS
	Overlay Plane	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-22	ALWAYS
	Private Application	Table 8.1-23	ALWAYS

8.1.1.3 US Multi-frame Image IOD

Table 8.1-3
IOD OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	General Series	Table 8.1-9	ALWAYS
	Clinical Trial Series	--	Not Present
Frame of Reference	Frame of Reference	--	Not Present
	Synchronization	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	Contrast/bolus	--	Not Present
	Cine	Table 8.1-24	ALWAYS
	Multi-frame	Table 8.1-25	ALWAYS
	Frame Pointers	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-13, Table 8.1-14, Table 8.1-15, Table 8.1-16	ALWAYS
	US Image	Table 8.1-26	ALWAYS
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-27	ALWAYS
	Private Application	Table 8.1-28	ALWAYS

8.1.1.4 Basic Text SR IOD

Table 8.1-4
IOD OF CREATED BASIC TEXT SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-29	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-30	ALWAYS
	SR Document Content	Table 8.1-31	ALWAYS
	SOP Common	Table 8.1-32	ALWAYS
	Private Application	Table 8.1-33	ALWAYS

8.1.1.5 Enhanced SR IOD

Table 8.1-5
IOD OF CREATED ENHANCED SR SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
	Specimen Identification	--	Not Present
	Clinical Trial Subject	--	Not Present
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
	Clinical Trial Study	--	Not Present
Series	SR Document Series	Table 8.1-34	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-35	ALWAYS
	SR Document Content	Table 8.1-36, Table 8.1-37 Table 8.1-38	ALWAYS
	SOP Common	Table 8.1-40	ALWAYS
	Private Application	Table 8.1-41	ALWAYS

8.1.1.6 Common Modules

Table 8.1-6
PATIENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Name	(0010,0010)	PN		VNAP	MWL/ USER
Patient ID	(0010,0020)	LO		VNAP	MWL/ USER
Patient's Birth Date	(0010,0030)	DA	"18581118" will be entered if no value is present.	ALWAYS	MWL/ USER
Patient's Sex	(0010,0040)	CS		VNAP	MWL/ USER
Patient Comments	(0010,4000)	LT	Values supplied via Modality Worklist will be entered at *Comment*. Comment from Modality Worklist or user input will be edited in the following format: <"Insurance="Health Insurance Information<LINEFEED> Comment>.	ALWAYS	MWL*/ USER
Referenced Patient Sequence	(0008,1120)	SQ		VNAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI		VNAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		VNAP	MWL

*(0010,4000) is not included in Return Keys.

Table 8.1-7
GENERAL STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Study Instance UID	(0020,000D)	UI		ALWAYS	MWL/ AUTO
Study Date	(0008,0020)	DA		ALWAYS	AUTO
Study Time	(0008,0030)	TM		ALWAYS	AUTO
Referring Physician's Name	(0008,0090)	PN		VNAP	MWL/ USER
Study ID	(0020,0010)	SH		ALWAYS	AUTO
Accession Number	(0008,0050)	SH		VNAP	MWL/ USER
Study Description	(0008,1030)	LO	See Table 4.2-44 Notes *1	ALWAYS	MWL*/ USER
Study Comments	(0032,4000)	LT	Values supplied via Modality Worklist will be entered at *Additional Info*. Additional Info from Modality Worklist or user input will be edited in the following format: <"BSA="BSA Information<LINEFEED> "BloodPressure="Blood Pressure Information<LINEFEED> Additional Info<LINEFEED> "BSAType="BSA Type Information>.	ALWAYS	MWL*/ USER
Referenced Study Sequence	(0008,1110)	SQ		VNAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI		VNAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		VNAP	MWL

*(0008,1030) and (0032,4000) is not included in Return Keys.

Table 8.1-8
PATIENT STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Admitting Diagnosis Description	(0008,1080)	LO		EMPTY	AUTO
Patient's Size	(0010,1020)	DS		VNAP	MWL*/ USER
Patient's Weight	(0010,1030)	DS		VNAP	MWL/ AUTO

*(0010,1020) is not included in Return Keys.

Table 8.1-9
GENERAL SERIES MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	US	ALWAYS	MWL/ AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO
Series Date	(0008,0021)	DA		ANAP	AUTO
Series Time	(0008,0031)	TM		ANAP	AUTO
Performing Physician's Name	(0008,1050)	PN		VNAP	MWL/ USER
Operator's Name	(0008,1070)	PN		VNAP	USER
Request Attributes Sequence	(0040,0275)	SQ		ANAP	AUTO
>Requested Procedure ID	(0040,1001)	SH		VNAP	MWL
>Scheduled Procedure Step ID	(0040,0009)	SH		VNAP	MWL
>Scheduled Procedure Step Description	(0040,0007)	LO	See Table 4.2-44 Notes *1	VNAP	MWL

Table 8.1-10
GENERAL EQUIPMENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Manufacturer	(0008,0070)	LO	TOSHIBA_MEC	ALWAYS	AUTO
Institution Name	(0008,0080)	LO		ALWAYS	CONFIG
Institutional Department Name	(0008,1040)	LO		VNAP	USER
Manufacturer's Model Name	(0008,1090)	LO	Aplio MX	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO		ALWAYS	AUTO
Software Version	(0018,1020)	LO	V10.00	ALWAYS	AUTO

Table 8.1-11
GENERAL IMAGE MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number	(0020,0013)	IS	SC/US/Multi-frame: ALWAYS Private: Not Present	ANAP	AUTO
Patient Orientation	(0020,0020)	CS		ANAP	AUTO
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Image Type	(0008,0008)	CS	Value 1: Pixel Data Characteristics "ORIGINAL" or "DERIVED" Value 2: Patient Exam Characteristics "PRIMARY" or "SECONDARY" Value 3: System Defined Term "US IMAGE", "US 3D IMAGE" (if the SC image is 3D/4D screen shot), or "US_4D_LIVE"	ANAP	AUTO
Acquisition Date	(0008,0022)	DA		ALWAYS	AUTO
Acquisition Time	(0008,0032)	TM		ALWAYS	AUTO
Derivation Description	(0008,2111)	ST		ANAP	AUTO
Image Comments	(0020,4000)	LT		ANAP	AUTO
Lossy Image Compression	(0028,2110)	CS		ANAP	AUTO
Lossy Image Compression Ratio	(0028,2112)	DS		ANAP	AUTO

Table 8.1-12
IMAGE PIXEL MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples per Pixel	(0028,0002)	US	3 or 1	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	"RGB", "YBR_FULL", "YBR_FULL_422", "YBR_PARTIAL_422", or "MONOCHROME2" Note: if "MONOCHROME2", then - (0028,0002) 1 - (0028,0006) Not Present	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US	0 or 1	ANAP	AUTO
Rows	(0028,0010)	US	600	ALWAYS	AUTO
Columns	(0028,0011)	US	800	ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

8.1.1.7 US Region Calibration Module

Table 8.1-13
US REGION CALIBRATION MODULE B-MODE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US	1	ALWAYS	AUTO
>Region Data Type	(0018,6014)	US	1	ALWAYS	AUTO
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>Steering Angle	(0018,6036)	FD		ANAP	AUTO

Table 8.1-14
US REGION CALIBRATION MODULE BC-MODE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US	1	ALWAYS	AUTO
>Region Data Type	(0018,6014)	US	2	ALWAYS	AUTO
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>Pulse Repetition Frequency	(0018,6032)	UL		ALWAYS	AUTO
>Steering Angle	(0018,6036)	FD		ANAP	AUTO

Table 8.1-15
US REGION CALIBRATION MODULE D-MODE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US	3	ALWAYS	AUTO
>Region Data Type	(0018,6014)	US	3 or 4	ALWAYS	USER
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>Pulse Repetition Frequency	(0018,6032)	UL		ALWAYS	AUTO
>Doppler Correction Angle	(0018,6034)	FD		ALWAYS	AUTO
>Steering Angle	(0018,6036)	FD		ALWAYS	AUTO
>Doppler Sample Volume X Position	(0018,6038)	UL		ALWAYS	AUTO
>Doppler Sample Volume Y Position	(0018,603A)	UL		ALWAYS	AUTO
>TM-Line Position x0	(0018,603C)	UL		ALWAYS	AUTO
>TM-Line Position y0	(0018,603E)	UL		ALWAYS	AUTO
>TM-Line Position x1	(0018,6040)	UL		ALWAYS	AUTO
>TM-Line Position y1	(0018,6042)	UL		ALWAYS	AUTO

Table 8.1-16
US REGION CALIBRATION MODULE M-MODE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US	2	ALWAYS	AUTO
>Region Data Type	(0018,6014)	US	1	ALWAYS	AUTO
>Region Flags	(0018,6016)	UL		ALWAYS	AUTO
>Region Location Min x0	(0018,6018)	UL		ALWAYS	AUTO
>Region Location Min y0	(0018,601A)	UL		ALWAYS	AUTO
>Region Location Max x1	(0018,601C)	UL		ALWAYS	AUTO
>Region Location Max y1	(0018,601E)	UL		ALWAYS	AUTO
>Reference Pixel x0	(0018,6020)	SL		ALWAYS	AUTO
>Reference Pixel y0	(0018,6022)	SL		ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US		ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US		ALWAYS	AUTO
>Reference Pixel Physical Value X	(0018,6028)	FD		ALWAYS	AUTO
>Reference Pixel Physical Value Y	(0018,602A)	FD		ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD		ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD		ALWAYS	AUTO
>Transducer Frequency	(0018,6030)	UL		ALWAYS	AUTO
>TM-Line Position x0	(0018,603C)	UL		ALWAYS	AUTO
>TM-Line Position y0	(0018,603E)	UL		ALWAYS	AUTO
>TM-Line Position x1	(0018,6040)	UL		ALWAYS	AUTO
>TM-Line Position y1	(0018,6042)	UL		ALWAYS	AUTO

8.1.1.8 SC Image Modules

Table 8.1-17
SC EQUIPMENT MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Conversion Type	(0028,0064)	CS	“DV” (Digitized Video), “DI” (Digital Interface), “DF” (Digitized Film), or “WSD” (Workstation)	ALWAYS	AUTO

Table 8.1-18
SC IMAGE MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Date of Secondary Capture	(0018,1012)	DA		Not Present	
Time of Secondary Capture	(0018,1014)	TM		Not Present	

Table 8.1-19
SOP COMMON MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.7	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-20
PRIVATE APPLICATION MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1031)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1032)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1033)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1034)	CS	DB TO DICOM	ALWAYS	AUTO

8.1.1.9 US Image Modules

Table 8.1-21
US IMAGE MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US	3 or 1	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	"RGB", "YBR_FULL", "YBR_FULL_422", "YBR_PARTIAL_422", or "MONOCHROME2" Note: if "MONOCHROME2", then - (0028,0002) 1 - (0028,0006) Not Present - (0028,0014) 0	ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US	0 or 1	ANAP	AUTO
Rows	(0028,0010)	US	600 or 537	ALWAYS	USER
Columns	(0028,0011)	US	800 or 716	ALWAYS	USER
Ultrasound Color Data Present	(0028,0014)	US	1 or 0	ALWAYS	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB or OW		ALWAYS	AUTO

Table 8.1-22
SOP COMMON MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.6.1	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-23
PRIVATE APPLICATION MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	TOSHIBA MDW HEADER	ALWAYS	AUTO
Application Header Type	(0029,1008)	CS	TUS_IMAGE or TUS_ASQ	ALWAYS	AUTO
Application Header Version	(0029,1009)	LO	1.00 or 1.0	ALWAYS	AUTO
Application Header Data	(0029,1010)	OB		ALWAYS	AUTO
Private Creator	(0029,0011)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1131)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1132)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1133)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1134)	CS	DB TO DICOM	ALWAYS	AUTO

8.1.1.10 US Multi-frame Image Modules

Table 8.1-24
CINE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Start Trim	(0008,2142)	IS		ANAP	AUTO
Stop Trim	(0008,2143)	IS		ANAP	AUTO
Recommended Display Frame Rate	(0008,2144)	IS		ANAP	USER
Cine Rate	(0018,0040)	IS		ANAP	USER
Effective Duration	(0018,0072)	DS		ANAP	AUTO
Frame Time	(0018,1063)	DS		ALWAYS	AUTO
Frame Delay	(0018,1066)	DS		ANAP	AUTO
Actual Frame Duration	(0018,1242)	IS		ANAP	AUTO

Table 8.1-25
MULTI-FRAME MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Frames	(0028,0008)	IS		ALWAYS	USER
Frame Increment Pointer	(0028,0009)	AT		ALWAYS	AUTO

Table 8.1-26
US IMAGE MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Stage Name	(0008,2120)	SH		ANAP	AUTO
Stage Number	(0008,2122)	IS		ANAP	AUTO
Number of Stages	(0008,2124)	IS		ANAP	AUTO
View Name	(0008,2127)	SH		ANAP	AUTO
View Number	(0008,2128)	IS		ANAP	AUTO
Number of Views in Stage	(0008,212A)	IS		ANAP	AUTO
Heart Rate	(0008,1088)	IS		ANAP	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US	3	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	YBR_FULL_422	ALWAYS	AUTO
Planar Configuration	(0028,0006)	US	0	ALWAYS	AUTO
Rows	(0028,0010)	US	600	ALWAYS	AUTO
Columns	(0028,0011)	US	800	ALWAYS	AUTO
Ultrasound Color Data Present	(0028,0014)	US	1	ANAP	AUTO
Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
High Bit	(0028,0102)	US	7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OB		ALWAYS	AUTO

Table 8.1-27
SOP COMMON MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.3.1	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-28
PRIVATE APPLICATION MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	TOSHIBA MDW NON-IMAGE	ALWAYS	AUTO
Application Header Type	(0029,1008)	CS	TUS_CLIP, TSB_STRESS_CLIP, or US_4D_CLIP	ALWAYS	AUTO
Application Header Version	(0029,1009)	LO	1.00	ALWAYS	AUTO
Private Creator	(0029,0011)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1131)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1132)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1133)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1134)	CS	DB TO DICOM	ALWAYS	AUTO
Private Creator	(0029,0012)	LO	TOSHIBA MDW HEADER	ANAP	AUTO
Application Header Type	(0029,1208)	CS	TUS_CLIP or US_4D_CLIP	ANAP	AUTO
Application Header Version	(0029,1209)	LO	1	ANAP	AUTO
Application Header Data	(0029,1210)	OB		ANAP	AUTO

8.1.1.11 Basic Text SR Modules

Table 8.1-29
SR DOCUMENT SERIES MODULE OF CREATED BASIC TEXT SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	SR	ALWAYS	AUTO
Referenced Study Component Sequence	(0008,1111)	SQ		VNAP	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO

Table 8.1-30
SR DOCUMENT GENERAL MODULE OF CREATED BASIC TEXT SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Referenced Request Sequence	(0040,A370)	SQ		VNAP	AUTO
>Accession Number	(0008,0050)	SH		VNAP	MWL/ USER
>Referenced Study Sequence	(0008,1110)	SQ		VNAP	MWL
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
>Requested Procedure Description	(0032,1060)	LO	See Table 4.2-44 Notes *1	VNAP	MWL/ USER
>Requested Procedure Code Sequence	(0032,1064)	SQ		VNAP	MWL
>Requested Procedure ID	(0040,1001)	SH		VNAP	MWL/ USER
>Placer Order Number/Imaging Service Request	(0040,2016)	LO		VNAP	MWL
>Filler Order Number/Imaging Service Request	(0040,2017)	LO		VNAP	MWL
Performed Procedure Code Sequence	(0040,A372)	SQ		ALWAYS	AUTO
Current Requested Procedure Evidence Sequence	(0040,A375)	SQ		VNAP	AUTO
>Referenced Series Sequence	(0008,1115)	SQ		VNAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		VNAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		VNAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		VNAP	AUTO
>>Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
Completion Flag	(0040,A491)	CS	COMPLETE	ALWAYS	AUTO
Verification Flag	(0040,A493)	CS	UNVERIFIED	ALWAYS	AUTO

Table 8.1-31
SR DOCUMENT CONTENT MODULE OF CREATED BASIC TEXT SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	V5000001	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	TSBUS	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	APLIO_BASIC_REPORT	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	V5000002	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	TSBUS	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	ORIGINAL_XML_DATA	ALWAYS	AUTO
>Text Value	(0040,A160)	UT	Measurement Result	ALWAYS	AUTO

Table 8.1-32
SOP COMMON MODULE OF CREATED BASIC TEXT SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.11	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-33
PRIVATE APPLICATION MODULE OF CREATED BASIC TEXT SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	TOSHIBA MDW NON-IMAGE	ALWAYS	AUTO
Application Header Type	(0029,1008)	CS	TSB_BASIC_SR	ALWAYS	AUTO
Application Header Version	(0029,1009)	LO	1.00	ALWAYS	AUTO
Application Header Data	(0029,1020)	OB		ALWAYS	AUTO
Private Creator	(0029,0011)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1131)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1132)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1133)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1134)	CS	DB TO DICOM	ALWAYS	AUTO

8.1.1.12 Enhanced SR Modules

Table 8.1-34
SR DOCUMENT SERIES MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	SR	ALWAYS	AUTO
Referenced Study Component Sequence	(0008,1111)	SQ		VNAP	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO

Table 8.1-35
SR DOCUMENT GENERAL MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Content Date	(0008,0023)	DA		ALWAYS	AUTO
Content Time	(0008,0033)	TM		ALWAYS	AUTO
Instance Number	(0020,0013)	IS		ALWAYS	AUTO
Referenced Request Sequence	(0040,A370)	SQ		VNAP	AUTO
>Accession Number	(0008,0050)	SH		VNAP	MWL/ USER
>Referenced Study Sequence	(0008,1110)	SQ		VNAP	MWL
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
>Requested Procedure Description	(0032,1060)	LO	See Table 4.2-44 Notes *1	VNAP	MWL/ USER
>Requested Procedure Code Sequence	(0032,1064)	SQ		VNAP	MWL
>Requested Procedure ID	(0040,1001)	SH		VNAP	MWL/ USER
>Placer Order Number/Imaging Service Request	(0040,2016)	LO		VNAP	MWL
>Filler Order Number/Imaging Service Request	(0040,2017)	LO		VNAP	MWL
Performed Procedure Code Sequence	(0040,A372)	SQ		ALWAYS	AUTO
Current Requested Procedure Evidence Sequence	(0040,A375)	SQ		VNAP	AUTO
>Referenced Series Sequence	(0008,1115)	SQ		VNAP	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		VNAP	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		VNAP	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		VNAP	AUTO
>>Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
>Study Instance UID	(0020,000D)	UI		VNAP	MWL/ AUTO
Completion Flag	(0040,A491)	CS	COMPLETE	ALWAYS	AUTO
Verification Flag	(0040,A493)	CS	UNVERIFIED	ALWAYS	AUTO

Table 8.1-36
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED SR SOP INSTANCES FOR ECHOCARDIOGRAPHY PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125200	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Adult Echocardiography Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5200	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO

>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121033	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8867-4	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Heart Rate. SR Document content Module may have multiple measurement results, at that case, the heart rate value is set for the last measurement.	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	“{H.B.}/min”	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Heart beat per minute	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO

>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	F-008EC	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Systolic Blood Pressure	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	mm[Hg]	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“mmHg”	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	F-008ED	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Diastolic Blood Pressure	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	mm[Hg]	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“mmHg”	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8277-6	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Body Surface Area	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	cm2	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“Square centimeter”	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	111028	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ALWAYS	AUTO

>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121070	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Findings	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO

Cd.Dsgn	Cd.Vlu	Cd.Mean
SRT	T-32600	Left Ventricle
SRT	T-32300	Left Atrium
SRT	T-32500	Right Ventricle
SRT	T-35400	Aortic Valve
SRT	T-35300	Mitral Valve
SRT	T-48581	Pulmonary Venous Structure
SRT	T-35100	Tricuspid Valve
SRT	T-35200	Pulmonic Valve
TSBus	3270000	Right Coronary Artery
TSBus	3270001	Left Anterior Descending Coronary Artery

>>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	125007	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Measurement Group	ALWAYS	AUTO
>>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	G-0373	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Image Mode	ALWAYS	AUTO
>>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT / G-03A2 / 2D mode	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	SRT / G-0394 / M mode TSBus / 03210001 / Doppler mode	ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“Measurement name or description”	ALWAYS	AUTO
>>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	G-C036	ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Measurement Method	ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO

>>>>>Code Value	(0008,0100)	SH	**Cd.Dsgn**	**Cd.Vlu**	**Cd.Mean**	ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM	125204	Area-Length Biplane	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	DCM	125205	Area-Length Single Plane	ALWAYS	AUTO
			DCM	125206	Cube Method		
			DCM	125207	Method of Disks, Biplane		
			DCM	125208	Method of Disks, Single Plane		
			DCM	125209	Teichholz		
			DCM	125210	Area by Pressure Half-Time		
			DCM	125215	Continuity Equation by Velocity Time Integral		
			DCM	125216	Proximal Isovelocity Surface Area		
			DCM	125218	Simplified Bernoulli		
			DCM	125221	Left Ventricle Mass by M-mode		
			DCM	125222	Left Ventricle Mass by Truncated Ellipse		
			TSBus	03500000	Bullet Method		
			TSBus	0317000A	Gibson Method		
>>>Content sequence	(0040,A730)	SQ				ALWAYS	AUTO
>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD			ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ				ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	R-4089A			ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT			ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Cardiac Cycle Point			ALWAYS	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO

>>>>>Code value	(0008,0100)	SH	**Cd.Dsgn**	**Cd.Vlu**	**Cd.Mean**	ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	SRT	F-32010	Diastole	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	SRT	F-32011	End Diastole	ALWAYS	AUTO
			SRT	F-32020	Systole		
			DCM	109070	End Systole		
>>>>Relationship Type	(0040,A010)	CS	ACQ CONTEXT			ALWAYS	AUTO
>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO
>>>>Concept Name Code Sequence	(0040,A043)	SQ				ALWAYS	AUTO
>>>>>Code Value	(0008,0100)	SH	111031			ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM			ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Image view			ALWAYS	AUTO
>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO
>>>>>Code value	(0008,0100)	SH	**Cd.Dsgn**	**Cd.Vlu**	**Cd.Mean**	ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	SRT	G-A19B	Apical two chamber	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	SRT	G-A19C	Apical four chamber	ALWAYS	AUTO

TID 5200 – Echocardiography Procedure Report

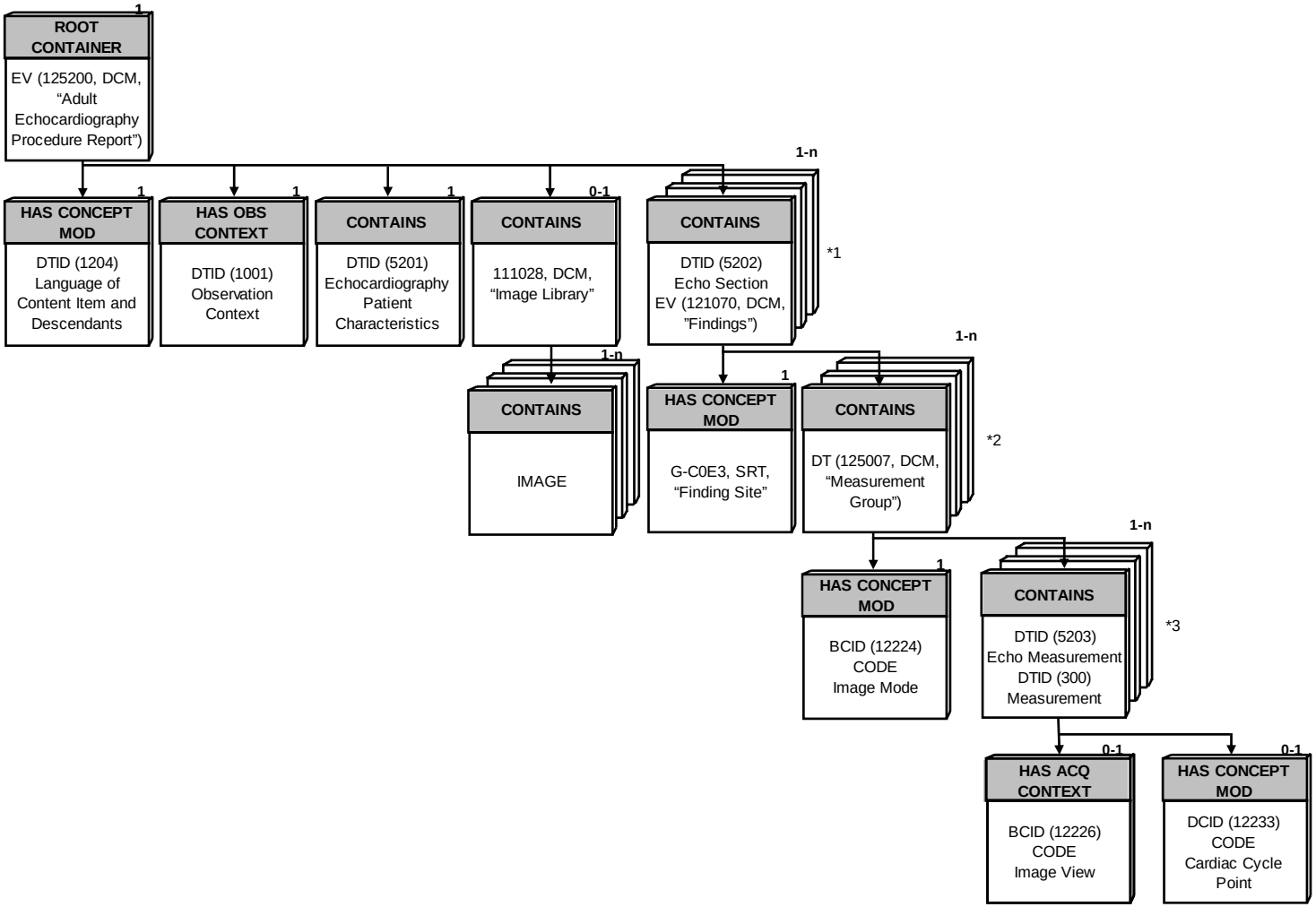


Figure 8.1-1 TID 5200 – Echocardiography Procedure Report

*1 DTID (5202) Echo Section may be multiple depending on what's kinds of "Findings" measured. E.g. Left Ventricle, Right Ventricle, Left Atrium, or so on.
*2 DT (125007, DCM, "Measurement Group") may be multiple depending on what's kinds of "Toshiba Measurements" measured.
E.g. "Cardiac 2D-Mode LV measurement (MOD Simpson method)", Cardiac M-Mode Aortic valve measurement, or so on.
*3 DTID (5203) Echo Measurement may be multiple depending on the number of measurement items.

Each “Label” means a unique identifier of measurement result on the Toshiba Ultrasound System.

Some measurements may overlap a “Label”. It means “Label” is unique within a measurement.

Figure 8.1-2 to 8.1-22 shows the relationship between Toshiba unique identifiers “Label” and DICOM tags structures.

List 8.1-1 Cardiac 2D-Mode LV measurement (MOD Simpson method)

Label Toshiba Measurements Identifier	DICOM SR Representations																		
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Image View			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
LVAd2	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LVLd2	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
EDV2	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
LVAs2	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
LVLs2	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
ESV2	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
LVAd4	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LVLd4	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
EDV4	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
LVAs4	SRT	G-0374	Left Ventricular systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
LVLs4	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	DCM	109070	End Systole	DCM	125208	Method of Disks, Single Plane
ESV4	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
LAa4	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAd4	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAV4	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAa2	TSBus	03010002	Left Atrium Area	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAd2	TSBus	03010003	Left Atrium major axis	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAV2	TSBus	03010004	Left Atrium Volume	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LA W	TSBus	03010005	Left Atrirum Width	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
LA H	TSBus	03010006	Left Atrirum Height	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
LA D	TSBus	03010007	Left Atrirum Depth	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
HR	LN	8867-4	Heart rate															
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125207	Method of Disks, Biplane
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32020	Systole	DCM	125207	Method of Disks, Biplane
SV4	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
CO4	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
EF4	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber				DCM	125208	Method of Disks, Single Plane
SI4	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
CI4	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
SV2	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
CO2	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
EF2	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber				DCM	125208	Method of Disks, Single Plane
SI2	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
CI2	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32020	Systole	DCM	125208	Method of Disks, Single Plane
LVLd Diff	TSBus	03010000	LV_Ldiff_d_BPMOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
LVLs Diff	TSBus	03010001	LV_Ldiff_s_BPMOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole			
LAV	TSBus	0301000B	Left Atrium Volume Biplane Method of Disks.	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125207	Method of Disks, Biplane
LAVI	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
LAVI2	TSBus	0301000D	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LAVI4	TSBus	0301000E	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32011	End Diastole	DCM	125208	Method of Disks, Single Plane
LA_Vol	TSBus	0301000F	Left Atrium Volume 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
LA_VI	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			

List 8.1-2 Cardiac 2D-Mode LV measurement (Teichholz method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125209	Teichholz
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125209	Teichholz
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125209	Teichholz
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125209	Teichholz
HR	LN	8867-4	Heart rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125209	Teichholz
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125209	Teichholz
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125209	Teichholz
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125209	Teichholz
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125209	Teichholz
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125209	Teichholz
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125209	Teichholz
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125209	Teichholz
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125209	Teichholz
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125209	Teichholz

List 8.1-3 Cardiac 2D-Mode LV measurement (Cube method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125206	Cube Method
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125206	Cube Method
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125206	Cube Method
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125206	Cube Method
HR	LN	8867-4	Heart rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125206	Cube Method
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125206	Cube Method
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125206	Cube Method
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125206	Cube Method
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125206	Cube Method
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125206	Cube Method
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125206	Cube Method
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125206	Cube Method
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125206	Cube Method
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125206	Cube Method

List 8.1-4 Cardiac 2D-Mode LV measurement (Gibson method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	0317000A	Gibson Method
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
HR	LN	8867-4	Heart rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	0317000A	Gibson Method
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	0317000A	Gibson Method
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	0317000A	Gibson Method
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	0317000A	Gibson Method
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method

List 8.1-5 Cardiac 2D-Mode LV measurement (Single plane method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
LVALd	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125205	Area-Length Single Plane
LVLS	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125205	Area-Length Single Plane
HR	LN	8867-4	Heart Rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125205	Area-Length Single Plane
ESV	LN	18148-7	Left Ventricular End systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125205	Area-Length Single Plane
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125205	Area-Length Single Plane
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125205	Area-Length Single Plane

List 8.1-6 Cardiac 2D-Mode LV measurement (Biplane method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
LVALd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
LVAMd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125204	Area-Length Biplane
LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
LVAMs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
HR	LN	8867-4	Heart rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125204	Area-Length Biplane
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125204	Area-Length Biplane
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	125204	Area-Length Biplane
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125204	Area-Length Biplane
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	DCM	125204	Area-Length Biplane

List 8.1-7 Cardiac 2D-Mode LV measurement (Bullet method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
LVAMd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	03500000	Bullet Method
LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole	TSBus	03500000	Bullet Method
LVAMs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	03500000	Bullet Method
LVLs	LN	18076-0	Left Ventricle systolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	DCM	109070	End Systole	TSBus	03500000	Bullet Method
HR	LN	8867-4	Heart Rate												
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	03500000	Bullet Method
ESV	LN	18148-7	Left Ventricular End systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	03500000	Bullet Method
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	03500000	Bullet Method
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	03500000	Bullet Method
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				TSBus	03500000	Bullet Method
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	03500000	Bullet Method
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	F-32020	Systole	TSBus	03500000	Bullet Method

List 8.1-8 Cardiac M-Mode Aortic valve measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode	DCM	109070	End Systole			
LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode	SRT	F-32011	End Diastole			
ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode	SRT	F-32020	Systole			
AoV Diam	LN	17996-0	Aortic Valve Cusp Separation	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode	DCM	109070	End Systole			
LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	SRT	G-0394	M mode						

List 8.1-9 Cardiac M-Mode Mitral valve measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
EPSS	LN	18036-4	Mitral Valve EPSS, E wave	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
EF Slope	LN	18040-6	Mitral Valve E-F Slope by M-Mode	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
CE Amp	TSBus	030F0002	E-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
CA Amp	TSBus	030F0003	A-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
DE Amp	TSBus	030F0001	DE-wave amplitude	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
DE Slope	TSBus	030F0000	Mitral valve opening rate	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						
CA/CE	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	SRT	G-0394	M mode						

List 8.1-10 Cardiac M-Mode LV measurement (Teichholz method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	SRT	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125209	Teichholz
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125209	Teichholz
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125209	Teichholz
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125209	Teichholz
ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125209	Teichholz
HR	LN	8867-4	Heart rate										DCM	125209	Teichholz
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125209	Teichholz
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125209	Teichholz
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125209	Teichholz
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125209	Teichholz
MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125209	Teichholz
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode

List 8.1-11 Cardiac M-Mode LV measurement (Cube method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	SRT	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125206	Cube Method
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125206	Cube Method
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125206	Cube Method
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125206	Cube Method
ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125206	Cube Method
HR	LN	8867-4	Heart rate										DCM	125206	Cube Method
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125206	Cube Method
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125206	Cube Method
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125206	Cube Method
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	DCM	125206	Cube Method
MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	125206	Cube Method
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode

List 8.1-12 Cardiac M-Mode LV measurement (Gibson method)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RVD	SRT	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
IVSTd	LN	18154-5	Interventricular Septum Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
LVIDd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
LVPWTd	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	TSBus	0317000A	Gibson Method
IVSTs	LN	18158-6	Interventricular Septum Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
LVIDs	LN	29438-9	Left Ventricle Internal Systolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
LVPWTs	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	TSBus	0317000A	Gibson Method
ET	DCM	122211	Left Ventricular ejection time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
HR	LN	8867-4	Heart rate										TSBus	0317000A	Gibson Method
EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
ESV	LN	18148-7	Left Ventricular End Systolic Volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
EF	LN	18043-0	Left Ventricular Ejection Fraction	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
FS	LN	18051-3	Left Ventricular Fractional Shortening	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32020	Systole	TSBus	0317000A	Gibson Method
MVCF	TSBus	031B0000	M_LV_MVCFS	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				TSBus	0317000A	Gibson Method
LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSd Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	SRT	F-32011	End Diastole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode
LV MASSs Index	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode	DCM	109070	End Systole	DCM	125221	Left Ventricle Mass by M-mode

List 8.1-13 Cardiac Doppler-Mode Aortic Valve measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
AoV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
AoV VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
AoV VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
AoV MPG	LN	20256-4	Mean Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
AoV PPG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
LVOT VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT VM	LN	20352-1	Mean Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT MPG	LN	20256-4	Mean Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
LVOT PPG	LN	20247-3	Peak Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
LVOT Diam	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	DCM	109070	End Systole			
AcT	LN	20168-1	Accelaration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
ET	LN	18041-4	Aortic Valve Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
AoV Vel	LN	11653-3	End Diastolic Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
AoV PG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
LVOT Vel	LN	11653-3	End Diastolic Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode						
LVOT PG	LN	20247-3	Peak Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
AR VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
AR VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
AR MPG	LN	20256-4	Mean Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
AR PPG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
AR Vmax	TSBus	03070006	AR Vmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
AR Ved	TSBus	03070007	AR Ved	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
Time	LN	20217-6	Deceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
DecelRate	LN	20216-8	Deceleration Slope	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
AR PGmax	TSBus	03070008	AR PGmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
AR PGed	TSBus	03070009	AR PGed	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
Ao Diam	LN	18015-8	Aortic Root diameter	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	DCM	109070	End Systole			
LA Diam	TSBus	0307000A	LA Diam	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32011	End Diastole			
HR	LN	8867-4	Heart Rate												
LVOT SV	SRT	F-32120	Stroke volume	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT CO	SRT	F-32100	Cardiac Output	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT SI	SRT	F-00078	Stroke Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT CI	SRT	F-32110	Cardiac Index	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
AoV Area	SRT	F-0231F	Aortic valve Area	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125215	Continuity Equation by Velocity Time Integral
AoV Area Index	TSBus	03070000	AoV Area Index	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode				DCM	125215	Continuity Equation by Velocity Time Integral
LA/Ao	LN	17985-3	Left Atrium to Aortic Root Ratio	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
PHT	LN	20280-4	Pressure Half Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
Qp/Qs (SV)	TSBus	03070004	Qp/Qs (SV)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
Qp/Qs (CO)	TSBus	03070005	Qp/Qs (CO)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
AcT/ET	SRT	G-0382	Ratio ofAortic Valve Accelaraton Time to Ejection Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode						
RF (AoV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35300	Aortic Valve	TSBus	03210001	Doppler mode						
R Vol (AoV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Aortic Valve	TSBus	03210001	Doppler mode						
LVOT/AoV (VP)	TSBus	03070001	LVOT/AoV (VP)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT/AoV (VTI)	TSBus	03070002	LVOT/AoV (VTI)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
LVOT/AoV (Vel)	TSBus	03070003	LVOT/AoV (Vel)	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			

List 8.1-14 Cardiac Doppler-Mode Mitral Valve measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
E Vel	LN	18037-2	Mitral Valve E-wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
A Vel	LN	17978-8	Mitral Valve A-wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
DcT	SRT	G-0384	Mitral Valve E-wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
E' Vel	LN	18037-2	Mitral Valve E-Wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
A' Vel	LN	17978-8	Mitral Valve A-wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
E Dur	TSBus	03090001	Mitral Valve E-wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
A Dur	SRT	G-0385	Mitral Valve A-Wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
IVRT	TSBus	03090002	Isovelocity relaxation time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode						
MV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
MV VP	LN	11726-7	Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
MV VM	LN	20352-1	Mean Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
MV PPG	LN	20247-3	Peak Gradient	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
MV MPG	LN	20256-4	Mean Gradient	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
MV DistA	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	F-32010	Diastole			
MV DistB	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	F-32010	Diastole			
MV Area (2D)	SRT	F-02320	Mitral valve Area	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	F-32010	Diastole	DCM	125220	Planimetry
HR	LN	8867-4	Heart Rate												
PHT	LN	20280-4	Pressure half time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125210	Area by Pressure Half-Time
dP/dt	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
dt	TSBus	03090005	D_MV_RRiseTime_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
Vel1	TSBus	03090006	D_MV_RRiseTime_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
Vel2	TSBus	03090007	D_MV_RRiseTime_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
dP/dt	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
dt	TSBus	03090008	D_MV_DPDTM1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
Vel1	TSBus	03090009	D_MV_DPDTM1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
Vel2	TSBus	0309000A	D_MV_DPDTM1M3_s_MCR_VELOCITY_2	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
E/A	LN	18038-0	Mitral Valve E to A Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
A/E	TSBus	03090000	MV_AERatio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
E/E'	TSBus	0309000B	Mitral Valve E to E' Ratio	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
MV SV	SRT	F-32120	Stroke volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
MV CO	SRT	F-32100	Cardiac Output	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
MV SI	SRT	F-00078	Stroke Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
MV CI	SRT	F-32110	Cardiac Index	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
MVArea PHT	LN	20280-4	Pressure Half-Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
dP/dt	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
RF (MV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode						
R Vol (MV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode						
Diff A Dur	TSBus	0309000C	Diff A Dur	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode						

List 8.1-15 Cardiac Doppler-Mode Pulmonary vein blood flow waveform measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
S1 Vel	TSBus	03130001	S1-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
S2 Vel	LN	29450-4	Pulmonary Vein Systolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
D Vel	LN	29451-2	Pulmonary Vein Diastolic Peak Velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
DcT	LN	20217-6	Deceleration time	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
PVA Vel	TSBus	03130002	AR-wave velocity	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode						
PVA Dur	SRT	G-038B	Pulmonary Vein A-wave Duration	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode						
S VTI	SRT	G-038C	Pulmonary Vein S-wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
D VTI	SRT	G-038D	Pulmonary Vein D-wave Velocity Time Integral	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
S/D	LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode						
Sys.Fract	TSBus	03130000	PVein_SF	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode						
Diff A Dur	TSBus	0313000C	A Dur (MV) – PVA Dur	SRT	T-48581	Pulmonary Venous Structure	TSBus	03210001	Doppler mode						

List 8.1-16 Cardiac Doppler-Mode Tricus measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
TV E Vel	LN	18031-5	Tricuspid Valve E Wave Peak velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV A Vel	LN	18030-7	Tricuspid Valve A Wave Peak velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV DcT	LN	20217-6	Deceleration Time	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV VP	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV VM	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
TV PPG	LN	20247-3	Peak Gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
TV MPG	LN	20256-4	Mean Gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
TR VTI	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
TR VP	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
TR VM	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
TR PPG	LN	20247-3	Peak Gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
TR MPG	LN	20256-4	Mean Gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
TR Vmax	TSBus	03150001	MaximumTricuspid Valve regurgitation velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
TR PGmax	TSBus	03150002	MaximumTricuspid Valve regurgitation pressure gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode						
RVs Press	SRT	F-03DFE	Right Ventricular Systolic Pressure	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode						
E/A	LN	18039-8	Tricuspid Valve E to A ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode						
A/E	TSBus	03150000	Tricuspid Valve A to E ratio	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode						

List 8.1-17 Cardiac Doppler-Mode Pulmonary valve measurement

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
PV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV PPG	LN	20247-3	Peak Gradient	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
PV MPG	LN	20256-4	Mean Gradient	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	DCM	125218	Simplified Bernoulli
PV Diam	SRT	M-02550	Diameter	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
HR	LN	8867-4	Heart rate												
RV PEP	TSBus	030B0002	Doppler-mode time measurement	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode						
RV AcT	LN	20168-1	Acceleration Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode						
RV ET	DCM	122213	Right Ventricular Ejection Time	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PR VTI	LN	20354-7	Velocity time integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
PR VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
PR VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole			
PR PPG	LN	20247-3	Peak Gradient	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
PR MPG	LN	20256-4	Mean Gradient	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	DCM	125218	Simplified Bernoulli
PR Ved	LN	11653-3	End Diastolic Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						
PR PGed	TSBus	030B0003	Pressure gradient on PV regurgitation waveform	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32011	End Diastole			
RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						
AcT/ET	SRT	G-0388	Ratio ofPulmonic Valve Accelaration Time to Ejection Time	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						
STI	TSBus	030B0000	P_HT_STI	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode						
PV SV	SRT	F-32120	Stroke Volume	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV CO	SRT	F-32100	Cardiac Output	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV SI	SRT	F-00078	Stroke Index	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
PV CI	SRT	F-32110	Cardiac Index	SRT	T-32500	Right Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole			
Qp/Qs (SV)	TSBus	030B0004	HRT_ShuntFlow	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						
Qp/Qs (CO)	TSBus	030B0005	HRT_ShuntFlowCO	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						
PAs Press	TSBus	030B0001	P_HT_PAPed	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode						

List 8.1-18 Extra Measurements LV Mass AL (Area-Length)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
LVL	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
MassIdx	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			

List 8.1-19 Extra Measurements LV Mass TE (Truncated Ellipsoid)

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
A epi	TSBus	03400006	Epicardium area	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
A endo	TSBus	03400007	Endocardium area	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
a	TSBus	03230000	B_LV_LenSMA_d	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
d	TSBus	03230003	B_LV_LenTSMA_d	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			
t	TSBus	03400001	myocardial thickness	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole	DCM	125222	Left Ventricle Mass by Truncated Ellipse
LV Mass	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole	DCM	125222	Left Ventricle Mass by Truncated Ellipse
MassIdx	SRT	G-037F	Left Ventricular Index of Myocardial Performance	SRT	T-32600	Left Ventricle				SRT	F-32011	End Diastole			

List 8.1-20 Extra Measurements PISA

Label Toshiba Measurements Identifier	DICOM SR Representations														
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
Radius	TSBus	03250001	Radius	SRT	T-32600	Left Ventricle									
Alias Vel	TSBus	03250002	Alias velocity	SRT	T-32600	Left Ventricle									
VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle									
VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle									
PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-32600	Left Ventricle							DCM	125218	Simplified Bernoulli
MPG	DCM	122197	Gadient Pressure,Aaverage	SRT	T-32600	Left Ventricle							DCM	125218	Simplified Bernoulli
Flow Rate	LN	34141-2	Peak Instantaneous Flow Rate	SRT	T-32600	Left Ventricle									
EOArea	TSBus	03250003	Effective Opening area	SRT	T-32600	Left Ventricle							DCM	125216	Proximal Isovelocity Surface Area
FlowVol	LN	33878-0	Volume flow	SRT	T-32600	Left Ventricle									

List 8.1-21 Extra Measurements Coronary

Label Toshiba Measurements Identifier	DICOM SR Representations															
	TID (5203) Echo Measurement $Measurement			TID (5202) Echo Section Finding Site			TID (5202) Echo Section TID (5203) Echo Measurement Image Mode			TID (5203) Echo Measurement Cardiac Cycle Point			DTID (300) Measurement Measurement Method		
	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning	(0008, 0102) Cd Scheme Design.	(0008, 0100) Cd. Value	(0008, 0104) Code Meaning
RCA Base Vel	TSBus	0327000B	Flow velocity before loading	TSBus	3270000	Right Coronary Artery									
RCA Hyper Vel	TSBus	0327000C	Flow velocity after loading	TSBus	3270000	Right Coronary Artery									
RCA VP base	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery									
RCA VM base	LN	11692-1	Time averaged peak velocity	TSBus	3270000	Right Coronary Artery									
RCA DcT	LN	20217-6	Deceleration time	TSBus	3270000	Right Coronary Artery									
RCA PHT	LN	20280-4	Pressure half time	TSBus	3270000	Right Coronary Artery									
RCA CFR Vel	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270000	Right Coronary Artery									
RCA CFR VP	TSBus	0327000E	VP hyper/VP base	TSBus	3270000	Right Coronary Artery									
RCA CFR VM	TSBus	0327000F	VM hyper/VM base	TSBus	3270000	Right Coronary Artery									
LCA Base Vel	TSBus	0327000B	Flow velocity before loading	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA Hyper Vel	TSBus	0327000C	Flow velocity after loading	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA VP base	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA VM base	LN	11692-1	Time averaged peak velocity	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA DcT	LN	20217-6	Deceleration time	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA PHT	LN	20280-4	Pressure half time	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA CFR Vel	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA CFR VP	TSBus	0327000E	VP hyper/VP base	TSBus	3270001	Left Anterior Descending Coronary Artery									
LCA CFR VM	TSBus	0327000F	VM hyper/VM base	TSBus	3270001	Left Anterior Descending Coronary Artery									

Table 8.1-37
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED SR SOP INSTANCES FOR VASCULAR ULTRASOUND REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125100	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Vascular Ultrasound Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
Template Identifier	(0040,DB00)	CS	5100	ALWAYS	AUTO
Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO

>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121033	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8867-4	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Heart Rate. SR Document content Module may have multiple measurement results, at that case, the heart rate value is set for the last measurement.	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	“{H.B.}/min”	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Heart beat per minute	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	F-008EC	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Systolic Blood Pressure	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO

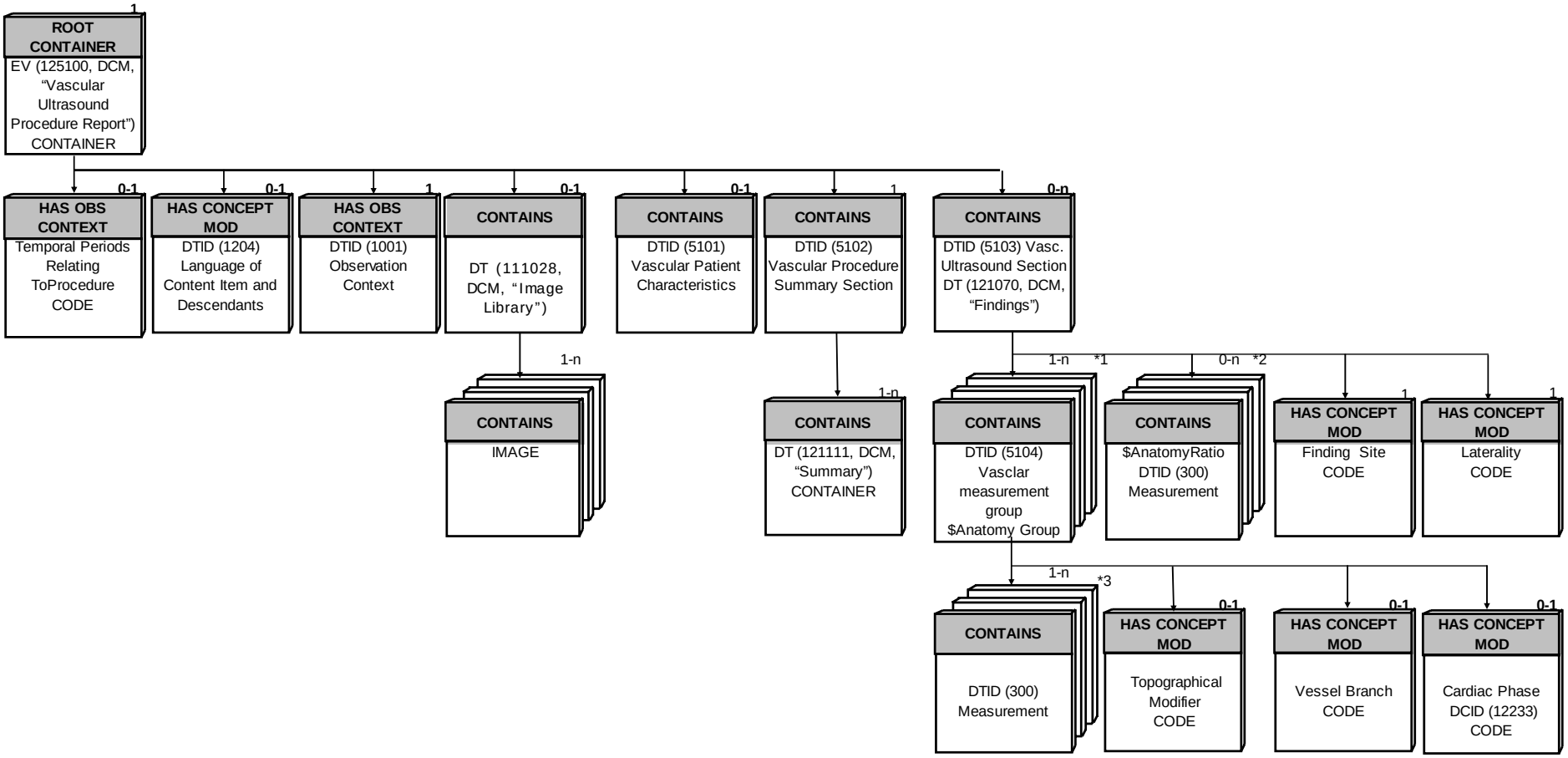
>>>>Code value	(0008,0100)	SH	mm[Hg]	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“mmHg”	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	F-008ED	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Diastolic Blood Pressure	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	mm[Hg]	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“mmHg”	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	111028	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121111	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Summary	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121106	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Comment	ALWAYS	AUTO
>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO

>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121070	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Findings	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**: SRT / T-45005 / Artery of Neck	ALWAYS	AUTO
>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	SRT / T-47020 / Artery Of Upper Extremit	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	33868-1	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	I CA/CCA velocity ratio	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	%	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“percent”	ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	G-C171	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Laterality	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**: SRT / G-A100 / Right	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO

>>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT / T-45100 / Common Carotid Artery	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	SRT / T-45200 / External Carotid Artery SRT / T-45300 / Internal Carotid Artery SRT / T-45700 / Vertebral Artery SRT / T-46100 / Subclavian Artery SRT / T-46010 / Innomina	ALWAYS	AUTO
>>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	G-A1F8	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Topographical Modifier	ALWAYS	AUTO
>>>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	SRT / G-A118 / Proximal	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	SRT / G-A119 / Distal SRT / G-A188 / Mid-longi	ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	125101	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Vessel branch	ALWAYS	AUTO
>>>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	SRT / G-A100 / Right	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	R-4089A	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Cardiac Cycle Point	ALWAYS	AUTO
>>>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO

>>>>Code value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean** DCM / 109070 / End Systole SRT / F-32011 / End Diastole	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO

TID 5100 - Vascular Ultrasound Report



*1 DTID (5104) DTID (5104) Vasclar measurement group $Anatomy Group may be multiple depending on Anatomy
*2 DT $AnatomyRatio DTID (300) Measurement may be multiple depending on the toshiba mesurement method.
*3 DTID (300) Measurement may be multiple depending on the number of measurement items.

Figure 8.1-2 Vascular Ultrasound Report

List 8.1-22 Carotid-1 Measurement

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Rt_CCA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_prox_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_prox_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_prox_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			

(List 8.1-22 Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Rt_VertA_prox_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_StenoA_Residual	TSBus	0321000A	Residual Area Stenosis	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_prox_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_prox_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_FlowVol_prox	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
Lt_ICA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_mid_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_mid_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_mid_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Rt_SubcA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_StenoA_Residual	TSBus	0321000A	Residual Area Stenosis	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_mid_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_SubcA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
B_Lt_SubcA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
B_Rt_InnomA_mid_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_FlowVol_mid	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
B_Rt_CCA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Lt_ECA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_Area	SNM3	G-A166	Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_dist_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_dist_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_dist_StenoA	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ICA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_ECA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_VertA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_dist_IMT	TSBus	03210003	intima-media complex thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Rt_CCA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_dist_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_FlowVol_dist	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_CCA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_CCA_prox_VelTrace Vmax	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ICA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Rt_ICA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ICA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ECA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ECA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_VertA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_prox_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_prox_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_VertA_prox_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_prox_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_prox_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_prox_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_prox_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_prox_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_prox_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_prox_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_prox_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_prox_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_prox_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Lt_CCA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_prox_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_prox_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_prox_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_prox_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ICA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_ECA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_VertA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_SDRatio_prox	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_CCA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_CCA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ICA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Rt_ICA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ICA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ECA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ECA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_VertA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_VertA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Lt_VertA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_SubcA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_SubcA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_SubcA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_SubcA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_SubcA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_SubcA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Rt_SubcA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Rt_SubcA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Rt_SubcA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_SubcA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Rt_SubcA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_SubcA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Rt_SubcA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Lt_SubcA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_SubcA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_SubcA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_SubcA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_SubcA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_SubcA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Lt_SubcA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Lt_SubcA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Lt_SubcA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_SubcA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Lt_SubcA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_SubcA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Lt_SubcA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Rt_InnomA_mid_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_InnomA_mid_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_InnomA_mid_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_InnomA_mid_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_InnomA_mid_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_InnomA_mid_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_InnomA_mid_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_InnomA_mid_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_InnomA_mid_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_InnomA_mid_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_InnomA_mid_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_InnomA_mid_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_InnomA_mid_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_CCA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_SubcA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_SubcA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Lt_SubcA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_SubcA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Rt_InnomA_mid_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_InnomA_mid_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_CCA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			

(List 8.1-22Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Rt_ICA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_SubcA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_SubcA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
D_Lt_SubcA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_SubcA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
D_Rt_InnomA_mid_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_InnomA_mid_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
Rt_CCA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ICA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_ECA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_VertA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_SubcA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right			
Lt_SubcA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left			
Rt_InnomA_SDRatio_mid	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-47020	Artery Of Upper Extremity	SRT	G-A100	Right	SRT	T-46010	Innominate artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_dist_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_CCA_dist_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_dist_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_dist_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_dist_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_dist_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_dist_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_dist_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_dist_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_dist_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_CCA_dist_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_dist_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_dist_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_dist_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_dist_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_dist_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_dist_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_dist_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_dist_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_dist_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_dist_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_dist_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_dist_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ICA_dist_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_dist_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_dist_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_dist_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_dist_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_dist_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_dist_VelTrace Fmax	TSBus	03210007	Peak systole frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_dist_VelTrace Fmin	TSBus	03210006	Minimum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_dist_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_dist_VelTrace Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_dist_VelTrace Fmean	TSBus	0321000E	Time-averaged frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_dist_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole

(List 8.1-22Continued. Please notice following Labels may have different modifiers from the others during this measurement)

Label Toshiba Measurements Identifier	TID (5103) VASCULAR ULTRASOUND SECTION $Measurement			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch		
Rt_ICAtoCCAVmaxVelTraceRatio_prox (same as prox_prox)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_prox (same as prox_prox)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelTraceRatio_prox_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_prox_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_prox_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_prox_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_prox_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_prox_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_prox (same as prox_prox)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_prox (same as prox_prox)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_prox_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_prox_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_prox_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_prox_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_prox_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_prox_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelTraceRatio_mid (same as mid_mid)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_mid (same as mid_mid)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelTraceRatio_mid_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_mid_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_mid_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_mid_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_mid_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_mid_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_mid (same as mid_mid)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_mid (same as mid_mid)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_mid_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_mid_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_mid_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_mid_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_mid_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_mid_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelTraceRatio_dist (same as dist_dist)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_dist (same as dist_dist)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelTraceRatio_dist_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_dist_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVmaxVelTraceRatio_dist_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio_dist_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_dist_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVmaxVelTraceRatio_dist_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_dist (same as dist_dist)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_dist (same as dist_dist)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio_dist_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_dist_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Rt_ICAtoCCAVedVelTraceRatio_dist_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio_dist_prox	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_dist_mid	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Lt_ICAtoCCAVedVelTraceRatio_dist_dist	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left

List 8.1-23 Carotid-2 Measurement

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
B_Rt_CCA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_IMT1	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_IMT2	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_IMT3	TSBus	03210003	intima-media complex thickness	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_Diam	SNM3	M-02550	Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_StenoD_Lumen	SRT	G-0364	Vessel Lumen Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_StenoD_Residual	TSBus	0321000B	Vessel Residual Diameter	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_StenoA_Lumen	SRT	G-0366	Vessel Lumen Cross-Sectional Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
B_Rt_CCA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
B_Lt_CCA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
B_Rt_ECA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
B_Lt_ECA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
B_Rt_ICA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
B_Lt_ICA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
B_Rt_VertA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
B_Lt_VertA_StenoA_Residual	TSBus	0321000A	Vessel Residual Area	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			

(List 8.1-23Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
Rt_VertA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_IMT	TSBus	03210003	Intima-media complex Thickness	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_StenoA	TSBus	03210000	Stenosis Area	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_CCA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Rt_CCA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_CCA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Lt_CCA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ECA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Rt_ECA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ECA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Lt_ECA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_ICA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			

(List 8.1-23 Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Rt_ICA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Rt_ICA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_ICA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Lt_ICA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32010	Diastole
D_Rt_VertA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Rt_VertA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_VelTrace Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_VelTrace Fmax	TSBus	03210004	Maximum frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace Vmin	LN	11665-7	Minimum Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32010	Diastole
D_Lt_VertA_VelTrace Fmin	TSBus	03210005	Minimum Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace Ved	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_VelTrace Fed	TSBus	03210002	Frequency at end diastole	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_VelTrace Vmean	LN	20352-1	Mean Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace Fmean	TSBus	03210005	Mean Frequemcy	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace PI (Ved)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_VelTrace RI (Ved)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_VelTrace PI (Vmin)	LN	12008-9	Pulsatility Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace RI (Vmin)	LN	12023-8	Resistivity Index	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Lt_VertA_VelTrace S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_CCA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_CCA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ECA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ECA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
D_Rt_ICA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_ICA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_ICA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	DCM	109070	End Systole
D_Rt_VertA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_Vps PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	DCM	109070	End Systole
D_Lt_VertA_Vps PS Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
D_Rt_CCA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_CCA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
D_Lt_CCA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_CCA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
D_Rt_ECA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ECA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
D_Lt_ECA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ECA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			

(List 8.1-23Continued)

Label Toshiba Measurements Identifier	TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Measurement			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $Derivation			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP $AnatomyGroup			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Cardiac Phase		
D_Rt_ICA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_ICA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
D_Lt_ICA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_ICA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
D_Rt_VertA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	F-32011	End Diastole
D_Rt_VertA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
D_Lt_VertA_Ved ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	F-32011	End Diastole
D_Lt_VertA_Ved ED Freq	TSBus	03210001	Frequency	SRT	R-41D41	Measured	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_SDRatio	LN	12144-2	Systolic to Diastolic Velocity Ratio	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_FlowVol	TSBus	0321000F	flow volume	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_StenoD_Dist	SRT	R-101BB	Lumen Diameter Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			
Rt_CCA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right			
Lt_CCA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left			
Rt_ECA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right			
Lt_ECA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left			
Rt_ICA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right			
Lt_ICA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left			
Rt_VertA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right			
Lt_VertA_StenoD_Area	SRT	R-101BA	Lumen Area Stenosis	SRT	R-41D2D	Calculated	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left			

(List 8.1-23 Continued. Please notice following Labels may have different modifiers from the others during this measurement)

Label Toshiba Measurements Identifier	TID (5103) VASCULAR ULTRASOUND SECTION $Measurement			TID (5103) VASCULAR ULTRASOUND SECTION Finding Site			TID (5103) VASCULAR ULTRASOUND SECTION TID (300) Measurement Laterality			TID (5104) VASCULAR ULTRASOUND MEASUREMENT GROUP Vessel Branch		
Rt_ICAtoCCAVmaxVelTraceRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelTraceRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelTraceRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelTraceRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVmaxVelocityRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVmaxVelocityRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left
Rt_ICAtoCCAVedVelocityRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A100	Right	SRT	G-A100	Right
Lt_ICAtoCCAVedVelocityRatio	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of Neck	SRT	G-A101	Left	SRT	G-A101	Left

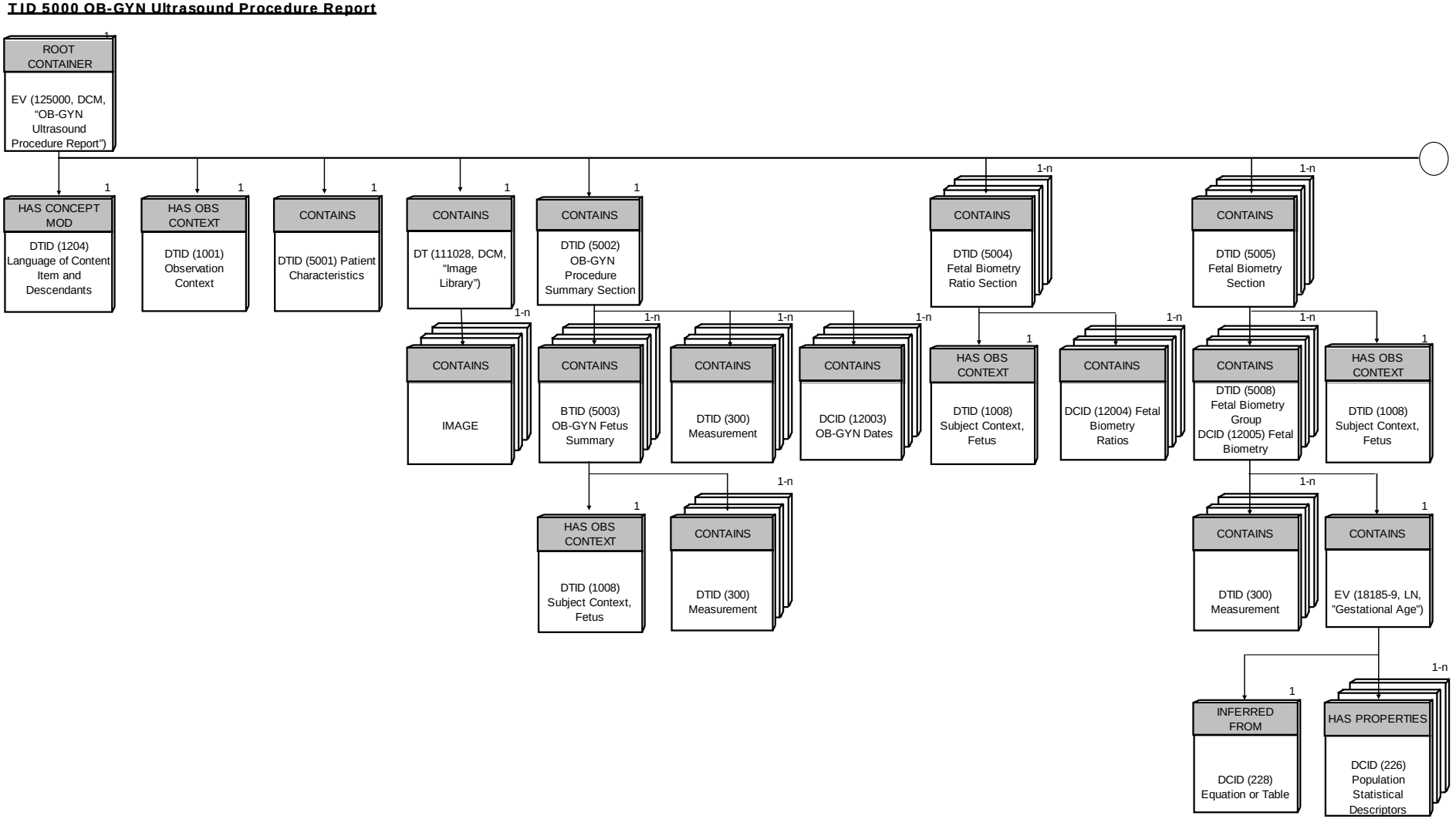
Table 8.1-38
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED SR SOP INSTANCES FOR OB-GYN ULTRASOUND PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	125000	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	OB-GYN Ultrasound Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	5000	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639_2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A160)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121006	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Person	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	TEXT	ALWAYS	AUTO

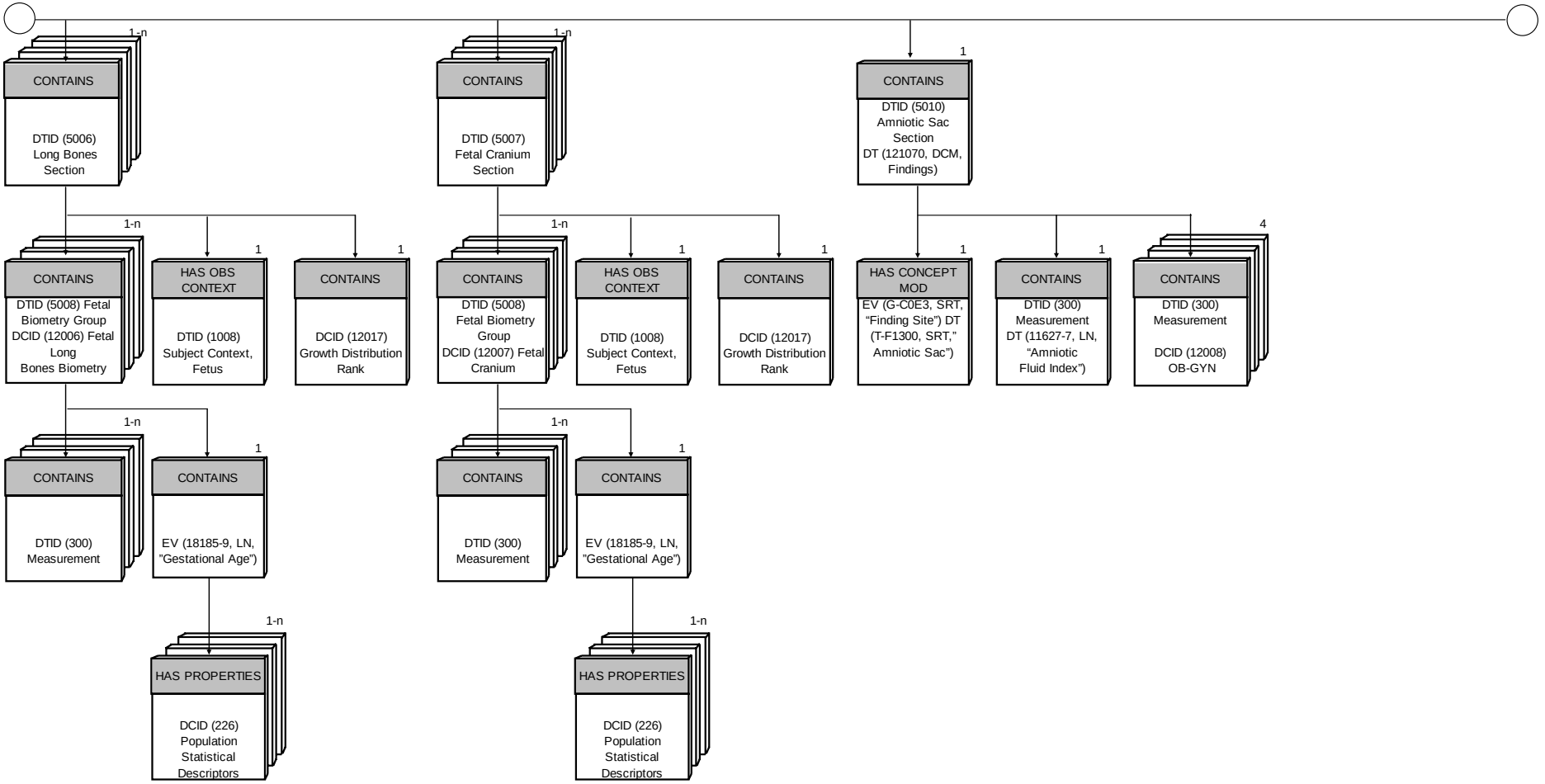
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121106	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Comment	ALWAYS	AUTO
>>Text Value	(0040,A160)	UT		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8302-2	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Patient Height	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	29463-7	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Patient Weight	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	111028	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO

<table>
<tr><td>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td colspan="4">Cd.Dsgn | Cd.Vlu | Cd.Mean | Concept Name</td></tr>
<tr><td>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td colspan="4">DCM | 121111 | Summary | DTID 5002</td></tr>
<tr><td rowspan="8">>>Code Meaning</td><td rowspan="8">(0008,0104)</td><td rowspan="8">LO</td><td colspan="4">DCM | 125001 | Fetal Biometry Ratios | DTID 5004</td></tr>
<tr><td colspan="4">DCM | 125002 | Fetal Biometry | DTID 5005</td></tr>
<tr><td colspan="4">DCM | 125003 | Fetal Long Bones | DTID 5006</td></tr>
<tr><td colspan="4">DCM | 125004 | Fetal Cranium | DTID 5007</td></tr>
<tr><td colspan="4">DCM | 121070 | Findings | DTID 5010
DTID 5025
DTID 5026</td></tr>
<tr><td colspan="4">DCM | 125009 | Early Gestation | DTID 5011</td></tr>
<tr><td colspan="4">DCM | 125011 | Pelvis and Uterus | DTID 5015</td></tr>
<tr><td>>Continuity of Content</td><td>(0040, A050)</td><td>CS</td><td colspan="2">SEPARATE</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>Content Sequence</td><td>(0040,A730)</td><td>SQ</td><td colspan="2"></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Relationship Type</td><td>(0040,A010)</td><td>CS</td><td colspan="2">HAS CONCEPT MOD</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Value Type</td><td>(0040,A040)</td><td>CS</td><td colspan="2">CODE</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Concept Name Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td colspan="2"></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td colspan="2">G-C0E3</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td colspan="2">SRT</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Meaning</td><td>(0008,0104)</td><td>LO</td><td colspan="2">Finding Site</td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>Concept Code Sequence</td><td>(0040,A043)</td><td>SQ</td><td colspan="2"></td><td>ALWAYS</td><td>AUTO</td></tr>
<tr><td>>>>Code Value</td><td>(0008,0100)</td><td>SH</td><td colspan="4">Cd.Dsgn | Cd.Vlu | Cd.Mean | Concept Name</td></tr>
<tr><td>>>>Coding Scheme Designator</td><td>(0008,0102)</td><td>SH</td><td colspan="4">SRT | T-F1300 | Amniotic Sac | DTID 5010</td></tr>
<tr><td rowspan="2">>>>Code Meaning</td><td rowspan="2">(0008,0104)</td><td rowspan="2">LO</td><td colspan="4">SRT | T-F6800 | Embryonic Vascular Structure | DTID 5025</td></tr>
<tr><td colspan="4">SRT | T-D6007 | Pelvic Vascular Structure | DTID 5026</td></tr>
<tr><td colspan="7">Child Containers are continuing depending on Concept DTID.</td></tr>
</table>

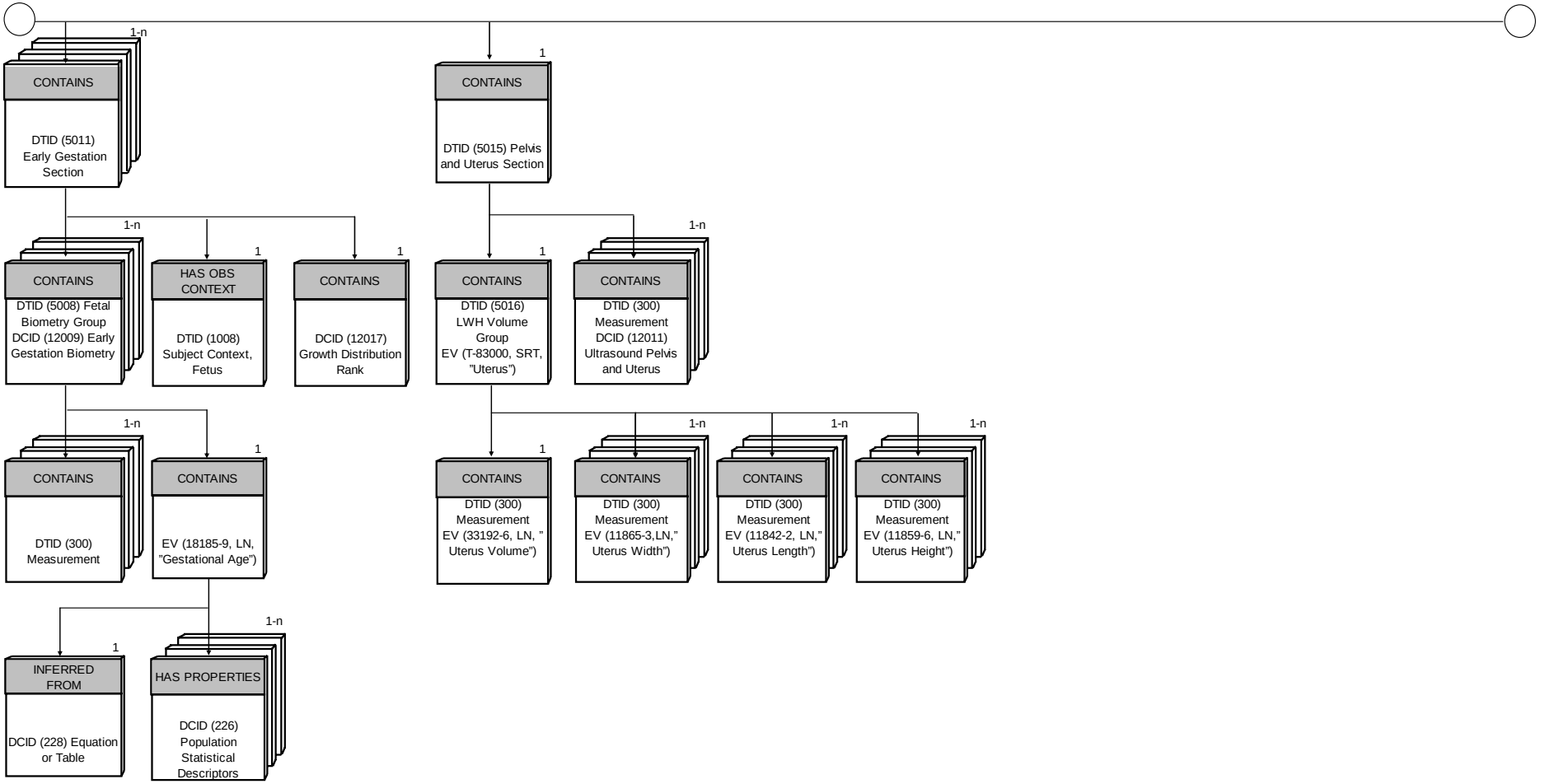
Figure 8.1-3 OB-GYN Ultrasound Procedure Report



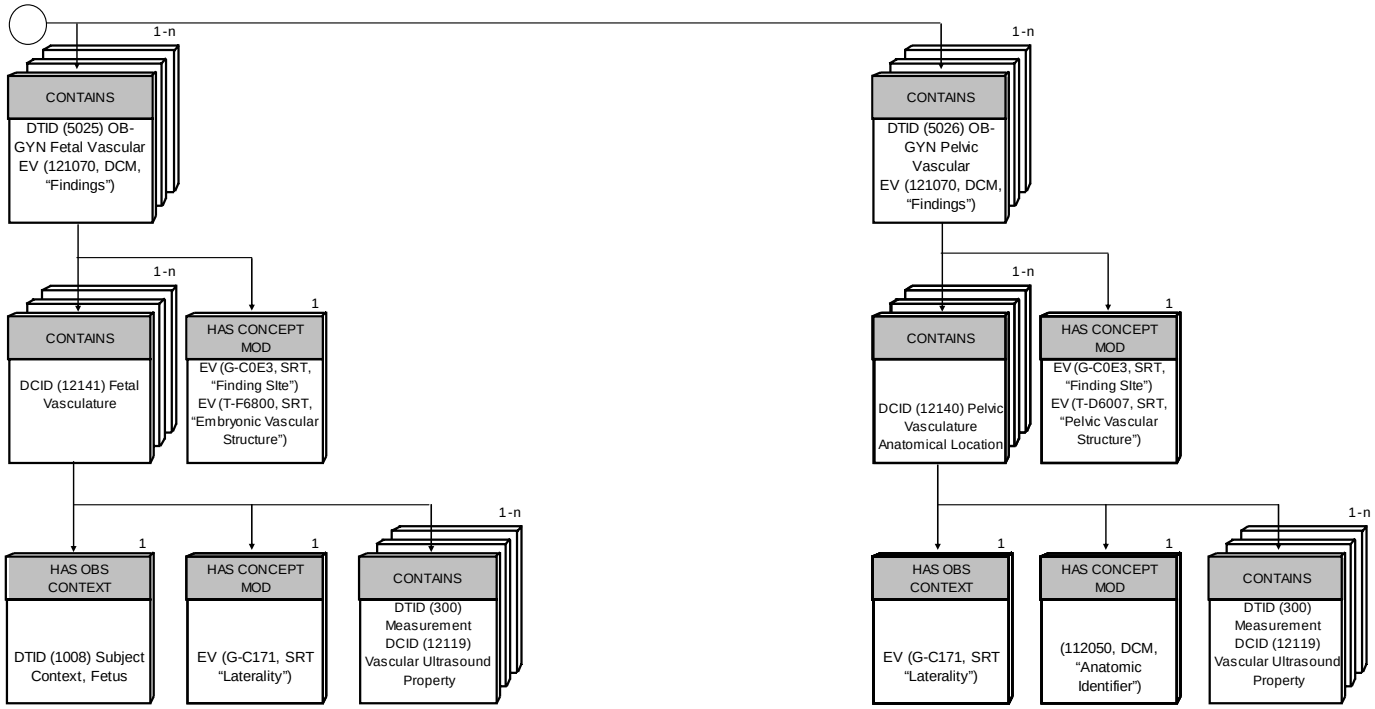
(Figure 8.1-3 Continued)



(Figure 8.1-3 Continued)



(Figure 8.1-3 Continued)



List 8.1-24

Label Toshiba Measurements Identifier		TID 5011 Early Gestation Section													
		TID 5008 Fetal Biometry Group $Measurement = Early Gestation Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Early Gestation Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
	GESTATIONAL_SAC_DIAMETER	LN	11850-5	Gestational Sac Diameter										
GS	GSD_GESTATIONAL_AGE	LN	18185-9	Gestational Age					LN	33108-2	GS, Tokyo 1986			
									LN	11928-9	GS, Hellman 1969			
									LN	11929-7	GS, Rempen 1991			
	GsdGa_SD											DCM	121414	Standard deviation of population

List 8.1-25

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section													
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
	BIPARIETAL_DIAMETER	LN	11820-8	Biparietal Diameter										
BPD	BPD_GESTATIONAL_AGE	LN	18185-9	Gestational Age					LN	33085-2	BPD, Tokyo 1986			
									TSBus	03510054	BPD, TokyoSD 1986			
									LN	33082-9	BPD, Osaka 1989			
									TSBus	03510033	BPD, JSUM			
									TSBus	03510055	BPD, JSUMSD			
									LN	11902-4	BPD, Hadlock 1984			
									TSBus	03510011	BPD, HadlockPerc			
									LN	11906-5	BPD, Kurtz 1980			
									LN	11907-3	BPD, Sabbagha 1978			
									LN	33081-1	BPD, Mertz 1988			
									LN	33538-0	BPD, Hansmann 1986			
									LN	33083-7	BPD, Rempen 1991			
									LN	33087-8	BPD-oo, Chitty 1997			
									LN	33086-0	BPD-oi, Chitty 1997			
									TSBus	03510012	BPD-oo, ChittyPerc			
									TSBus	03510013	BPD-oi, ChittyPerc			
									TSBus	03510031	BPD, ASUM 1990			
									TSBus	03510032	BPD, ASUM 2001			
									TSBus	03510036	BPD,CFEF 2000			
									TSBus	03510014	BPD,CFEFPERC			
									LN	33539-8	BPD, Jeanty 1982			
									TSBus	03510035	BPD, Shepard			
									TSBus	03510034	BPD, Licolaides 1994			
	BpdGa_SD											DCM	121414	Standard deviation of population

List 8.1-26

Label Toshiba Measurements Identifier		TID 5011 Early Gestation Section													
		TID 5008 Fetal Biometry Group $Measurement = Early Gestation Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Early Gestation Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
	CROWN_RUMP_LENGTH	LN	11957-8	Crown Rump Length										
CRL	CRL_GESTATIONAL_AGE	LN	18185-9	Gestational Age					LN	33096-9	CRL, Tokyo 1986			
									LN	33093-6	CRL, Osaka 1989			
									TSBus	0351003A	CRL, JSUM			
									LN	11910-7	CRL, Hadlock 1992			
									LN	11914-9	CRL, Robinson 1975			
									LN	33094-4	CRL, Rempen 1991			
									TSBus	03510010	CRL, BMUS			
									LN	33540-6	CRL, Hansmann 1986			
									LN	33089-4	CRL, ASUM 1991			
									LN	33090-2	CRL, ASUM 2000			
									LN	11917-2	CRL, Jeanty 1984			
									LN	11913-1	CRL, Nelson 1981			
	CrlGa_SD											DCM	121414	Standard deviation of population

List 8.1-27

Label Toshiba Measurements Identifier		TID 5011 Early Gestation Section													
		TID 5008 Fetal Biometry Group $Measurement = Early Gestation Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Early Gestation Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
York Sac	YOLK_SAC	LN	11816-6	Yolk Sac length										

List 8.1-28

Label Toshiba Measurements Identifier		TID 5011 Early Gestation Section													
		TID 5008 Fetal Biometry Group $Measurement = Early Gestation Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Early Gestation Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
NT	NUCHAL_THICK	LN	33069-6	Nuchal Translucency										

List 8.1-29

Label Toshiba Measurements Identifier		TID 5010 Amniotic Sac Section						
		Amniotic Fluid Index			OB-GYN Amniotic Sac		
		[Amniotic Fluid Index]			[Amniotic Sac]		
AFP	AMNIOTIC_FLUID_POCKET				SRT	M-02550	Diameter
AFI	AMNIOTIC_FLUID_INDEX	LN	11627-7	Amniotic Fluid Index			
	Q1				LN	11624-4	First Quadrant Diameter
	Q2				LN	11626-9	Second Quadrant Diameter
	Q3				LN	11625-1	Third Quadrant Diameter
	Q4				LN	11623-6	Fourth Quadrant Diameter

List 8.1-30

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section											
		OB-GYN Dates			$Measurement			TID 5003 OB-GYN Fetus Summary					
								$Measurement			$Equation		
		[Dates]			[Summary]			[Fetus Summary]			[Equations]		
LMP	LmpEntered	LN	11955-2	LMP									

List 8.1-31

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section											
		OB-GYN Dates			$Measurement			TID 5003 OB-GYN Fetus Summary					
								$Measurement			$Equation		
		[Dates]			[Summary]			[Fetus Summary]			[Equations]		
U/S GA	U/S GA										LN	11884-4	Average Ultrasound Age

List 8.1-32

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section												
		OB-GYN Dates			$Measurement			TID 5003 OB-GYN Fetus Summary						
								$Measurement			$Equation			
		[Dates]			[Summary]			[Fetus Summary]			[Equations]			
EDD	EDD	LN	11778-8	EDD										

List 8.1-33

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Nasal bone	NASAL_BONE	SRT	T-11149	Nasal bone									

List 8.1-34

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
APTD	ANTEROPOSTERO_TRUNK_DIAMETER	LN	11818-2	Anterior-Posterior Abdominal Diameter									
	APTD_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510023	APTD_GESTATIONAL_AGE			
	AptdGa_SD										DCM	121414	Standard deviation of population

List 8.1-35

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	ABDOMINAL_CIRCUMFERENCE	LN	11979-2	Abdominal Circumference									
AC	AC_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351002F	AC, Tokyo 1996			
								TSBus	03510056	AC, TokyoSD 1996			
								TSBus	0351002C	AC, Jsum 2003			
								TSBus	03510057	AC, JsumSD 2003			
								LN	11893-5	AC, Jeanty 1984			
								LN	11892-7	AC, Hadlock 1984			
								TSBus	0351001C	AC, HadlockPerc			
								LN	33075-3	AC, Mertz 1988			
								TSBus	0351002B	AC, Deter 1982			
								TSBus	0351002A	AC, Chitty Pltd			
								TSBus	03510029	AC, Chitty Drvd			
								TSBus	0351001D	AC, ChittyPerc Pltd			
								TSBus	0351001E	AC, ChittyPerc Drvd			
								TSBus	03510026	AC, ASUM V1			
								TSBus	03510027	AC, Asum2001			
								TSBus	03510028	AC, CFEF			
								TSBus	0351001F	AC, CFEFPERC			
								TSBus	0351002E	AC, Shepard			
								LN	11889-3	AC, Campbell 1975			
								TSBus	0351002D	AC, Nicolaides			
	AcGa_SD										DCM	121414	Standard deviation of population

List 8.1-36

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	TRANSVERSE_TRUNK_DIAMETER	LN	11864-6	Transverse Thoracic Diameter									
TTD	TTD_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510024	TTD_GESTATIONAL_AGE			
	TtdGa_SD										DCM	121414	Standard deviation of population

List 8.1-37

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	FEMUR_LENGTH	LN	11964-4	Fibula length									
FL	FL_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	33103-3	FL, Tokyo 1986			
								TSBus	03510058	FL, TokyoSD 1986			
								LN	33101-7	FL, Osaka 1989			
								TSBus	03510042	FL, JSUM			
								TSBus	03510059	FL, JSUMSD			
								LN	11920-6	FL, Hadlock 1984			
								TSBus	03510015	HC, HadlockPerc			
								LN	11923-0	FL, Jeanty 1984			
								TSBus	0351003E	FL, Merz 1991			
								LN	33541-4	FL, Hansmann 1986			
								TSBus	03510040	FL, O-Brien			
								TSBus	03510041	FL, Warda 1985			
								LN	33098-5	FL, Chitty 1997			
								TSBus	03510016	FL, ChittyPerc			
								TSBus	0351003C	FL, ASUM V1			
								TSBus	0351003B	FL, Asum 2001			
								TSBus	0351003D	FL, CFEF			
								TSBus	03510017	FL, CFEFPERC			
								LN	11922-2	FL, Hohler 1982			
								TSBus	0351003F	FL, Nicolaides			
	FlGa_SD										DCM	121414	Standard deviation of population

List 8.1-38

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	AXT_AREA	TSBus	03330002	AXTArea									
AXT	AXT_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351000D	GA by AxT			
	AxTGa_SD										DCM	121414	Standard deviation of population

List 8.1-39

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
FTA	FTA_AREA	LN	33068-8	Thoracic Area									
	FTA_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989			
	FtaGa_SD										DCM	121414	Standard deviation of population

List 8.1-40

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
HL	HUMERUS_LENGTH	LN	11966-9	Humerus length									
	HL_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11936-2	Humerus, Jeanty 1984			
								LN	11937-0	Humerus, Merz 1987			
								LN	33116-5	Humerus Length, ASUM 2000			
								TSBus	03510021	Humerus, Chitty			
	HlGa_SD										DCM	121414	Standard deviation of population

List 8.1-41

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Radius	RADIUS	LN	11967-7	Radius length									
	RADIUS_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11939-6	Radius, Merz 1987			
								TSBus	0351005A	RADIUS, Chitty			
	RadiusGa_SD										DCM	121414	Standard deviation of population

List 8.1-42

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Ulna	ULNA_LENGTH	LN	11969-3	Ulna length									
	UL_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11944-6	Ulna, Jeanty 1984			
								LN	11945-3	Ulna, Merz 1987			
								TSBus	03510022	Ulna, Chitty			
	UlGa_SD										DCM	121414	Standard deviation of population

List 8.1-43

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Tibia	TIBIA_LENGTH	LN	11968-5	Tibia length									
	TL_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11941-2	Tibia, Jeanty 1984			
								TSBus	03510049	TL, Merz			
								TSBus	03510023	TL, Chitty			
	TIGa_SD										DCM	121414	Standard deviation of population

List 8.1-44

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Long Bones Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Fibula	FIBULA_LENGTH	LN	11964-4	Fibula length									
	FIBULA_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11918-0	Fibula, Merz 1987			
	FibulaGa_SD										DCM	121414	Standard deviation of population

List 8.1-45

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
Thoracic diameter	THORACIC_DIAMETER	LN	11864-6	Transverse Thoracic Diameter									
	THD_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	33129-8	TAD Hansmann, 1979			
	ThdGa_SD										DCM	121414	Standard deviation of population

List 8.1-46

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
APAD	ANTERIOR_POSTERIOR_ABDOMINAL_DIAMETER	LN	11818-2	Anterior-Posterior Abdominal Diameter									
	APAD_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351000C	GA APAD Merz			
	ApadGa_SD										DCM	121414	Standard deviation of population

List 8.1-47

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
TAD	TRANSABDOMINAL_DIAMETER	LN	11862-0	Tranverse Abdominal Diameter									
	TAD_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510048	TAD, Merz			
								TSBus	03510047	TAD, CFEF			
								TSBus	03510020	TAD, CFEFPERC			
	TadGa_SD										DCM	121414	Standard deviation of population

List 8.1-48

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	CEREBELLUM	LN	11863-8	Trans Cerebellar Diameter									
CER	CER_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510037	CER, Goldstein			
								TSBus	03510038	CER, Hill			
								TSBus	03510039	CER, Nicolaides			
	CerGa_SD										DCM	121414	Standard deviation of population

List 8.1-49

Label Toshiba Measurements Identifier		TID 5007 Fetal Cranium Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Cranium or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Cranium]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	BINOCULAR_DISTANCE	LN	11629-3	Outer Orbital Diameter									
OOD	BN_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351005B	OOD, Jeanty			
								LN	33124-9	OOD, Mayden, 1982			
	BnGa_SD										DCM	121414	Standard deviation of population

List 8.1-50

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	HEAD_AREA	TSBUs	03310000	Head Area									
HA	HA_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351001C	GA HA Chitty			
	HaGa_SD										DCM	121414	Standard deviation of population

List 8.1-51

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	HEAD_CIRCUMFERENCE	LN	11984-2	Head Circumference									
HC	HC_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	33115-7	HC Merz, 1988			
								LN	11932-1	HC, Hadlock 1984			
								TSBus	03510018	HC, HadlockPerc			
								LN	33543-0	HC, Hansmann 1986			
								LN	33110-8	HC measured, Chitty 1997			
								LN	33111-6	HC derived, Chitty 1997			
								TSBus	03510019	HC measured, ChittyPerc			
								TSBus	0351001A	HC derived, ChittyPerc			
								LN	33109-0	HC, ASUM 2000			
								LN	33109-0	HC, ASUM 2000			
								TSBus	03510043	HC, CFEF			
								TSBus	0351001B	HC, CFEFPERC			
								LN	11934-7	HC, Jeanty 1984			
	HcGa_SD										DCM	121414	Standard deviation of population

List 8.1-52

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	ABDOMINAL_AREA	TSBUs	03310001	Abdominal Area									
AA	AA_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351000B	GA AA Chitty			
	AaGa_SD										DCM	121414	Standard deviation of population

List 8.1-53

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section											
		OB-GYN Dates		$Measurement			TID 5003 OB-GYN Fetus Summary						
							$Measurement			$Equation			
		[Dates]		[Summary]			[Fetus Summary]			[Equations]			
FHR	FHR						LN	11948-7	Fetal Heart Rate				

List 8.1-54

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
CTAR Area A	CTAR A	TSBus	03310003	Cardiac Area									
CTAR Area B	CTAR B	LN	33068-8	Thoracic Area									
CARD-Axis	CARD-Axis	TSBus	03310004	Cardiac Axis									
CTAR	CTAR	TSBus	03310005	Cardiothoracic area ratio									

List 8.1-55

Label Toshiba Measurements Identifier		TID 5004 Fetal Biometry Ratio Section		
		[Biometry Ratios]		
CI	CEPHALIC_INDEX	LN	11823-2	Cephalic Index

List 8.1-56

Label Toshiba Measurements Identifier		TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group											
		$AnatomyGroup			Laterality			$Measurement			$Derivation		
Umb VD	UMBILICAL_VEIN_DIAMETER	SRT	T-F1820	Umbilical Vein				TSBus	03330003	Umbilical Vein Diameter			

List 8.1-57

Label Toshiba Measurements Identifier		TID 5015 Pelvis and Uterus Section								
		TID 5016 LWH Volume Group								
		$Measurement			$Measurement			$Derivation		
Cervix Len	CERVIX_LENGTH				LN	11961-0	Cervix Length			

List 8.1-58

Label Toshiba Measurements Identifier		TID 5007 Fetal Cranium Section										
		TID 5008 Fetal Biometry Group $Measurement = Fetal Cranium or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
Cist. Magna	CISTERNA_MAGNA	LN	11860-4	Cisterna Magna length								

List 8.1-59

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section										
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
Ocular D	OCULAR_DIAMETER	TSBus	03330001	Occular Diameter								

List 8.1-60

Label Toshiba Measurements Identifier		TID 5006 Fetal Long Bones Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Long Bones Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
Clavicle	CLAVICLE	LN	11962-8	Clavicle length										
	CLAVICLE_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	33088-6	Clavical length,Yarkoni 1985				
	ClavGa_SD										DCM	121414	Standard deviation of population	

List 8.1-61

Label Toshiba Measurements Identifier		TID 5007 Fetal Cranium Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Cranium or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
Va	Va	TSBus	03330004	Cerebral Anterior Ventricle diameter										
	VA_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510020	TCD, Nicolaides				
	VaGa_SD										DCM	121414	Standard deviation of population	

List 8.1-62

Label Toshiba Measurements Identifier		TID 5007 Fetal Cranium Section												
		TID 5008 Fetal Biometry Group $Measurement = Fetal Cranium or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
Vp	Vp	TSBus	03330005	Cerebral Posterior Ventricle diameter										
	VP_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510020	TCD, Nicolaides				
	VpGa_SD										DCM	121414	Standard deviation of population	

List 8.1-63

Label Toshiba Measurements Identifier		TID 5007 Fetal Cranium Section														
		TID 5008 Fetal Biometry Group $Measurement = Fetal Cranium or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
	HEM	TSBus	03330006	Cerebral Hemisphere										
Hem	HEM_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	03510020	TCD, Nicolaides			
	HemGa_SD										DCM	121414	Standard deviation of population

List 8.1-64

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
TC	THORACIC_CIRCUMFERENCE	LN	11988-3	Thoracic Circumference									

List 8.1-65

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
	FOOT	LN	11965-1	Foot length									
Foot	FOOT_GESTATIONAL_AGE	LN	18185-9	Gestational Age				LN	11926-3	Foot Length, Mercer 1987			
	FootGa_SD										DCM	121414	Standard deviation of population

List 8.1-66

Label Toshiba Measurements Identifier		TID 5005 Fetal Biometry Section											
		TID 5008 Fetal Biometry Group $Measurement = Fetal Biometry Measurements or Gestational Age			TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Biometry Meas]			[Derivation]			[Gest. Equations]			[Pop. SD]		
F_KID	FETAL_KIDNEY	TSBus	03330000	Fetal Kidney length									
	F_KID_GESTATIONAL_AGE	LN	18185-9	Gestational Age				TSBus	0351001B	GA Fetal Kidney Bertagnoli			
	F_KidGa_SD										DCM	121414	Standard deviation of population

List 8.1-67

Label Toshiba Measurements Identifier		TID 5004 Fetal Biometry Ratio Section		
		[Biometry Ratios]		
HC/AC	HC_OVER_AC_RATIO	LN	11947-9	HC/AC
FL/BPD	FL_OVER_BPD_RATIO	LN	11872-9	FL/BPD
FL/HC	FL_OVER_HC_RATIO	LN	11873-7	FL/HC
FL/AC	FL_OVER_AC_RATIO	LN	11871-1	FL/AC

List 8.1-68

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section					
		TID 5003 OB-GYN Fetus Summary					
		$Measurement			$Equation		
		[Fetus Summary]			[Equations]		
EFW	EFW_TOKYO_BPD_AXT_FL	LN	11727-5	Estimated Weight	TSBus	03510009	EFW by Bpd, AxT, Fl, Tokyo
	EFW_TOKYOSD_BPD_AXT_FL	LN	11727-5	Estimated Weight	TSBus	03510050	EFW by Bpd, AxT, Fl, TokyoSD
	EFW_JSUM_BPD_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510008	EFW by Bpd, AC, Fl, JSUM
	EFW_JSUMSD_BPD_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510052	EFW by Bpd, AC, Fl, JSUMSD
	EFW_HADLOCK_AC_FL	LN	11727-5	Estimated Weight	LN	11751-5	EFW by AC, FL, Hadlock 1985
	EFW_HADLOCK_BPD_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2
	EFW_SHEPARD_BPD_AC	LN	11727-5	Estimated Weight	LN	11739-0	EFW by AC and BPD, Shepard 1982
	EFW_MERZ_BPD_AC	LN	11727-5	Estimated Weight	TSBus	03510006	EFW by BPD, AC, Merz
	EFW_CAMPBELL_AC	LN	11727-5	Estimated Weight	LN	11756-4	EFW by AC, Campbell 1975
	EFW_MERZ_AC	LN	11727-5	Estimated Weight	TSBus	0351004C	EFW by AC, Merz2
	EFW_JSUM_BPD_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510008	EFW by BPD, AC, FL JSUM
	EFW_HADLOCK_AC_FL	LN	11727-5	Estimated Weight	LN	11751-5	EFW by AC, FL, Hadlock 1985
	EFW_HADLOCK_BPD_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510004	EFW by AC, BPD, FL, Hadlock2
	EFW_HADLOCK_HC_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510005	EFW by AC, FL, HC, Hadlock 3
	EFW_HADLOCK_BPD_HC_AC_FL	LN	11727-5	Estimated Weight	TSBus	03510003	EFW by AC, BPD, FL, HC, Hadlock4
	EFW_SHEPARD_BPD_AC	LN	11727-5	Estimated Weight	LN	11739-0	EFW by AC and BPD, Shepard 1982
	EFW_MERZ_BPD_AC	LN	11727-5	Estimated Weight	TSBus	03510006	EFW by BPD, AC Merz
	EFW_CAMPBELL_AC	LN	11727-5	Estimated Weight	LN	11756-4	EFW by AC, Campbell 1975
	EFW_MERZ_AC	LN	11727-5	Estimated Weight	TSBus	0351004C	EFW by AC Merz2
	EFW_HANSMANN_BPD_THD	LN	11727-5	Estimated Weight	TSBus	0351000A	EFW BPD,THD Hansman
	EFW_OSAKA_BPD_FTA_FL	LN	11727-5	Estimated Weight	TSBus	03510018	GA by EFW BPD,FTA,FL OSAKA

List 8.1-69

Label Toshiba Measurements Identifier		TID 5011 Early Gestation Section														
		TID 5008 Fetal Biometry Group $Measurement = Early Gestation Biometry Measurements or Gestational Age				TID 5008 Fetal Biometry Group $Derivation			TID 5008 Fetal Biometry Group Equation or Table			Population Statistical Descriptors		
		[Early Gestation Biometry Meas]				[Derivation]			[Gest. Equations]			[Pop. SD]		
GA	EFW_GA_TOKYO	LN	18185-9	Gestational Age				TSBus	03510019	GA by EFW by Bpd, AxT, Fl, Tokyo			
	EFW_GA_TOKYOSD	LN	18185-9	Gestational Age				TSBus	03510051	GA by EFW by Bpd, AxT, Fl, TokyoSD			
	EFW_GA_JSUM	LN	18185-9	Gestational Age				TSBus	03510017	GA by EFW Bpd, AC, Fl, JSUM			
	EFW_GA_JSUMSD	LN	18185-9	Gestational Age				TSBus	03510053	GA by EFW Bpd, AC, Fl, JSUMSD			
	EFW_GA_HAD1	LN	18185-9	Gestational Age				TSBus	03510014	GA by EFW AC FL, Hadlock 1985			
	EFW_GA_HAD2	LN	18185-9	Gestational Age				TSBus	03510014	GA by EFW AC, BPD, FL, Hadlock2			
	EFW_GA_SHEPARD	LN	18185-9	Gestational Age				TSBus	03510011	GA by EFW AC, BPD, Shepard 1982			
	EFW_GA_MERZ	LN	18185-9	Gestational Age				TSBus	03510016	GA by EFW BPD,AC Merz			
	EFW_GA_CAMPBELL	LN	18185-9	Gestational Age				TSBus	0351000E	GA by EFW AC, Campbell			
	EFW_GA_MERZ2	LN	18185-9	Gestational Age				TSBus	0351004B	GA by EFW AC Merz2			
	EFW_GA_JSUM	LN	18185-9	Gestational Age				TSBus	03510017	GA by EFW BPD,AC,FL JSUM			
	EFW_GA_HAD1	LN	18185-9	Gestational Age				TSBus	03510014	GA by EFW AC,FL Hadlock 1985			
	EFW_GA_HAD2	LN	18185-9	Gestational Age				TSBus	0351001D	GA Hadlock2			
	EFW_GA_HAD3	LN	18185-9	Gestational Age				TSBus	0351001E	GA Hadlock3			
	EFW_GA_OSAKA	LN	18185-9	Gestational Age				TSBus	03510018	GA by EFW BPD,FTA,FL OSAKA			
	EFW_GA_HAD4	LN	18185-9	Gestational Age				TSBus	0351001F	GA Hadlock4			
	EFW_GA_SHEPARD	LN	18185-9	Gestational Age				TSBus	0351004A	GA by EFW AC and BPD, Shepard 1982			
	EFW_GA_MERZ	LN	18185-9	Gestational Age				TSBus	03510016	GA by EFW BPD, AC Merz			
	EFW_GA_CAMPBELL	LN	18185-9	Gestational Age				TSBus	0351001A	GA Campbell			
	EFW_GA_MERZ2	LN	18185-9	Gestational Age				TSBus	0351004B	GA by EFW AC Merz2			
	EFW_GA_HANSMANN	LN	18185-9	Gestational Age				TSBus	03510020	GA Hansman			
SD	EfwTokyoSDBpdAxtFl_SD										DCM	121414	Standard deviation of population
	EfwTokyoBpdAxtFl_SD										DCM	121414	Standard deviation of population
	EfwTokyoSDBpdAxtFl_SDFunc										DCM	121414	Standard deviation of population
	EfwJsumBpdAcFl_SD										DCM	121414	Standard deviation of population
	EfwJsumSDBpdAcFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockAcFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockBpdAcFl_SD										DCM	121414	Standard deviation of population
	EfwJsumBpdAcFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockAcFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockBpdAcFl_SD										DCM	121414	Standard deviation of population
	EfwOsakaBpdFtaFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockHcAcFl_SD										DCM	121414	Standard deviation of population
	EfwHadlockBpdHcAcFl_SD										DCM	121414	Standard deviation of population

List 8.1-70

Label Toshiba Measurements Identifier		TID 5002 OB-GYN Procedure Summary Section						
		TID 5003 OB-GYN Fetus Summary						
		$Measurement			$Equation			
		[Fetus Summary]			[Equations]			
%tile	WEIGHT_US_PERC_EFW_HADLOCK_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	03510050	WEIGHT_US_PERC_EFW_HADLOCK_AC_FL	
	WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	0351004D	WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL	
	WEIGHT_US_PERC_EFW_HADLOCK_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	03510050	WEIGHT_US_PERC_EFW_HADLOCK_AC_FL	
	WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	0351004D	WEIGHT_US_PERC_EFW_HADLOCK_BPD_AC_FL	
	WEIGHT_US_PERC_EFW_HADLOCK_HC_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	0351004E	WEIGHT_US_PERC_EFW_HADLOCK_HC_AC_FL	
	WEIGHT_US_PERC_EFW_HADLOCK_BPD_HC_AC_FL)	LN	11767-1	EFW percentile rank	TSBus	0351004F	WEIGHT_US_PERC_EFW_HADLOCK_BPD_HC_AC_FL	

Table 8.1-39
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED SR SOP INSTANCES FOR RADIOLOGY PROCEDURE REPORT TEMPLATE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)	SH	03600000	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)	SH	TSBus	ALWAYS	AUTO
>Code Meaning	(0008,0104)	LO	Radiology Procedure Report	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Performed Procedure Concept Name Code Sequence	(0040,A372)	SQ		ALWAYS	AUTO
>Completion Flag	(0040,A491)	SH	COMPLETE	ALWAYS	AUTO
>Verification Flag	(0040,A493)	SH	UNVERIFIED	ALWAYS	AUTO
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	0360	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121049	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Language of Content Item and descendants	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	eng	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	ISO639-2	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	English	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	HAS OBS CONTEXT	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code value	(0008,0100)	SH	121005	ALWAYS	AUTO
>>Coding Scheme designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Observer Type	ALWAYS	AUTO
>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121007	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Device	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO

>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121118	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Patient Characteristics	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121033	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Age	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	121032	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Subject Sex	ALWAYS	AUTO
>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8867-4	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Heart Rate. SR Document content Module may have multiple measurement results, at that case, the heart rate value is set for the last measurement.	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	“{H.B.}/min”	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO

>>>>Code Meaning	(0008,0104)	LO	Heart beat per minute	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH	8277-6	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	Body Surface Area	ALWAYS	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	cm2	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	UCUM	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	“Square centimeter”	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONTAINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	111028	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Image Library	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ		ALWAYS	AUTO
>>>Referenced SOP Class UID	(0008,1150)	UI		ALWAYS	AUTO
>>>Referenced SOP Instance UID	(0008,1155)	UI		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	IMAGE	ALWAYS	AUTO
>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>Value Type	(0040,A040)	CS	CONATINER	ALWAYS	AUTO
>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Code Value	(0008,0100)	SH	121070	ALWAYS	AUTO
>>Coding Scheme Designator	(0008,0102)	SH	DCM	ALWAYS	AUTO
>>Code Meaning	(0008,0104)	LO	Findings	ALWAYS	AUTO
>Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
>Content Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
>>Value Type	(0040,A040)	CS	NUM	ALWAYS	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>Code Value	(0008,0100)	SH		ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH		ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	“Measurement name or description”	ALWAYS	AUTO

>>Measured Value Sequence	(0040,A300)	SQ		ALWAYS	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH		ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH		ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO		ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Content sequence	(0040,A730)	SQ		ALWAYS	AUTO
>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD	ALWAYS	AUTO
>>>Value Type	(0040,A040)	CS	CODE	ALWAYS	AUTO
>>>Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>>>>Code Value	(0008,0100)	SH	G-C0E3	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	SRT	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	Finding Site	ALWAYS	AUTO
>>>Concept Code Sequence	(0040,A168)	SQ		ALWAYS	AUTO
>>>>Code value	(0008,0100)	SH	**Cd.Dsgn** / **Cd.Vlu** / **Cd.Mean**	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	SNM3 / T-63000 / Gall bladder	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	SNM3 / T-60610 / Bile duct SNM3 / T-62000 / Liver SRT / T-65000 / Pancreas SNM3 / T-65010 / Pancreatic duct SRT / T-71000 / Kidney SRT / T-C3000 / Spleen SRT / T-92000 / Prostate	ALWAYS	AUTO

TID (Toshiba Private) 0360 – Radiology Procedure Report

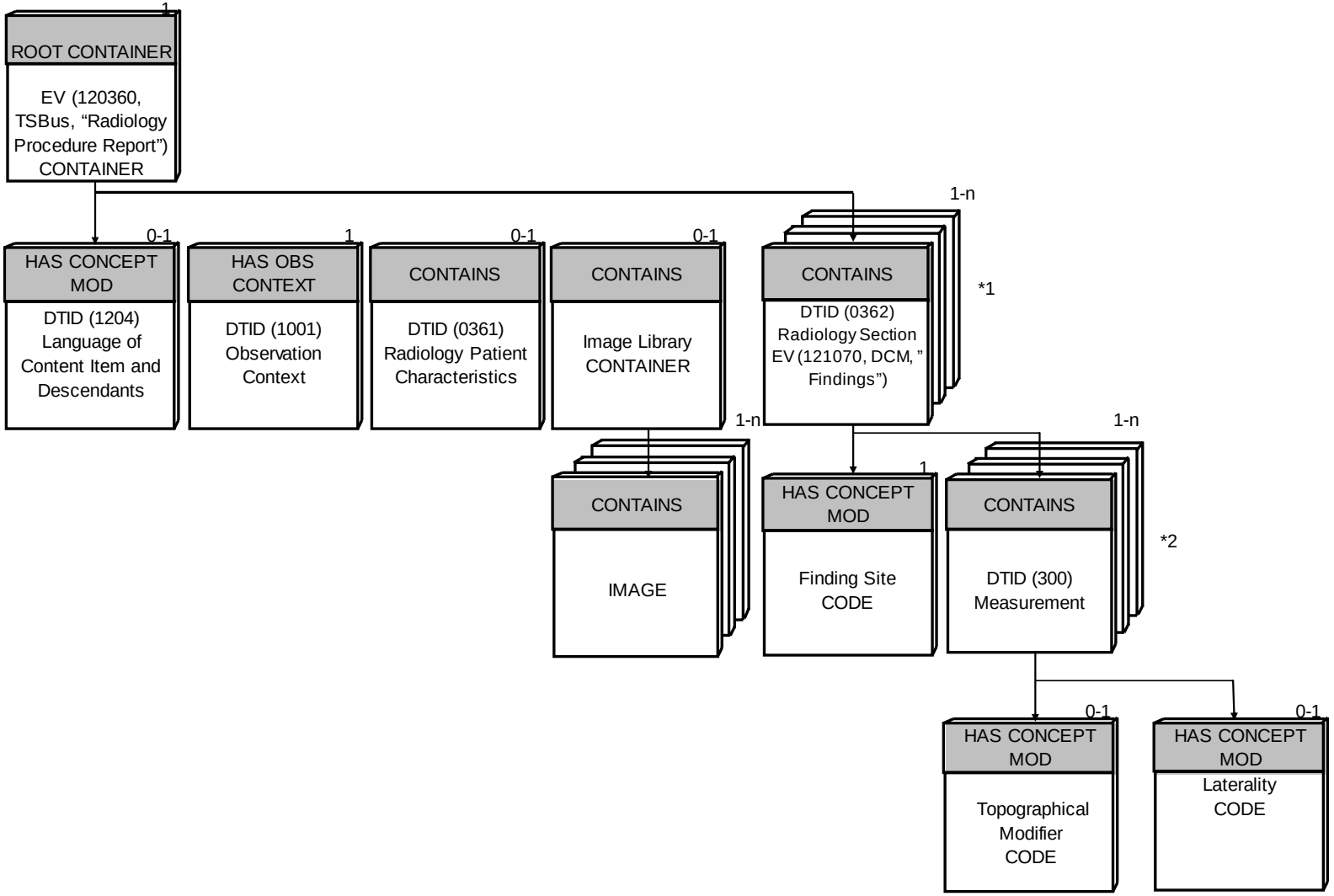


Figure 8.1-4 TID 0360 – Radiology Procedure Report

*1 DTID (0362) Radiology Section may be multiple depending on findings for instance Gall bladder, Bile duct , Liver, and so on.
*2 DTID (300) Measurement may be multiple depending on the number of measurement items.

Each “Label” means a unique identifier of measurement result on the Toshiba Ultrasound System.

Some measurements may overlap a “Label”. It means “Label” is unique within a measurement.

Figure 8.1-71 shows the relationship between Toshiba unique identifiers “Label” and DICOM tags structures.

List 8.1-71 Cardiac 2D-Mode LV measurement (MOD Simpson method)

Label	TID (0362) Abdominal Section $Measurement			TID (0362) Abdominal Section Finding Site			TID (0362) Abdominal Section Topographical Modifier			TID (0362) Abdominal Section Laterality		
GB W	SNM3	G-A220	Width	SNM3	T-63000	Gall bladder						
GB H	DCM	121207	Height	SNM3	T-63000	Gall bladder						
GB Wall T	DCM	122445	Wall thichnes	SNM3	T-63000	Gall bladder						
CBD	SRT	M-02550	Diameter	SNM3	T-60610	Bile duct						
Liver W	SNM3	G-A220	Width	SNM3	T-62000	Liver						
Liver H	DCM	121207	Height	SNM3	T-62000	Liver						
Pancr. Head	SRT	M-02550	Diameter	SRT	T-65000	Pancreas	TSBus	0360001	Head			
Pancr. Body	SRT	M-02550	Diameter	SRT	T-65000	Pancreas	TSBus	0360002	Body			
Pancr. Tail	SRT	M-02550	Diameter	SRT	T-65000	Pancreas	TSBus	0360003	Tail			
Pancr. Duct	SRT	M-02550	Diameter	SNM3	T-65010	Pancreatic duct						
Rt Kidney W	LN	11827-3	Right Kidney width	SRT	T-71000	Kidney				SRT	G-A100	Right
Rt Kidney H	LN	11836-4	Right Kidney length	SRT	T-71000	Kidney				SRT	G-A100	Right
Lt Kidney W	LN	11825-7	Left Kidney width	SRT	T-71000	Kidney				SRT	G-A101	Left
Lt Kidney H	LN	11834-9	Left Kidney length	SRT	T-71000	Kidney				SRT	G-A101	Left
Spleen A	SNM3	G-A220	Width	SRT	T-C3000	Spleen	SRT	G-A142	Horizontal			
Spleen B	DCM	121207	Height	SRT	T-C3000	Spleen	SRT	G-A144	Vertical			
Prostate W	SNM3	G-A220	Width	SRT	T-92000	Prostate						
Prostate H	DCM	121207	Height	SRT	T-92000	Prostate						
Spleen Index	TSBus	03600000	Spleen Index	SNM3	T-C3000	Spleen						

Table 8.1-40
SOP COMMON MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.22	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.1-41
PRIVATE APPLICATION MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	TOSHIBA MDW NON-IMAGE	ALWAYS	AUTO
Application Header Type	(0029,1008)	CS	TSB_BASIC_SR	ALWAYS	AUTO
Application Header Version	(0029,1009)	LO	1.00	ALWAYS	AUTO
Application Header Data	(0029,1020)	OB		ALWAYS	AUTO
Private Creator	(0029,0011)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1131)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1132)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1133)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1134)	CS	DB TO DICOM	ALWAYS	AUTO
Private Creator	(7015,0060)	LO	TOSHIBA ENCRYPTED SR DATA	ALWAYS	AUTO
Toshiba US Private Data	(7015,6000)	OB		ALWAYS	AUTO

8.1.1.13 User Programmable Measurement DICOM Code Set

The system has the user programmable measurement function, and registered measurement items can be corresponded to capabilities for TID 5000 - OB-GYN Ultrasound Procedure Report, TID 5100 - Vascular Ultrasound Report, TID 5200 – Echocardiography Procedure Report, or TID (Toshiba Private) 0360 – Radiology Procedure Report and Toshiba Private SR definitions

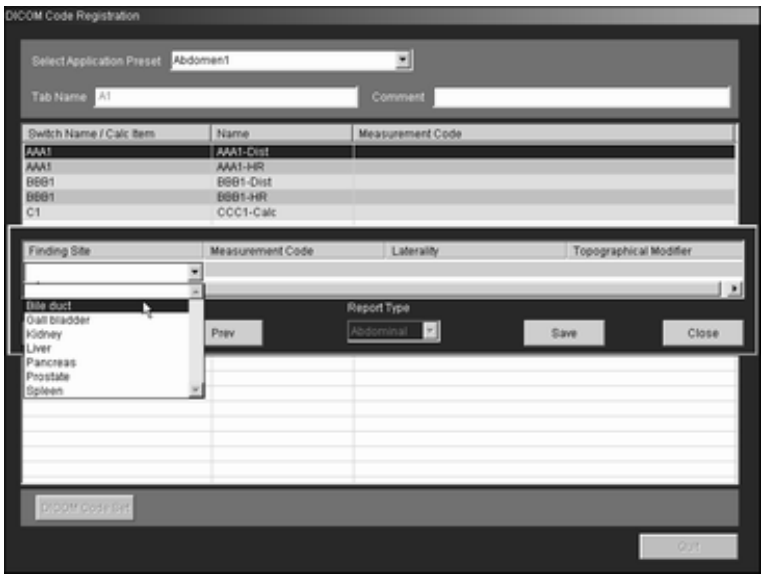


Figure 8.1-5 User Programmable Measurement DICOM Code Set window

8.1.2 Usage of Attributes from received IOD's

No SOP Class specific fields are required.

8.1.3 Attribute Mapping

The relationships between attributes received via Modality Worklist, stored in acquired images and communicated via MPPS are summarized in Table 8.1-42.

Table 8.1-42
ATTRIBUTE MAPPING BETWEEN MODALITY WORKLIST, IMAGE AND MPPS

Modality Worklist	Image IOD	MPPS IOD
--	--	Scheduled Step Attribute Sequence
Study Instance UID	Study Instance UID	>Study Instance UID
Referenced Study Sequence	Referenced Study Sequence	>Referenced Study Sequence
Accession Number	Accession Number	>Accession Number
--	Request Attributes Sequence	--
Requested Procedure ID	>Requested Procedure ID	>Requested Procedure ID
Scheduled Procedure Step ID	>Scheduled Procedure Step ID	>Scheduled Procedure Step ID
Scheduled Procedure Step Description	>Scheduled Procedure Step Description	>Scheduled Procedure Step Description
Scheduled Protocol Code Sequence	>Scheduled Protocol Code Sequence	--
--	Performed Protocol Code Sequence	Performed Protocol Code Sequence
--	Study ID	Study ID
--	Performed Procedure Step ID	Performed Procedure Step ID
--	Performed Procedure Step Start Date	Performed Procedure Step Start Date
--	Performed Procedure Step Start Time	Performed Procedure Step Start Time
--	Performed Procedure Step Description	Performed Procedure Step Description
Requested Procedure Description		
Requested Procedure Code Sequence	Requested Procedure Code Sequence	Requested Procedure Code Sequence
--	Referenced Study Component Sequence	--
--	>Referenced SOP Class UID	SOP Class UID
--	>Referenced SOP Instance UID	SOP Instance UID
--	Protocol Name	Protocol Name
Patient Name	Patient Name	Patient Name
Patient's ID	Patient's ID	Patient's ID
Patient's Birth Date	Patient's Birth Date	Patient's Birth Date
Patient's Sex	Patient's Sex	Patient's Sex
Referring Physician's Name	Referring Physician's Name	--

8.1.4 Coerced/Modified Fields

Not applicable to this product.

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES

This product reserves private attribute values in the groups 0029, 7015, and 7FE1.
The private attributes added to created SOP instances or directory records are listed in the following table;

Table 8.2-1
DATA DICTIONARY OF PRIVATE ATTRIBUTES

Tag	Attribute Name	VR	VM
(0029,00xx)	Private Creator	LO	1
(0029,xx08)	Application Header Type	CS	1
(0029,xx09)	Application Header Version	LO	1
(0029,xx10)	Application Header Data	OB	1
(0029,xx20)	Application Header Data	OB	1
(0029,xx31)	PMTF Information 1	LO	1
(0029,xx32)	PMTF Information 2	UL	1
(0029,xx33)	PMTF Information 3	UL	1
(0029,xx34)	PMTF Information 4	CS	1
(7015,00xx)	Private Creator	LO	1
(7015,xx00)	Toshiba US Private Data	OB	1
(7FE1,00xx)	Private Creator	LO	1
(7FE1,xx10)	Toshiba US Private Data	OB	1

8.3 CONTROLLED TERMINOLOGY AND TEMPLATES

Not applicable to this product.

8.4 GRAYSCALE IMAGE CONSISTENCY

Not applicable to this product.

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES

8.5.1 Private SOP Class - Toshiba US Private Data Storage

Table 8.5-1
IOD OF CREATED TOSHIBA US PRIVATE DATA SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.1-6	ALWAYS
Study	General Study	Table 8.1-7	ALWAYS
	Patient Study	Table 8.1-8	ALWAYS
Series	General Series	Table 8.1-9	ALWAYS
Equipment	General Equipment	Table 8.1-10	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	SOP Common	Table 8.5-2	ALWAYS
	Private Application	Table 8.5-3	ALWAYS

Table 8.5-2
SOP COMMON MODULE OF CREATED TOSHIBA US PRIVATE DATA SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0008)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.392.200036.9116.7.8.1.1.1	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

Table 8.5-3
PRIVATE APPLICATION MODULE OF CREATED TOSHIBA US PRIVATE DATA SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,0010)	LO	TOSHIBA MDW NON-IMAGE	ALWAYS	AUTO
Application Header Type	(0029,1008)	CS	US 3D VOLUME, TSB_STRESS, TSB_RAW, TSB_BASIC_SR, US_4D_LIVE, or US_4D_CLIP	ALWAYS	AUTO
Application Header Version	(0029,1009)	LO	“5.00” for US 3D VOLUME, “1.30” for TSB_RAW, or “1.00” for the rest	ALWAYS	AUTO
Application Header Data	(0029,1010)	OB		ALWAYS	AUTO
Private Creator	(0029,0011)	LO	PMTF INFORMATION DATA	ALWAYS	AUTO
PMTF Information 1	(0029,1131)	LO		ALWAYS	AUTO
PMTF Information 2	(0029,1132)	UL		ALWAYS	AUTO
PMTF Information 3	(0029,1133)	UL	0	ALWAYS	AUTO
PMTF Information 4	(0029,1134)	CS	DB TO DICOM	ALWAYS	AUTO
Private Creator	(0029,0012)	LO	TOSHIBA MDW HEADER	ANAP	AUTO
Application Header Type	(0029,1208)	CS	US 3D VOLUME, TSB_RAW, US_4D_LIVE, or US_4D_CLIP	ANAP	AUTO
Application Header Version	(0029,1209)	LO	1	ANAP	AUTO
Application Header Data	(0029,1210)	OB		ANAP	AUTO
Private Creator	(7FE1,0010)	LO	TOSHIBA MDW NON-IMAGE	ALWAYS	AUTO
Toshiba US Private Data	(7FE1,1010)	OB		ALWAYS	AUTO

8.6 PRIVATE TRANSFER SYNTAXES

Not applicable to this product.