

**DICOM CONFORMANCE STATEMENT
FOR
DIAGNOSTIC ULTRASOUND SYSTEM**



**MODEL SSH-880CV V3.20
(DICOM KIT USDI-880A)**

CANON MEDICAL SYSTEMS CORPORATION

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1. CONFORMANCE STATEMENT OVERVIEW

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

**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	Yes	Yes
Ultrasound Multi-frame Image Storage	Yes	Yes
Enhanced SR Storage	Yes	Yes
Comprehensive SR 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

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

**Table 1-2
MEDIA SERVICES**

Media Storage Application Profile	Write Files (FSC or FSU)	Read Files (FSR)
Compact Disk – Recordable		
General Purpose CD-R	Yes	Yes
DVD Plus Recordable		
General Purpose DVD	Yes	Yes
USB Media		
General Purpose USB Media	Yes	Yes

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3. INTRODUCTION

3.1 REVISION HISTORY

REV.	Date of Issue	Author	Description
*	July 2010	TMSC	Support of V2.60
A	September 2010	TMSC	Support of V2.70
B	November 2012	TMSC	Support of V3.00
C	December 2013	TMSC	Support of V3.20 Updated SR modifier tables of cardiac measurements: Table 8.1-27, Table 8.1-40 and Table 8.1-43.
D	January 2018	Canon Medical Systems	Change of company name

3.2 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.

3.3 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 Canon 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 Canon Medical Systems and non-Canon 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. Canon 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.

3.4 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
CM	Code Meaning (0008,0104)
CSD	Coding Scheme Designator (0008,0102)
CV	Code Value (0008,0100)
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
FSU	File-Set Updater
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
USB	Universal Serial Bus

3.5 REFERENCES

[DICOM] Digital Imaging and Communications in Medicine (DICOM), NEMA PS 3.1-3.18, 2008

4. NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

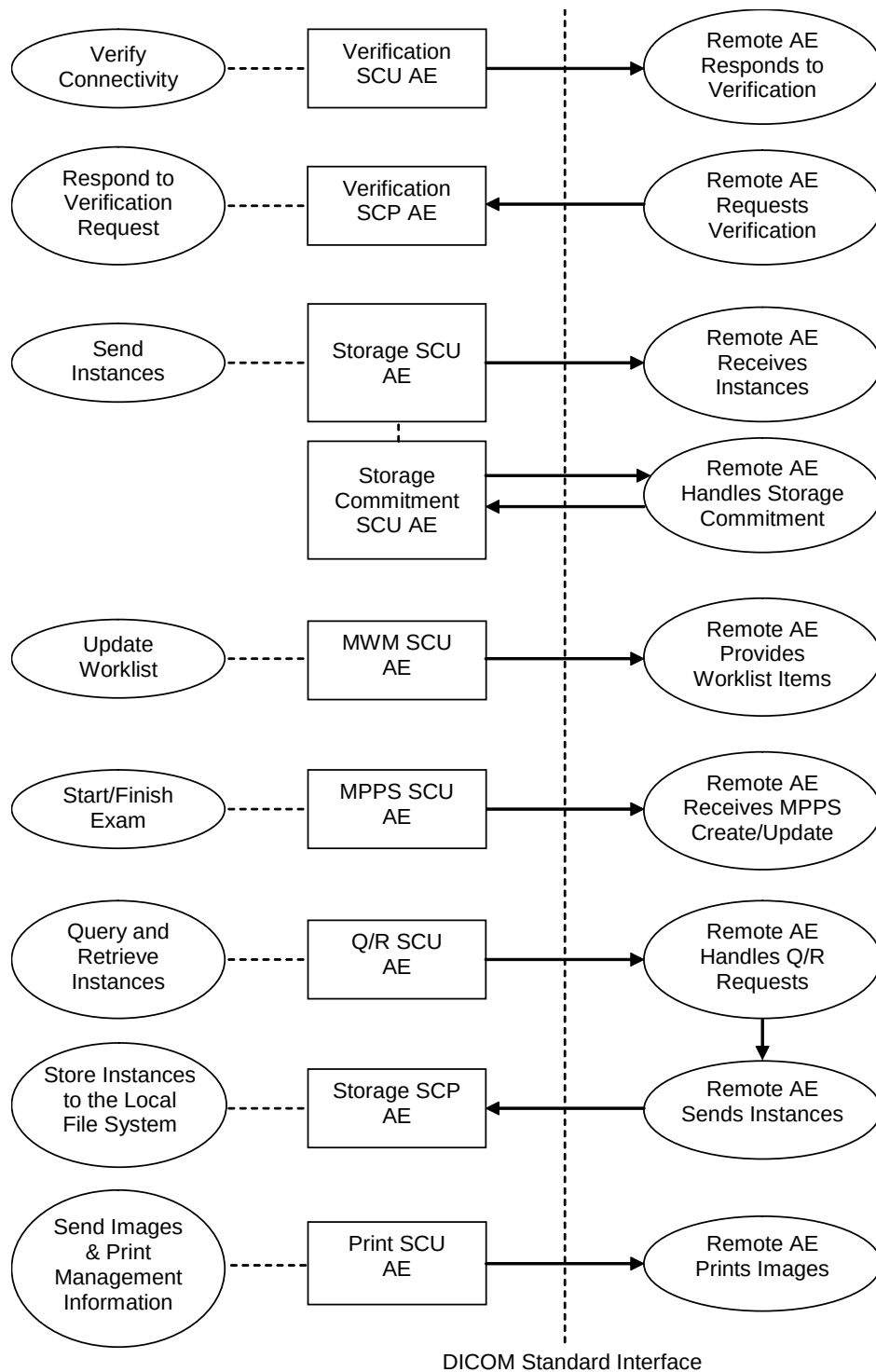


Figure 4.1-1
APPLICATION DATA FLOW DIAGRAM

- 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

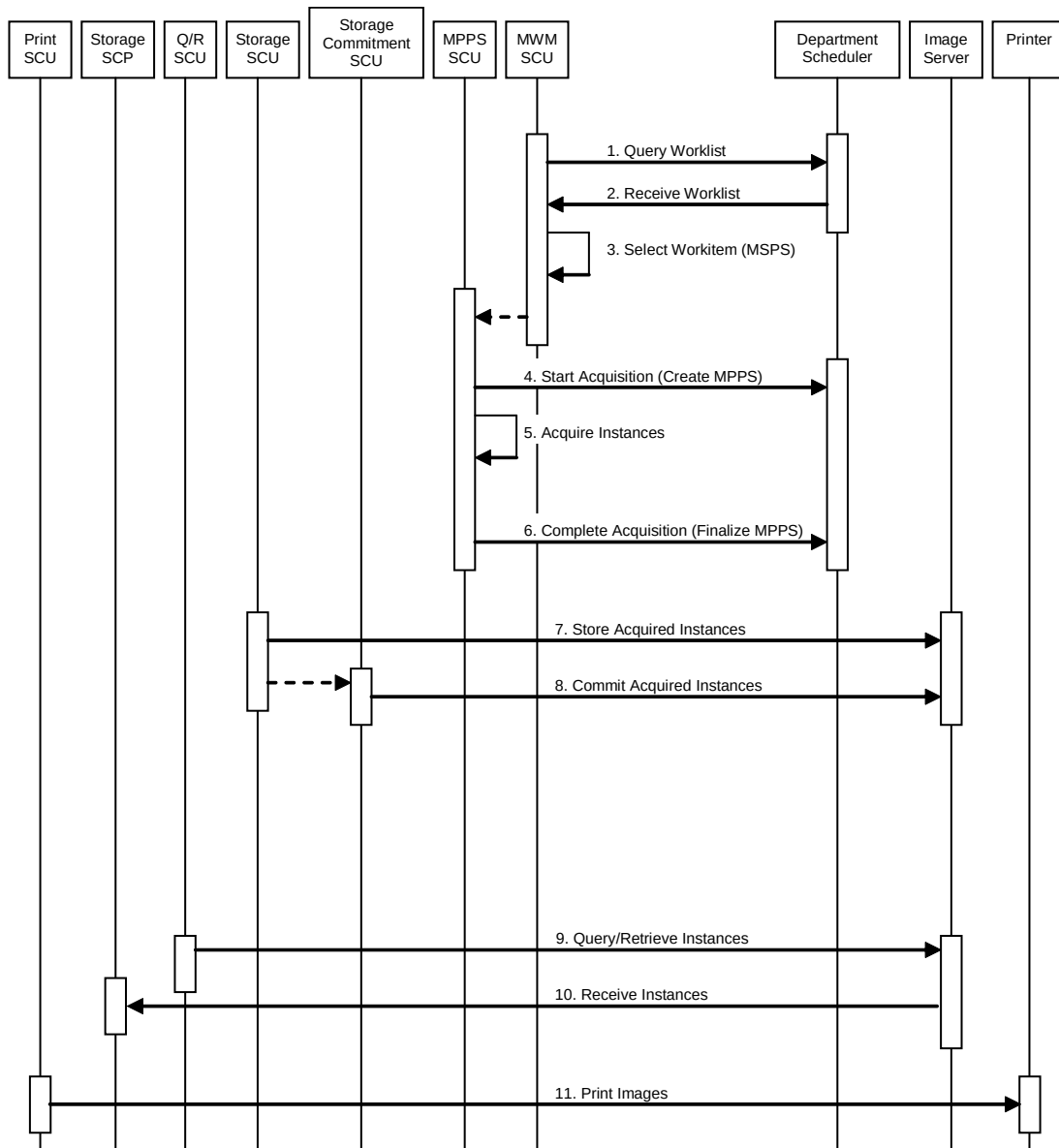


Figure 4.1-2
SEQUENCING CONSTRAINTS

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 Instances
6. Complete Acquisition and Finalize MPPS
7. Store Acquired Instances
8. Commit Acquired Instances
9. Query/Retrieve Instances
10. Receive Instances
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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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.

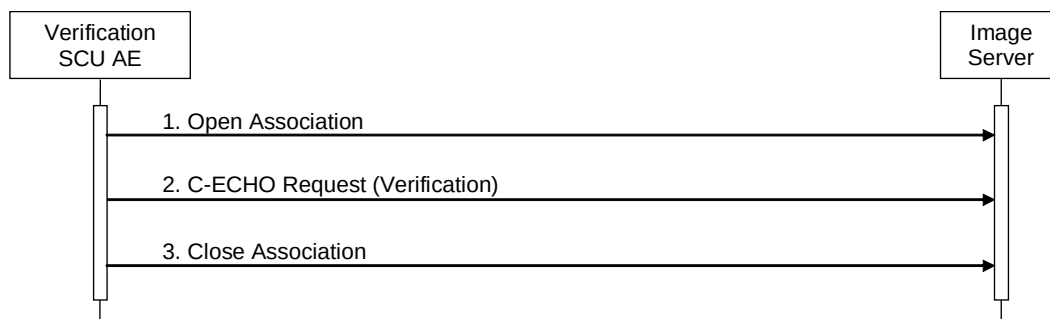


Figure 4.2-1
SEQUENCING OF ACTIVITY – VERIFY CONNECTIVITY

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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).

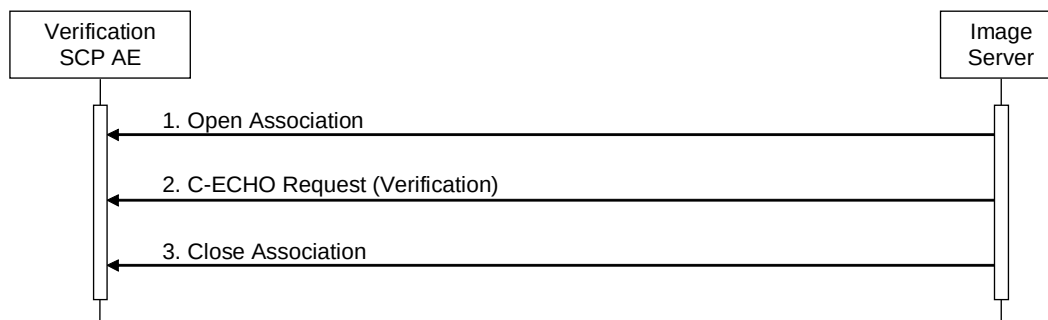


Figure 4.2-2
SEQUENCING OF ACTIVITY – RESPOND TO VERIFICATION REQUEST

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	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		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		

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 ten associations at a time for each destination to which a transfer request is being processed in the active job queue list. Up to ten jobs, that instances 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	10
---	----

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_1.0

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity – Send Instances

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 instances then multiple C-STORE requests will be issued over the same association. If the instance transfer fails, the Storage SCU AE will retry this send-job automatically.

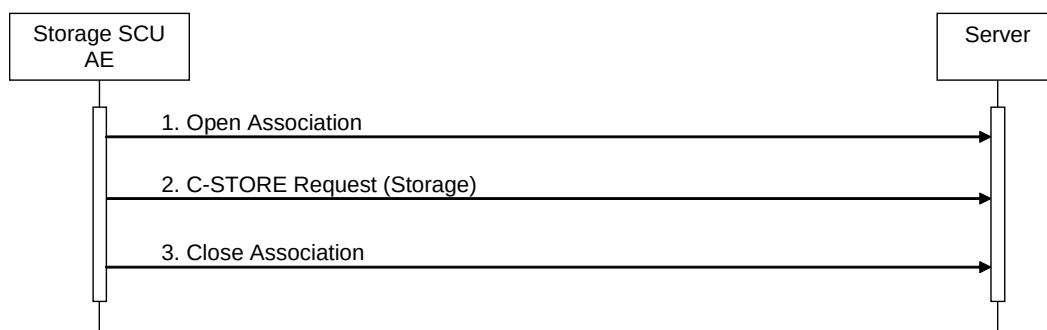


Figure 4.2-3
SEQUENCING OF ACTIVITY – SEND INSTANCES

A possible sequence of interactions between the Storage SCU AE and a 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 Server.
2. Acquired instances are transmitted to the Server using a storage request (C-STORE) and the Server replies with a C-STORE response (status success).
3. The Storage SCU AE closes the association with the Server.

4.2.3.3.1.2 Proposed Presentation Contexts

The Storage SCU AE will propose the Presentation Contexts in the following table that shows a Presentation Context Item a row:

Table 4.2-21
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND INSTANCES

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name List	UID List		
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
SC Image Storage	1.2.840.10008.5.1.4.1.1.7	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
US 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	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70	SCU	None
US Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	RLE Lossless	1.2.840.10008.1.2.5	SCU	None
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88. 22	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88. 33	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

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.
*	*	Any other status code	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.

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 instance transfer fails, the Storage SCU AE will retry this send-job automatically.

The contents of Storage SOP Instances created by the Storage SCU AE conform to the 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 ten associations at a time.

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

Maximum number of simultaneous associations	10
---	----

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	10
---	----

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_1.0

4.2.4.3 Association Initiation Policy

4.2.4.3.1 Activity – Commit Sent Instances

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 instances 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.

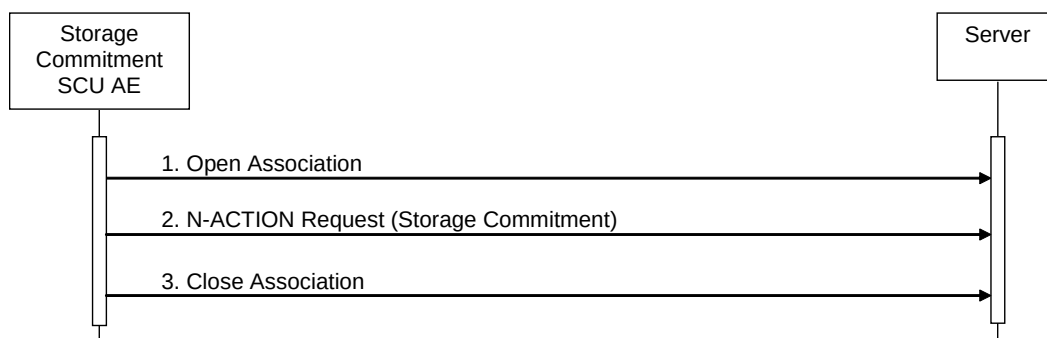


Figure 4.2-4
SEQUENCING OF ACTIVITY – COMMIT SENT INSTANCES

A possible sequence of interactions between the Storage Commitment SCU AE and a 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 Server.
2. A storage commitment request (N-ACTION) is transmitted to the Server to obtain storage commitment of previously transmitted instances. The 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 Server.

Note: The N-EVENT-REPORT will be sent over a separate association initiated by the 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 INSTANCES

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 an 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.

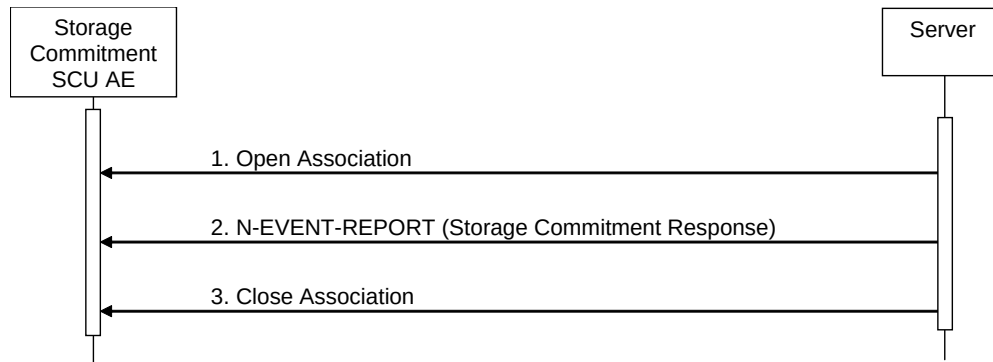


Figure 4.2-5
SEQUENCING OF ACTIVITY - RECEIVE STORAGE COMMITMENT RESPONSE

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

1. The Server opens an association with the Storage Commitment SCU AE.
2. The 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 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.
Name	UID	Name List	UID List		Neg.
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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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 "Get Worklist" 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.

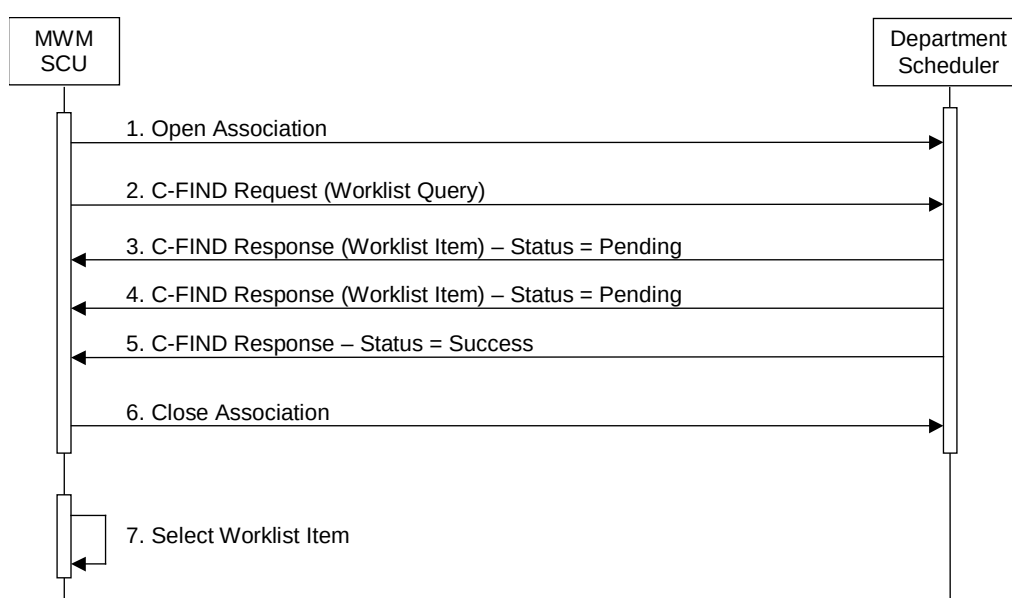


Figure 4.2-6
SEQUENCING OF ACTIVITY – UPDATE WORKLIST

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 instances.

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.
Name	UID	Name List	UID List		Neg.
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.
*	*	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 instances 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 instances. 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						
Specific Character Set	(0008,0005)	CS				x
Scheduled Procedure Step						
Scheduled Procedure Step Sequence	(0040,0100)	SQ				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
>Modality	(0008,0060)	CS	S	x	x	x
>Scheduled Procedure Step End Date	(0040,0004)	DA		x		
>Scheduled Procedure Step End Time	(0040,0005)	TM		x		
>Scheduled Performing Physician's Name	(0040,0006)	PN		x	x	x
>Scheduled Procedure Step Description	(0040,0007)	LO		x	x	x
>Scheduled Procedure Step ID	(0040,0009)	SH		x	x	x
>Scheduled Station Name	(0040,0010)	SH		x		
>Scheduled Procedure Step Location	(0040,0011)	SH		x		
>Scheduled Protocol Code Sequence	(0040,0008)	SQ		x		
>>Code Value	(0008,0100)	SH		x		
>>Coding Scheme Designator	(0008,0102)	SH		x		
>>Coding Scheme Version	(0008,0103)	SH		x		
>>Code Meaning	(0008,0104)	LO		x		
>Pre-Medication	(0040,0012)	LO		x		
>Scheduled Procedure Step ID	(0040,0009)	SH		x	x	x
>Requested Contrast Agent	(0032,1070)	LO		x		
>Scheduled Procedure Step Status	(0040,0020)	CS		x		
Comments on the Scheduled Procedure Step	(0040,0400)	LT		x		

Module Name Attribute Name	Tag	VR	M	R	D	IOD
Requested Procedure						
Requested Procedure ID	(0040,1001)	SH	S	x	x	x
Requested Procedure Description	(0032,1060)	LO		x	x	x
Requested Procedure Code Sequence	(0032,1064)	SQ		x		x
>Code Value	(0008,0100)	SH		x		
>Coding Scheme Designator	(0008,0102)	SH		x		
>Coding Scheme Version	(0008,0103)	SH		x		
>Code Meaning	(0008,0104)	LO		x		
Study Instance UID	(0020,000D)	UI		x		x
Referenced Study Sequence	(0008,1110)	SQ				x
>Referenced SOP Class UID	(0008,1150)	UI		x		x
>Referenced SOP Instance UID	(0008,1155)	UI		x		x
Requested Procedure Priority	(0040,1003)	SH		x		
Patient Transport Arrangements	(0040,1004)	LO		x		
Requested Procedure Location	(0040,1005)	LO		x		
Reason for Requested Procedure	(0040,1002)	LO		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						
Accession Number	(0008,0050)	SH	S	x	x	x
Requesting Physician	(0032,1032)	PN		x	x	x
Referring Physician's Name	(0008,0090)	PN		x	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		
Order Entered By	(0040,2008)	PN		x		
Order Enterer's Location	(0040,2009)	SH		x		

Module Name Attribute Name	Tag	VR	M	R	D	IOD
Order Callback Phone Number	(0040,2010)	SH		x		
Placer Order Number/Imaging Service Request	(0040,2016)	LO		x		
Filter Order Number/Imaging Service Request	(0040,2017)	LO		x		
Imaging Service Request Comments	(0040,2400)	LT		x		
Visit Identification						
Admission ID	(0038,0010)	LO		x		
Issuer of Admission ID	(0038,0011)	LO		x		
Institution Name	(0008,0080)	LO		x		x
Institution Address	(0008,0081)	ST		x		x
Institution Code Sequence	(0008,0082)	SQ		x		
>Code Value	(0008,0100)	SH		x		
>Coding Scheme Designator	(0008,0102)	SH		x		
>Coding Scheme Version	(0008,0103)	SH		x		
>Code Meaning	(0008,0104)	LO		x		
Visit Status						
Current Patient Location	(0038,0300)	LO		x		
Visit Status ID	(0038,0008)	CS		x		
Patient's Institution Residence	(0038,0400)	LO		x	x	
Visit Comments	(0038,4000)	LT		x		
Visit Relationship						
Referenced Patient Sequence	(0008,1120)	SQ				
>Referenced SOP Class UID	(0008,1150)	UI		x		
>Referenced SOP Instance UID	(0008,1155)	UI		x		
Visit Admission						
Referring Physician's Address	(0008,0092)	ST		x		
Referring Physician's Telephone Numbers	(0008,0094)	SH		x		
Admitting Diagnoses Description	(0008,1080)	LO		x		x
Admitting Diagnosis Code Sequence	(0008,1084)	SQ		x		
>Code Value	(0008,0100)	SH		x		
>Coding Scheme Designator	(0008,0102)	SH		x		

Module Name Attribute Name	Tag	VR	M	R	D	IOD
>Coding Scheme Version	(0008,0103)	SH		x		
>Code Meaning	(0008,0104)	LO		x		
Route of Admissions	(0038,0016)	LO		x		
Admitting date	(0038,0020)	DA		x		
Admitting Time	(0038,0021)	TM		x		
Patient Identification						
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		x		x
Other Patient IDs	(0010,1000)	LO		x		x
Other Patient Names	(0010,1001)	PN		x		x
Patient's Birth Name	(0010,1005)	PN		x		x
Patient's Mother's Birth Name	(0010,1060)	PN		x		x
Medical Record Locator	(0010,1090)	LO		x		x
Patient Demographic						
Patient's Birth Date	(0010,0030)	DA		x	x	x
Patient's Sex	(0010,0040)	CS		x	x	x
Patient's Weight	(0010,1030)	DS		x	x	x
Confidentiality constraint on patient data description	(0040,3001)	LO		x		x
Patient's Birth Time	(0010,0032)	TM		x		x
Patient's Age	(0010,1010)	AS		x	x	x
Patient's Size	(0010,1020)	DS		x	x	x
Patient's Address	(0010,1040)	LO		x		x
Patient's Insurance Plan Code Sequence	(0010,0050)	SQ		x		
>Code Value	(0008,0100)	SH		x		x
>Coding Scheme Designator	(0008,0102)	SH		x		x
>Coding Scheme Version	(0008,0103)	SH		x		x
>Code Meaning	(0008,0104)	LO		x		x
Military Rank	(0010,1080)	LO		x		x
Branch of Service	(0010,1081)	LO		x		x

Module Name Attribute Name	Tag	VR	M	R	D	IOD
Country of Residence	(0010,2150)	LO		x		x
Region of Residence	(0010,2152)	LO		x		x
Patient's Telephone Numbers	(0010,2154)	SH		x		x
Ethnic Group	(0010,2160)	SH		x		x
Occupation	(0010,2180)	SH		x		x
Patient's Religious Preference	(0010,21F0)	LO		x		x
Patient Comments	(0010,4000)	LT		x	x	x
Patient Medical						
Patient State	(0038,0500)	LO		x		x
Pregnancy Status	(0010,21C0)	US		x		x
Medical Alerts	(0010,2000)	LO		x		x
Allergies	(0010,2110)	LO		x		x
Special Needs	(0038,0050)	LO		x		x
Smoking Status	(0010,21A0)	CS		x		x
Additional Patient History	(0010,21B0)	LT		x		x
Last Menstrual Date	(0010,21D0)	DA		x		x
Other Attributes						
Study Description	(0008,1030)	LO		x	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.
This setting can be configured using the service tool.
- 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: Specific Character Set (0008,0005) will be created if an extended or replacement character set is used in the matching keys.

Scheduled Performing Physician's Name (0040,1006) will be copied into Performing Physician's Name (0008,1050).

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

In the default setting, Study Description (0008,1030) will be displayed at *Exam Type* when matching the following exam types: Adult Heart, Pediatric Heart, Coronary, M-TEE, PV Arterial, PV Venous, Carotid, Digits, or OTHER. 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).

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_1.0

4.2.6.3 Association Initiation Policy

4.2.6.3.1 Activity – Acquire Instances

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 acquisition.

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.

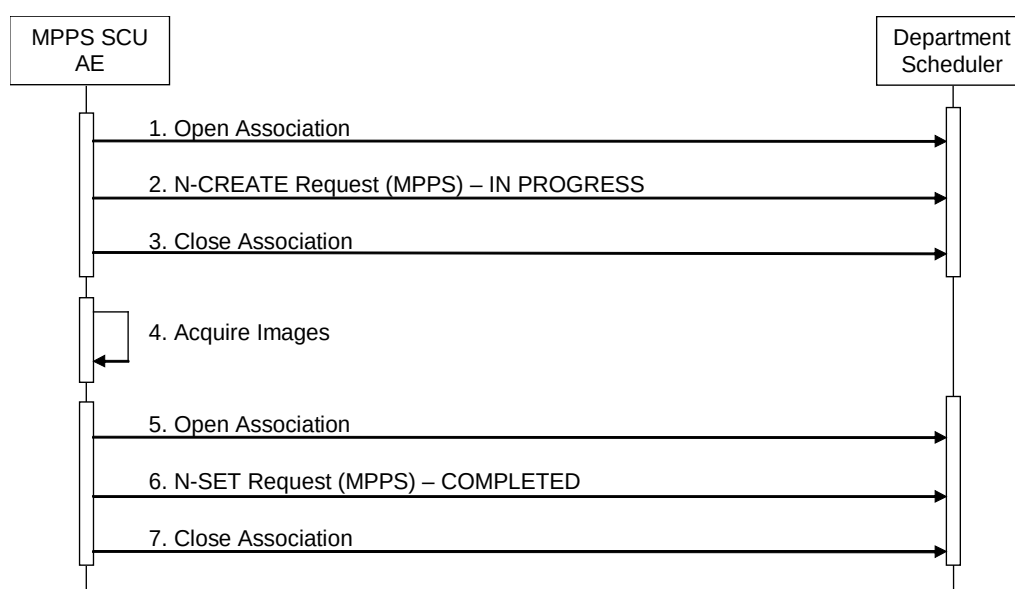


Figure 4.2-7
SEQUENCING OF ACTIVITY – ACQUIRE INSTANCES

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 instances 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 INSTANCES

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Ext.
Name	UID	Name List	UID List		Neg.
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.
*	*	Any other status code	The association is aborted and the MPPS is marked as failed. The status meaning is logged and reported to the user.

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
Specific Character Set	(0008,0005)	CS	Created, if an extended or replacement character set is used.	
Performed Procedure Step Relationship				
Scheduled Step Attributes Sequence	(0040,0270)	SQ	Always set	
>Study Instance UID	(0020,000D)	UI	From Modality Worklist	
>Referenced Study Sequence	(0008,1110)	SQ	From Modality Worklist	
>>Referenced SOP Class UID	(0008,1150)	UI	From Modality Worklist	
>>Referenced SOP Instance UID	(0008,1155)	UI	From Modality Worklist	
>Accession Number	(0008,0050)	SH	From Modality Worklist	
>Placer Order Number/Imaging Service Request	(0040,2016)	LO	Zero length	
>Filler Order Number/Imaging Service Request	(0040,2017)	LO	Zero length	
>Requested Procedure ID	(0040,1001)	SH	From Modality Worklist	
>Requested Procedure Description	(0032,1060)	LO	From Modality Worklist	
>Scheduled Procedure Step ID	(0040,0009)	SH	From Modality Worklist	
>Scheduled Procedure Step Description	(0040,0007)	LO	From Modality Worklist	
>Scheduled Protocol Code Sequence	(0040,0008)	SQ	From Modality Worklist	
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	
Referenced Patient Sequence	(0008,1120)	SQ	From Modality Worklist	
>Referenced SOP Class UID	(0008,1150)	UI	From Modality Worklist	
>Referenced SOP Instance UID	(0008,1155)	UI	From Modality Worklist	
Performed Procedure Step Information				
Performed Procedure Step ID	(0040,0253)	SH	x	
Performed Station AE Title	(0040,0241)	AE	MPPS AE Title	
Performed Station Name	(0040,0242)	SH	From configuration	
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 Status	(0040,0252)	CS	IN PROGRESS	COMPLETED or DISCONTINUED
Performed Procedure Step Description	(0040,0254)	LO	x	
Performed Procedure Type Description	(0040,0255)	LO	Zero length	
Procedure Code Sequence	(0008,1032)	SQ	Zero or more items	Zero or more items
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
Image Acquisition Results				
Modality	(0008,0060)	CS	US	
Study ID	(0020,0010)	SH	x	
Performed Protocol Code Sequence	(0040,0260)	SQ	Zero or more items	Zero or more items
Performed Series Sequence	(0040,0340)	SQ	One or more items	One or more items
>Performing Physician's Name	(0008,1050)	PN	From Modality Worklist or user input	x
>Protocol Name	(0018,1030)	LO	x	x
>Operator's Name	(0008,1070)	PN	Zero length	Zero length
>Series Instance UID	(0020,000E)	UI	x	x
>Series Description	(0008,103E)	LO	Zero length	Zero length
>Retrieve AE Title	(0008,0054)	AE	Zero length	Zero length
>Referenced Image Sequence	(0008,1140)	SQ	Zero or more items	One or more items
>>Referenced SOP Class UID	(0008,1150)	UI	x	x
>>Referenced SOP Instance UID	(0008,1155)	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 initiates one association at a time.

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

Maximum number of simultaneous associations	1
---	---

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_1.0

4.2.7.3 Association Initiation Policy

4.2.7.3.1 Activity – Query and Retrieve Instances

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 series to be retrieved. The instances will be received at the Storage SCP AE.

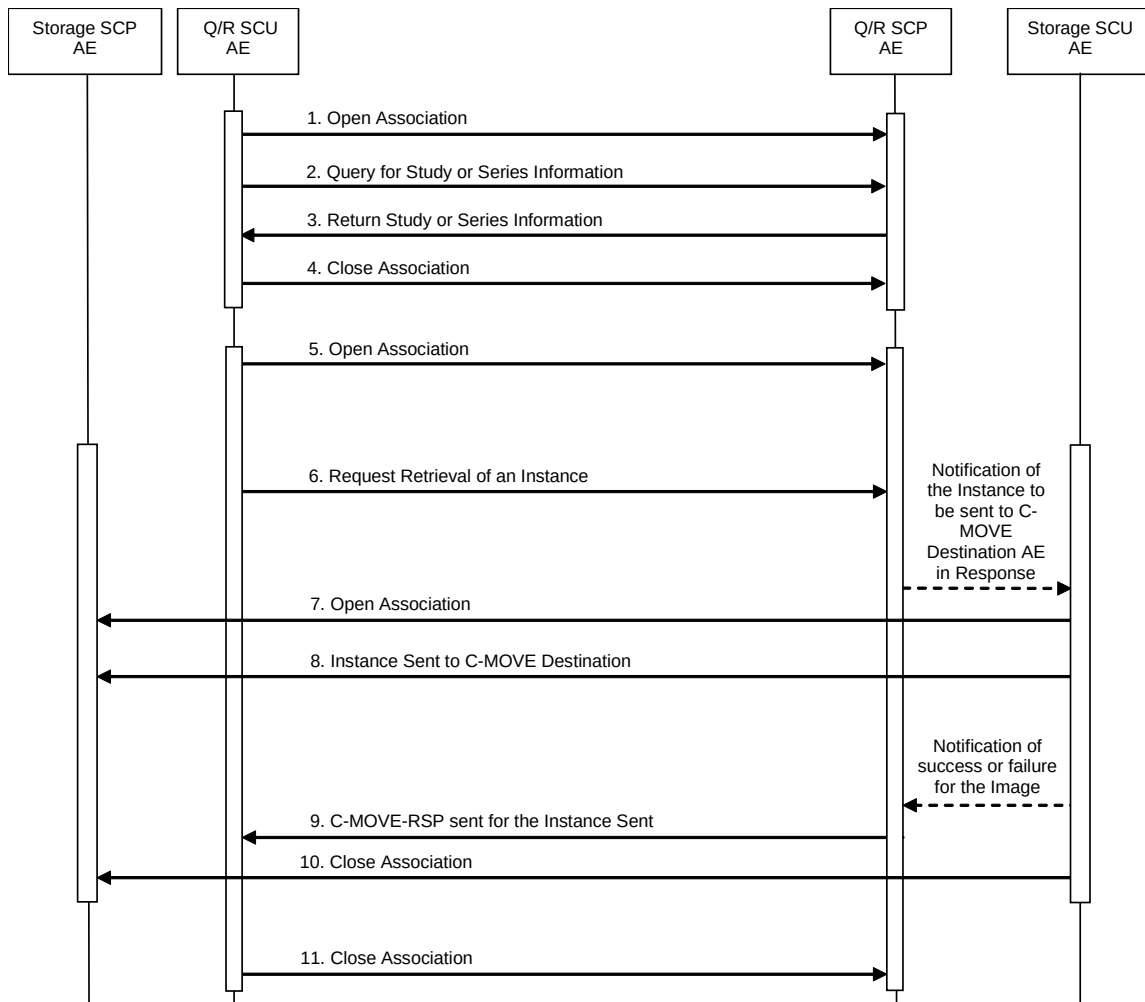


Figure 4.2-8
SEQUENCING OF ACTIVITY – QUERY AND RETRIEVE INSTANCES

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 instances 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 INSTANCES

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. Study or Series information items are available for display or further processing.
*	*	Any other status code	The association is aborted using A-ABORT and the Study or Series information is marked as failed. The status meaning is logged and reported to the user.

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 or series query is marked as failed. The reason is logged and reported to the user.
Association aborted by the SCP or network layers	The study or series 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), 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, R
Study Time	(0008,0030)	U
Accession Number	(0008,0050)	S, U
Patient's Name	(0010,0010)	*, U
Patient ID	(0010,0020)	*
Study ID	(0020,0010)	U
Study Instance UID	(0020,000D)	UNIQUE
Modalities in Study	(0008,0061)	U
Series Level		
Modality	(0008,0060)	U
Series Number	(0020,0011)	U
Series Instance UID	(0020,000E)	UNIQUE

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 "R" indicates Range 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.
*	*	Any other status code	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.

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.

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	Yes	No
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		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		

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 ten associations at a time.

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

Maximum number of simultaneous associations	10
---	----

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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.

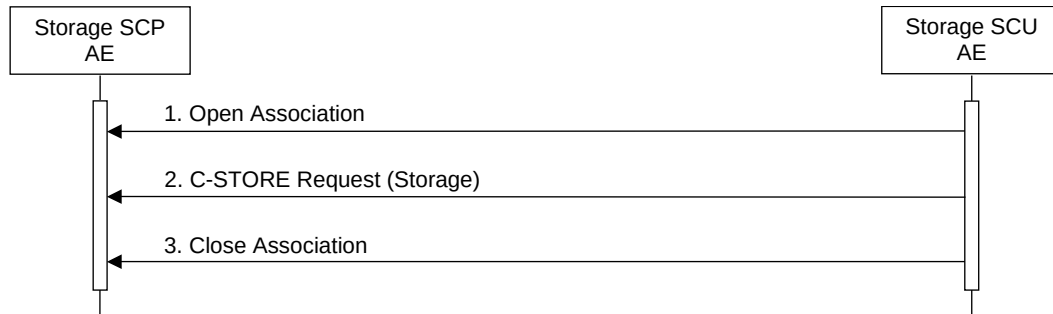


Figure 4.2-9
SEQUENCING OF ACTIVITY – STORE IMAGES TO THE LOCAL FILE SYSTEM

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		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		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		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		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		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		RLE Lossless	1.2.840.10008.1.2.5		
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		
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian	1.2.840.10008.1.2		
		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 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 instances 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 were 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 initiates one association at a time.

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

Maximum number of simultaneous Associations	1
---	---

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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

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.

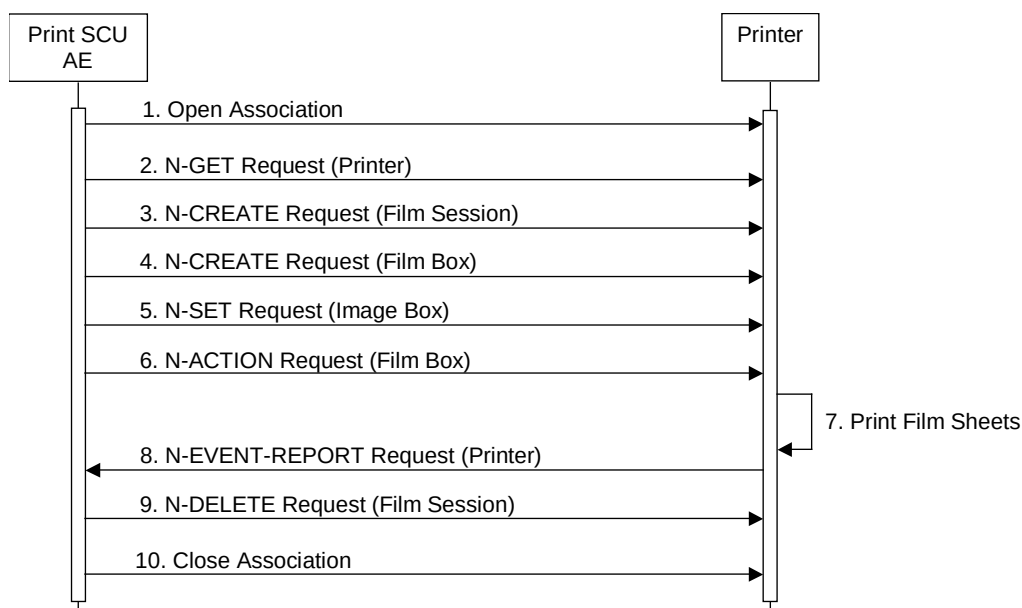


Figure 4.2-10
SEQUENCING OF ACTIVITY – SEND IMAGES & PRINT MANAGEMENT INFORMATION

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-GET on the Printer SOP Class is used to obtain current printer status information.
3. N-CREATE on the Film Session SOP Class creates a Film Session.
4. N-CREATE on the Film Box SOP Class creates a Film Box linked to the Film Session.
5. N-SET on the Image Box SOP Class transfers the contents of the film sheet to the printer.
6. N-ACTION on the Film Box SOP Class instructs the Printer to print the Film Box.
7. The Printer prints the requested number of film sheets.
8. The Printer asynchronously reports its status via N-EVENT-REPORT notification (Printer SOP Class). The printer can send this message at any time. The Print SCU AE does not require the N-EVENT-REPORT to be sent. The Print SCU AE is capable of receiving an N-EVENT-REPORT notification at any time during an association.
9. N-DELETE on the Film Session SOP Class deletes the complete Film Session SOP Instance hierarchy.
10. The Print SCU AE closes the Association with the Printer.

4.2.9.3.1.2 Proposed Presentation Contexts

The Print SCU AE is capable of proposing the Presentation Contexts shown in the table below:

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		

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 using A-ABORT 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
- N-EVENT-REPORT

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, the print-job continues to be printed.
2. If Printer status (2110,0010) is FAILURE, the print-job is marked as failed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job control application.
3. If Printer status (2110,0010) is WARNING, the print-job continues to be printed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job control application.

The behavior of The Print SCU AE when encountering status codes in a 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 using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

4.2.9.3.1.4.2 Printer SOP Class Notifications (N-EVENT-REPORT)

The Print SCU AE is capable of receiving an N-EVENT-REPORT request at any time during an association.

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

Table 4.2-82
PRINTER SOP CLASS N-EVENT-REPORT BEHAVIOUR

Event Type Name	Event Type ID	Behavior
Normal	1	The print-job continues to be printed.
Warning	2	The print-job continues to be printed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job-control application.
Failure	3	The print-job is marked as failed. The contents of Printer Status Info (2110,0020) is logged and reported to the user via the job-control application.
*	*	An invalid Event Type ID will cause a status code of 0113H to be returned in a N-EVENT-REPORT response.

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

Table 4.2-83
PRINTER SOP CLASS N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Status Code	Reasons
Success	Success	0000	The notification event has been successfully received.
Failure	No Such Event Type	0113H	An invalid Event Type ID was supplied in the N-EVENT-REPORT request.
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).

4.2.9.3.1.5 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 4.2-84
FILM SESSION SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Copies	(2000,0010)	IS	1 .. 9	ALWAYS	User
Print Priority	(2000,0020)	CS	MED	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 4.2-85
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 if it is configured that the status would be considered successful.
Warning	Attribute List Error	0107H	The N-CREATE operation is considered successful if it is configured that the status would be considered successful.
*	*	Any other status code.	The Association is aborted using A-ABORT 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 4.2-86
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 using A-ABORT 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 4.2-87
FILM BOX SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Display Format	(2010,0010)	CS	STANDARD\1,1	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
Film Orientation	(2010,0040)	CS	PORTRAIT or LANDSCAPE	ALWAYS	User
Film Size ID	(2010,0050)	CS	8INX10IN, 10INX12IN, 10INX14IN, 11INX14IN, 14INX14IN, 14INX17IN, 11INX17IN, 24CMX24CM, 24CMX30CM, A4 or A3	ALWAYS	User
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
Border Density	(2010,0100)	CS	BLACK or WHITE	ALWAYS	User
Empty Image Density	(2010,0110)	CS	BLACK or WHITE	ALWAYS	User
Min Density	(2010,0120)	US	0 .. 9999	ALWAYS	User
Max Density	(2010,0130)	US	0 .. 9999	ALWAYS	User
Trim	(2010,0140)	CS	YES or NO	ALWAYS	User
Configuration Information	(2010,0150)	ST		ALWAYS	Auto

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

Table 4.2-88
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	B605H	The N-CREATE operation is considered successful if it is configured that the status would be considered successful.

*	*	Any other status code.	The Association is aborted using A-ABORT 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 4.2-89
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)	B603H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been demagnified.	B604H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
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.	B60AH	The N-ACTION operation is considered successful if it is configured that the status would be considered successful.
Failure	Unable to create Print Job SOP Instance; print queue is full.	C602	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

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 4.2-90
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
Polarity	(2020,0020)	CS	NORMAL or REVERSE	ALWAYS	User
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
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)	OB		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
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.	B604H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
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.	B60AH	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Insufficient memory in printer to store the image.	C605	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

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 4.2-92
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
Magnification Type	(2010,0060)	CS	REPLICATE, BILINEAR, CUBIC or NONE	ALWAYS	User
Smoothing Type	(2010,0080)	CS		ANAP	User
Basic Grayscale Image Sequence	(2020,0110)	SQ		ALWAYS	Auto
>Samples Per Pixel	(0028,0002)	US	3	ALWAYS	Auto
>Photometric Interpretation	(0028,0004)	CS	RGB	ALWAYS	Auto
>Planar Condition	(0028,0006)	US	0x0001	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)	OB		ALWAYS	Auto

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

Table 4.2-93
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.	B604H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Requested Min Density or Max Density outside of printer's operating range.	B605H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Warning	Image size is larger than Image Box size. The image has been cropped to fit.	B609H	The N-SET operation is considered successful if it is configured that the status would be considered successful.
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.	B60AH	The N-SET operation is considered successful if it is configured that the status would be considered successful.
Failure	Image size is larger than Image Box size.	C603	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Insufficient memory in printer to store the image.	C605	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
Failure	Combined Print Image Size is larger than Image Box size.	C613	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.
*	*	Any other status code.	The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user.

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 1000baseT
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.

Notes: Up to 16 characters (alphanumeric characters, "-", ".", and "_") can be used in the AE Titles.
Port 11600 is available for receiving all the SOP Classes listed in the Table 4.2-70, but Port 104 is not available for receiving Comprehensive SR.

Table 4.4-1
AE TITLE CONFIGURATION TABLE

AE TITLE CONFIGURATION TABLE		
Application Entity	Default AE Title	Default TCP/IP Port
MWM SCU	MWMSCU_AE	Not Applicable
MPPS SCU	MPPSSCU_AE	
Print SCU	PrintSCU_AE	
Q/R SCU	DICOM_LOCAL_SCU	
Storage SCU		
Storage SCP	DICOM_LOCAL_SCP	104 or 11600
Storage Commitment SCU		

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		
Maximum PDU send/receive size	Yes [2048-1048576]	32768 bytes

Time-out waiting for an acceptance or rejection response to an association request (Application Level Timeout)	Yes [1-9999999]	30 sec
Time-out waiting for a response to an association release request (Application Level Timeout)	Yes [1-9999999]	30 sec
Time-out waiting for completion of a TCP/IP connect request (Low-level timeout)	Yes [1-9999999]	30 sec
Time-out awaiting a response to a DIMSE request (Low-Level Timeout)	Yes [1-9999999]	30 sec
Time-out for waiting for data between TCP/IP-packets (Low Level Timeout)	Yes [1-9999999]	30 sec
Storage SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage SCU AE	No	10
Number of times a failed send job may be retried	No	Forever, until the job succeeds or user cancels it.
Storage Commitment SCU Parameters		
Maximum number of simultaneously initiated associations by the Storage Commitment SCU AE	No	10
Maximum number of simultaneously accepted associations by the Storage Commitment SCU AE	No	10
Time-out waiting for a Storage Commitment Notification (maximum duration of applicability for a Storage Commitment Transaction UID)	Yes [1-99999](msec, sec, min, hour, month or year)	180 sec
Delay association release after sending a storage commitment request (wait for a storage commitment notification over the same association)	No	0
Modality Worklist SCU Parameters		
Maximum number of simultaneously initiated associations by the MWM SCU AE	No	1
Maximum number of worklist items	Yes [1-9999]	200
Query worklist for specific Scheduled Station AE Title	Yes	MWMSCU_AE
Query worklist for specific Modality	Yes	US
MPPS SCU Parameters		
Maximum number of simultaneously initiated associations by the MPPS SCU AE	No	1

Number of times a failed send job may be retried	No	Forever, until the job succeeds or user cancels it.
Q/R SCU Parameters		
Maximum number of simultaneously initiated associations by the Q/R SCU AE	No	1
Maximum number of matching entries	No	5000
Storage SCP Parameters		
Maximum number of simultaneously initiated associations by the Storage SCP AE	No	10
Print SCU Parameters		
Maximum number of simultaneously initiated associations by the Print SCU AE	No	1

5. MEDIA INTERCHANGE

5.1 IMPLEMENTATION MODEL

5.1.1 Application Data Flow

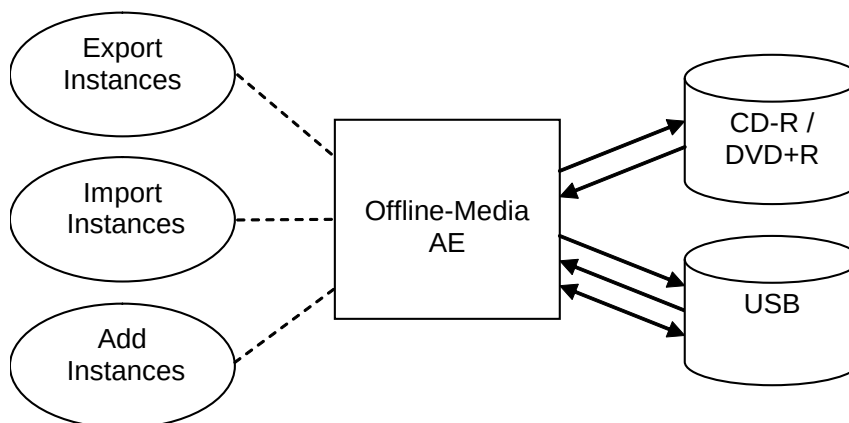


Figure 5.1-1

APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

- The Offline-Media AE exports instances to a CD-R, DVD+R or USB Storage medium. It is associated with the local real-world activity "Export Instances" performed upon user request.
- The Offline-Media AE imports instances from a CD-R, DVD+R or USB Storage medium. It is associated with the local real-world activity "Import Instances" performed upon user request.
- The Offline-Media AE updates instances from a USB Storage medium. It is associated with the local real-world activity "Add Instances" 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 instances to/from an offline DICOM CD-R, DVD+R or USB 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, DVD+R or USB medium.

Import:

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

Addition:

- Reads a File-set of the USB medium and writes it to the local storage device.
- Adds the instances to the File-set, then writes it to the medium.
- Modifies the DICOMDIR file.

Note: The Offline-Media AE can update files created by the product itself.

5.1.3 Sequencing of Real-World Activities

5.1.3.1 Activity – Export Instances

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

The operations for "Export Instances" are described below:

- Step-1: Select the instances on the local storage device to be created to the medium.
- Step-2: Request to copy to the medium.

5.1.3.2 Activity – Import Instances

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

The operations for "Import Instances" are described below:

- Step-1: Select the instances on the medium to be retrieved to the local storage device.
- Step-2: Request to copy to the local storage device.

5.1.3.3 Activity – Add Instances

Operator requests to add new objects to an already existing File-set on the USB medium. The requests are placed in a queue and are executed in the background.

The operations for "Add Instances" are described below:

- Step-1: Select the instances on the local storage device to be added to the medium.
- Step-2: Request to copy to the medium.

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	1.2.392.200036.9116.6.15.1000.1
Implementation Version Name	TM_ARTIDA_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-GEN-CD, AUG-GEN-DVD	Export Instances	FSC	Interchange
	Import Instances	FSR	Interchange
AUG-GEN-USB	Export Instances	FSC	Interchange
	Import Instances	FSR	Interchange
	Add Instances	FSU	Interchange

5.2.1.1 File Meta Information for the Application Entity

The Source Application Entity Title is the local AE title of Storage SCP.

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity – Export Instances

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, DVD+R or USB medium.

5.2.1.2.1.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD, AUG-GEN-DVD and AUG-GEN-USB Application Profiles.

5.2.1.2.1.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1.

5.2.1.2.2 Activity – Import Instances

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

5.2.1.2.2.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-CD, AUG-GEN-DVD and AUG-GEN-USB Application Profiles.

5.2.1.2.2.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1.

5.2.1.2.3 Activity – Add Instances

The Offline-Media AE acts as an FSU using the interchange option when requested to add SOP Instances from the local database to a USB medium.

5.2.1.2.3.1 Media Storage Application Profiles

The Offline-Media AE supports the AUG-GEN-USB Application Profiles.

5.2.1.2.3.1.1 Options

The Offline-Media AE supports the SOP Classes and Transfer Syntaxes listed in Table 5.3-1.

5.3 AUGMENTED AND PRIVATE APPLICATION PROFILES

5.3.1 Augmented Application Profiles

5.3.1.1 Augmented Application Profiles – AUG-GEN-CD, AUG-GEN-DVD and AUG-GEN-USB

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
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
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
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		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	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline (Process 1)	1.2.840.10008.1.2.4.50
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70
		RLE Lossless	1.2.840.10008.1.2.5
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Explicit VR Little Endian	1.2.840.10008.1.2.1

5.3.1.1.2 Directory Augmentations

Not applicable.

5.3.1.1.3 Other Augmentations

Not applicable.

5.3.2 Private Application Profiles

Not applicable.

5.4 MEDIA CONFIGURATION

Not applicable.

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 instances 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. SECURITY

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 an Enhanced SR transmitted by the Storage SCU AE.

Table 8.1-5 specifies the attributes of a Comprehensive SR transmitted by the Storage SCU AE.

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 8.1-15	ALWAYS
Image	General Image	Table 8.1-11	ALWAYS
	Image Pixel	Table 8.1-12	ALWAYS
	SC Image	Table 8.1-16	Not Present
	Overlay Plane	--	Not Present
	Modality LUT	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-17	ALWAYS
	Private Application	Table 8.1-13	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 8.1-14	ALWAYS
	US Image	Table 8.1-18	ALWAYS
	Overlay Plane	--	Not Present
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-19	ALWAYS
	Private Application	Table 8.1-13	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 8.1-20	ALWAYS
	Multi-frame	Table 8.1-21	ALWAYS
	Frame Pointers	--	Not Present
	Palette Color Lookup Table	--	Not Present
	US Region Calibration	Table 8.1-14	ALWAYS
	US Image	Table 8.1-22	ALWAYS
	VOI LUT	--	Not Present
	SOP Common	Table 8.1-23	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.4 Enhanced SR IOD

Table 8.1-4
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 8.1-24	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-25	ALWAYS
	SR Document Content	Table 8.1-26 Table 8.1-48	ALWAYS
	SOP Common	Table 8.1-50	ALWAYS
	Private Application	Table 8.1-13	ALWAYS

8.1.1.5 Comprehensive SR IOD

Table 8.1-5
IOD OF CREATED COMPREHENSIVE 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 8.1-24	ALWAYS
	Clinical Trial Series	--	Not Present
Equipment	General Equipment	Table 8.1-10	ALWAYS
Document	SR Document General	Table 8.1-25	ALWAYS
	SR Document Content	Table 8.1-26 Table 8.1-48	ALWAYS
	SOP Common	Table 8.1-51	ALWAYS
	Private Application	Table 8.1-13	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		ALWAYS	MWL/ USER
Patient's Birth Date	(0010,0030)	DA	"18581118" will be entered if no value is supplied from Modality Worklist or user input.	ALWAYS	MWL/ USER
Patient's Sex	(0010,0040)	CS		VNAP	MWL/ USER
Ethnic Group	(0010,2160)	SH		VNAP	MWL/ USER
Patient Comments	(0010,4000)	LT	Comment from Modality Worklist or user input will be edited in the following format: <"Insurance="Health Insurance Information<LINEFEED> Comment>.	ALWAYS	MWL/ USER

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	ANAP	USER
Study Comments	(0032,4000)	LT	Additional Info from user input will be edited in the following format: <"BSA="BSA Information<LINEFEED> "BSAType="BSA Type Information>.	ALWAYS	USER
Referenced Study Sequence	(0008,1110)	SQ		ANAP	MWL

>Referenced SOP Class UID	(0008,1150)	UI		ANAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	MWL

Table 8.1-8
PATIENT STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Age	(0010,1010)	AS		ANAP	AUTO
Patient's Size	(0010,1020)	DS		VNAP	MWL/ USER
Patient's Weight	(0010,1030)	DS		VNAP	MWL/ USER

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	AUTO
Series Instance UID	(0020,000E)	UI		ALWAYS	AUTO
Series Number	(0020,0011)	IS		ALWAYS	AUTO
Series Date	(0008,0021)	DA		ALWAYS	AUTO
Series Time	(0008,0031)	TM		ALWAYS	AUTO
Performing Physician's Name	(0008,1050)	PN		VNAP	MWL/ USER
Protocol Name	(0018,1030)	LO		ALWAYS	MWL/ USER
Series Description	(0018,103E)	LO	Blood Pressure from user input will be edited in the following format: <"BloodPressure="Blood Pressure Information">.	ANAP	AUTO
Operator's Name	(0008,1070)	PN		VNAP	USER
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ		ANAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI		ANAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI		ANAP	MWL
Request Attributes Sequence	(0040,0275)	SQ		ANAP	MWL
>Requested Procedure ID	(0040,1001)	SH		ANAP	MWL
>Scheduled Procedure Step ID	(0040,0009)	SH		ANAP	MWL
>Scheduled Procedure Step Description	(0040,0007)	LO	See Table 4.2-44 Notes	ANAP	MWL
>Scheduled Protocol Code Sequence	(0040,0008)	SQ		ANAP	MWL

Performed Procedure Step ID	(0040,0253)	SH		ANAP	MWL/ AUTO
Performed Procedure Step Start Date	(0040,0244)	DA		ANAP	AUTO
Performed Procedure Step Start Time	(0040,0245)	TM		ANAP	AUTO
Performed Procedure Step Description	(0040,0254)	LO		ANAP	MWL
Performed Protocol Code Sequence	(0040,0260)	SQ		ANAP	MWL
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO

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_US	ALWAYS	AUTO
Institution Name	(0008,0080)	LO		ALWAYS	CONFIG
Institution Address	(0008,0081)	ST		ALWAYS	CONFIG
Station Name	(0008,1010)	SH		ALWAYS	CONFIG
Institutional Department Name	(0008,1040)	LO		ALWAYS	CONFIG
Manufacturer's Model Name	(0008,1090)	LO	SSH-880CV	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO		ALWAYS	AUTO
Software Version	(0018,1020)	LO	AA_V3.20*Rxxx	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		ALWAYS	AUTO
Patient Orientation	(0020,0020)	CS		EMPTY	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	ANAP	AUTO
Acquisition Date	(0008,0022)	DA		ALWAYS	AUTO

Acquisition Time	(0008,0032)	TM		ALWAYS	AUTO
Derivation Description	(0008,2111)	ST		ANAP	AUTO
Burned In Annotation	(0028,0301)	CS		ALWAYS	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		ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS		ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US		ANAP	AUTO
Rows	(0028,0010)	US	720 or 1024	ALWAYS	AUTO
Columns	(0028,0011)	US	960 or 1280	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 8.1-13
PRIVATE APPLICATION MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Private Creator	(0029,00xx)	LO		ALWAYS	AUTO
Application Header Type	(0029,xx08)	CS		ALWAYS	AUTO
Application Header Version	(0029,xx09)	LO		ALWAYS	AUTO
Application Header Data	(0029,xx10)	OB		ALWAYS	AUTO
Application Header Type	(0029,xx89)	LO		ALWAYS	AUTO
Application Header Data	(0029,xx90)	OB		ALWAYS	AUTO
Private Creator	(7015,00xx)	LO		ALWAYS	AUTO
Application Header Data	(7015,xx60)	OB		ANAP	AUTO
Application Header Sequence	(7015,xx73)	SQ		ALWAYS	AUTO

8.1.1.7 US Region Calibration Module

Table 8.1-14
US REGION CALIBRATION MODULE

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ		ALWAYS	AUTO
>Region Spatial Format	(0018,6012)	US		ALWAYS	AUTO
>Region Data Type	(0018,6014)	US		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		ANAP	AUTO
>Doppler Correction Angle	(0018,6034)	FD		ANAP	AUTO
>Steering Angle	(0018,6036)	FD		ANAP	AUTO
>Doppler Sample Volume X Position	(0018,6038)	UL		ANAP	AUTO
>Doppler Sample Volume Y Position	(0018,603A)	UL		ANAP	AUTO
>TM-Line Position x0	(0018,603C)	UL		ANAP	AUTO
>TM-Line Position y0	(0018,603E)	UL		ANAP	AUTO
>TM-Line Position x1	(0018,6040)	UL		ANAP	AUTO
>TM-Line Position y1	(0018,6042)	UL		ANAP	AUTO

8.1.1.8 SC Image Modules

Table 8.1-15
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 8.1-16
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 8.1-17
SOP COMMON MODULE OF CREATED SC IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	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

8.1.1.9 US Image Modules

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

Attribute Name	Tag	VR	Value	Presence of Value	Source
Transducer Data	(0018,5010)	LO		ALWAYS	AUTO
Focus Depth	(0018,5012)	DS		ALWAYS	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO
Bone Thermal Index	(0018,5024)	DS		ALWAYS	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ALWAYS	AUTO
Depth of Scan Field	(0018,5050)	IS		ALWAYS	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US		ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS		ALWAYS	CONFIG
Planar Configuration	(0028,0006)	US		ANAP	AUTO
Rows	(0028,0010)	US	720	ALWAYS	USER
Columns	(0028,0011)	US	960	ALWAYS	USER
Ultrasound Color Data Present	(0028,0014)	US		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 8.1-19
SOP COMMON MODULE OF CREATED US IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	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

8.1.1.10 US Multi-frame Image Modules

Table 8.1-20
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 8.1-21
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 8.1-22
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 Data	(0018,5010)	LO		ALWAYS	AUTO
Focus Depth	(0018,5012)	DS		ALWAYS	AUTO
Mechanical Index	(0018,5022)	DS		ALWAYS	AUTO

Bone Thermal Index	(0018,5024)	DS		ALWAYS	AUTO
Soft Tissue Thermal Index	(0018,5027)	DS		ALWAYS	AUTO
Depth of Scan Field	(0018,5050)	IS		ALWAYS	AUTO
Transducer Type	(0018,6031)	CS		ALWAYS	AUTO
Samples per Pixel	(0028,0002)	US		ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS		ALWAYS	AUTO
Planar Configuration	(0028,0006)	US		ALWAYS	AUTO
Rows	(0028,0010)	US	660 or 720	ALWAYS	AUTO
Columns	(0028,0011)	US	416, 480 or 960	ALWAYS	AUTO
Ultrasound Color Data Present	(0028,0014)	US		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
Stage Code Sequence	(0040,000A)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
View Code Sequence	(0054,0220)	SQ		ANAP	AUTO
>Code Value	(0008,0100)	SH		ANAP	AUTO
>Coding Scheme Designator	(0008,0102)	SH		ANAP	AUTO
>Coding Scheme Version	(0008,0103)	SH		ANAP	AUTO
>Code Meaning	(0008,0104)	LO		ANAP	AUTO
Pixel Data	(7FE0,0010)	OB		ALWAYS	AUTO

Table 8.1-23
SOP COMMON MODULE OF CREATED US MULTI-FRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	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

8.1.1.11 Enhanced/Comprehensive SR Modules**Table 8.1-24****SR DOCUMENT SERIES MODULE OF CREATED ENHANCED/COMPREHENSIVE 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 8.1-25**SR DOCUMENT GENERAL MODULE OF CREATED ENHANCED/COMPREHENSIVE 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	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 8.1-26
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE 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	ISO0639-2	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

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>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	millimeter of mercury	ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>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	millimeter of mercury	ALWAYS	AUTO
>>>Numeric Value	(0040,A30A)	DA		ALWAYS	AUTO
>>Relationship Type	(0040,A010)	CS	CONTAINS	ANAP	AUTO
>>Value Type	(0040,A040)	CS	NUM	ANAP	AUTO
>>Concept Name Code Sequence	(0040,A043)	SQ		ANAP	AUTO
>>>Code Value	(0008,0100)	SH	8277-6	ANAP	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	Body Surface Area	ANAP	AUTO
>>Measured Value Sequence	(0040,A300)	SQ		ANAP	AUTO
>>>Measured Units Code Sequence	(0040,08EA)	SQ		ANAP	AUTO
>>>>Code Value	(0008,0100)	SH	m2	ANAP	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	UCUM	ANAP	AUTO
>>>>Code Meaning	(0008,0104)	LO	m^2	ANAP	AUTO
>>>Numeric Value	(0040,A30A)	DS		ANAP	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

Attribute Name	Tag	VR	Value	Presence of Value	Source
>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	CV	ALWAYS	AUTO
			CSD		
			CM		
>>>Coding Scheme designator	(0008,0102)	SH	T-32600	ALWAYS	AUTO
			T-32300		
			T-32500		
>>>Code Meaning	(0008,0104)	LO	T-35400	ALWAYS	AUTO
			T-35300		
			T-48581		
			T-35100		
			T-35200		
			3270000		
			3270001		
			P5-30031		
			T-32200		
			T-42000		
>>>Relationship Type	(0040,A010)	CS	CONTAINS	ALWAYS	AUTO
			CONTAINER		
>>Value Type	(0040,A040)	CS		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

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>Code Value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
>>>>Coding Scheme Designator	(0008,0102)	SH	G-03A2	SRT	2D mode	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	G-0394	SRT	M mode	ALWAYS	AUTO
			03210001	TSBus	Doppler mode		
>>>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 Name Code Sequence	(0040,A043)	SQ				ALWAYS	AUTO

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>>Code Value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	G-0391	SRT	Medial Mitral Annulus	ALWAYS	AUTO
			G-0392	SRT	Lateral Mitral Annulus		
			T-35313	SRT	Mitral Annulus		
			T-32600	SRT	Left Ventricle		
			T-32650	SRT	Left Ventricle Outflow Tract		
>>>>>Code Meaning	(0008,0104)	LO	T-32550	SRT	Right Ventricle Outflow Tract	ALWAYS	AUTO
			T-35300	SRT	Mitral Valve		
			T-42000	SRT	Aorta		
			T-35111	SRT	Tricuspid Annulus		
>>>>>Code Meaning	(0008,0104)	LO	T-35410	SRT	Aortic Valve Ring	ALWAYS	AUTO
			D4-31150	SRT	Ventricular Septal Defect		
			D4-31220	SRT	Atrial Septal Defect		
>>>>>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 Name Code Sequence	(0040,A043)	SQ				ALWAYS	AUTO
>>>>>>Code Value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	R-404A0	SRT	Right Upper Segment	ALWAYS	AUTO
			R-4049E	SRT	Right Lower Segment		
			R-40491	SRT	Left Upper Segment		
			R-4214B	SRT	Left Lower Segment		
>>>>>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-40899			ALWAYS	AUTO
>>>>>>Coding Scheme Designator	(0008,0102)	SH	SRT			ALWAYS	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	Respiratory Cycle Point			ALWAYS	AUTO
>>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO
>>>>>>Code value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
>>>>>>Coding Scheme designator	(0008,0102)	SH	F-20010	SRT	During Inspiration	ALWAYS	AUTO
>>>>>>Code Meaning	(0008,0104)	LO	F-20020	SRT	During Expiration	ALWAYS	AUTO
>>>>>Relationship Type	(0040,A010)	CS	HAS CONCEPT MOD			ALWAYS	AUTO
>>>>>Value Type	(0040,A040)	CS	CODE			ALWAYS	AUTO

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>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	CV	CSD	CM	ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	F-32010	SRT	Diastole	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	F-32011	SRT	End Diastole	ALWAYS	AUTO
			F-32020	SRT	Systole		
			109070	DCM	End Systole		
>>>>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	CV	CSD	CM	ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	125204	DCM	Area-Length Biplane	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	125205	DCM	Area-Length Single Plane	ALWAYS	AUTO
			125206	DCM	Cube Method		
			125207	DCM	Method of Disks, Biplane		
			125208	DCM	Method of Disks, Single Plane		
			125209	DCM	Teichholz		
			125210	DCM	Area by Pressure Half-Time		
			125215	DCM	Continuity Equation by Velocity Time Integral		
			125216	DCM	Proximal Isovelocity Surface Area		
			125218	DCM	Simplified Bernoulli		
			125221	DCM	Left Ventricle Mass by M-mode		
			125222	DCM	Left Ventricle Mass by Truncated Ellipse		
			03500000	TSBus	Bullet Method		
			0317000A	TSBus	Gibson Method		
>>>>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

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>>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	CV	CSD	CM	ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	G-A19B	SRT	Apical two chamber	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	G-A19C	SRT	Apical four chamber	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-C048			ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	SRT			ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Flow Direction			ALWAYS	AUTO
>>>>>Concept Code Sequence	(0040,A168)	SQ				ALWAYS	AUTO
>>>>>Code value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
>>>>>Coding Scheme designator	(0008,0102)	SH	R-42047	SRT	Antegrade Flow	ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	R-42E61	SRT	Regurgitant Flow	ALWAYS	AUTO

Following Figure 8.1-1 shows same meanings of Table 8.1-26 SR Document content module in a more graphical and structural way.

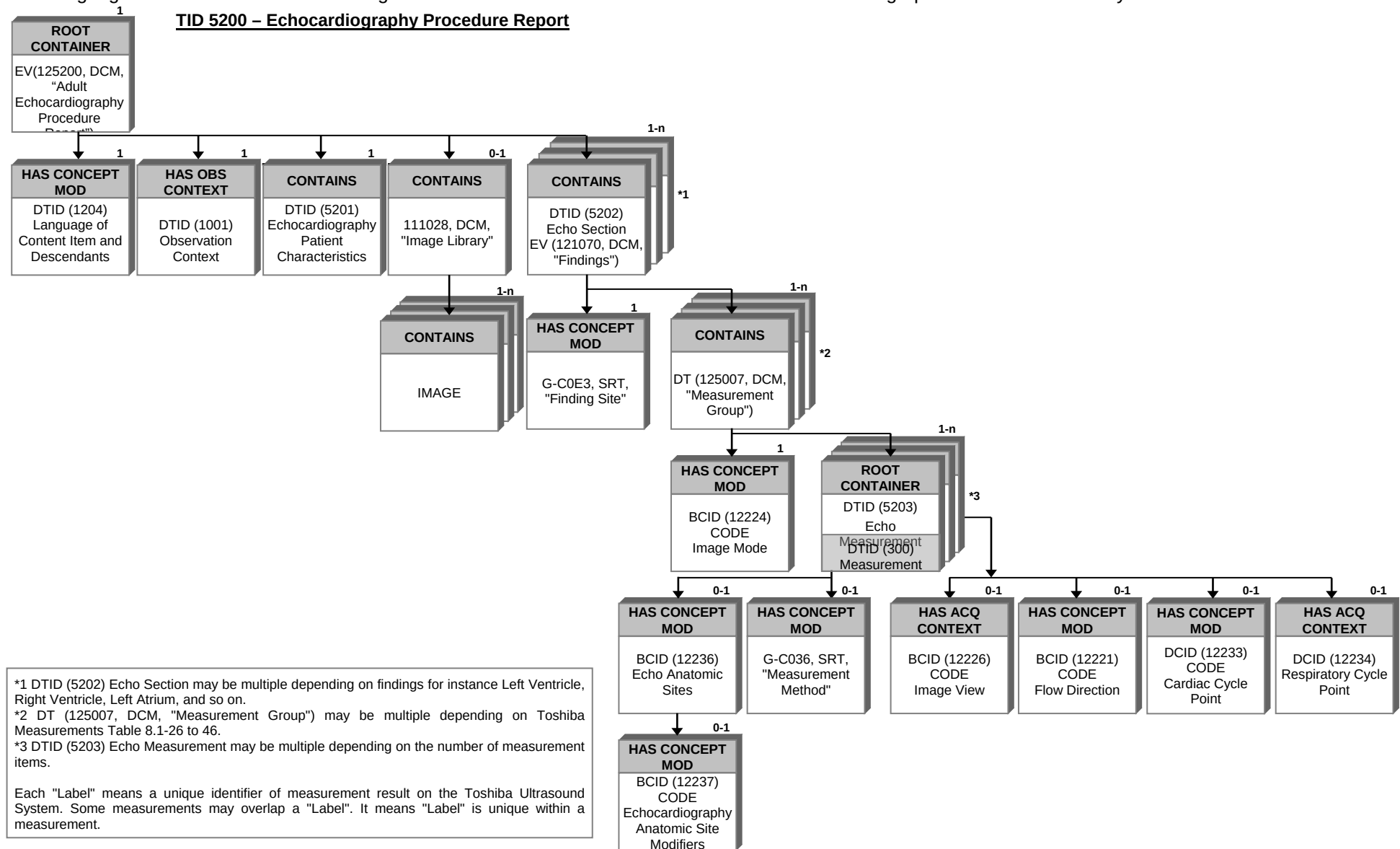


Figure 8.1-1 TID 5200 – Echocardiography Procedure Report

Table 8.1-27 to 46 shows the relationship between Toshiba unique identifiers "Label" and DICOM tags structures.
Note: Section and Label are just for internal use, and those values are not output.

Table 8.1-27 Cardiac 2D-Mode LV measurement (MOD Simpson method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LVA2	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
	LVL2	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
	LVA2	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
	LVL2	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
	LVA4	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
	LVL4	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
	LVA4	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
	LVL4	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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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 Atrium Width	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
	LA H	TSBus	03010006	Left Atrium Height	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
	LA D	TSBus	03010007	Left Atrium Depth	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
	HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode									
	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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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_BP MOD	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
	LVLs Diff	TSBus	03010001	LV_Ldiff_s_BP MOD	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	0301000C	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	0301000C	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			

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LA_VI	TSBus	0301000A	Left Atrium Volume Index 3 axis method	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole			
	LAV(AL)	TSBus	03010010	Left Atrium Volume Biplane Area-Length	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane
	LAVI(AL)	TSBus	0301000C	Left Atrium Volume Index	SRT	T-32300	Left Atrium	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	DCM	125204	Area-Length Biplane

Table 8.1-28 Cardiac 2D-Mode LV measurement (Teichholz method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4 Section	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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
3 Section	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	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125209	Teichholz

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
2 Section	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
	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									

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz

Section	Label	TID (5203) Echo 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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz

Table 8.1-29 Cardiac 2D-Mode LV measurement (Cube method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4Section	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
3Section	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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method
2Section	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
	EDV	LN	18026-5	Left Ventricular End Diastolic Volume	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125206	Cube Method

Section	Label	TID (5203) Echo 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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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									
	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	TSBus	03030006	Mass ASECube with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube

Table 8.1-30 Cardiac 2D-Mode LV measurement (Gibson method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4Section	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
3Section	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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	0317000A	Gibson Method
2Section	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
	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									

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	0303000A	Mass ASECube with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000A	Mass ASECube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000B	Mass PennCube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000C	Mass Teichholz with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				SRT	F-32011	End Diastole	TSBus	0303000D	Mass AVCube with Gibson

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000A	Mass ASECube with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000B	Mass PennCube with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000C	Mass Teichholz with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode				DCM	109070	End Systole	TSBus	0303000D	Mass AVCube with Gibson

Table 8.1-31 Cardiac 2D-Mode LV measurement (Single plane method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LVALd	SRT	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	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	SRT	G-0395	Apical long axis	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

Section	Label	TID (5203) Echo 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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	HR	LN	8867-4	Heart Rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125205	Area-Length Single Plane
	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

Table 8.1-32 Cardiac 2D-Mode LV measurement (Biplane method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LVALd	LN	G-0375	Left Ventricular Diastolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	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	G-039A	Parasternal short axis at the Mitral Valve level	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	SRT	G-0395	Apical long axis				DCM	125204	Area-Length Biplane
	LVALs	SRT	G-0374	Left Ventricular Systolic Area	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	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	SRT	G-039A	Parasternal short axis at the Mitral Valve level	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	SRT	G-0395	Apical long axis	DCM	109070	End Systole	DCM	125204	Area-Length Biplane
	HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							DCM	125204	Area-Length Biplane
	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

Table 8.1-33 Cardiac 2D-Mode LV measurement (Bullet method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LVAMd	LN	29436-3	Left Ventricle Internal End Diastolic Dimension	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-039A	Parasternal short axis at the Mitral Valve level				TSBus	03500000	Bullet Method
	LVLd	LN	18077-8	Left Ventricle diastolic major axis	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode	SRT	G-0395	Apical long axis	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	SRT	G-039A	Parasternal short axis at the Mitral Valve level	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	SRT	G-0395	Apical long axis	DCM	109070	End Systole	TSBus	03500000	Bullet Method
	HR	LN	8867-4	Heart Rate	SRT	T-32600	Left Ventricle	SRT	G-03A2	2D mode							TSBus	03500000	Bullet Method
	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

Table 8.1-34 Cardiac M-Mode Aortic Valve measurement

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve							DCM	109070	End Systole			
	LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve							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									

Table 8.1-35 Cardiac M-Mode Mitral Valve measurement

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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									

Table 8.1-36 Cardiac M-Mode LV measurement (Teichholz method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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
3Section	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
	HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125209	Teichholz
2Section	ET	DCM	122211	Left Ventricular Ejection Time	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32020	Systole	DCM	125209	Teichholz
	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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
	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									
	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									
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030003	Mass PennCube with Teichholz

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030002	Mass ASECube with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030003	Mass PennCube with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030004	Mass Teichholz with Teichholz
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030005	Mass AVCube with Teichholz

Table 8.1-37 Cardiac M-Mode LV measurement (Cube method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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
3Section	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
	HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							DCM	125206	Cube Method
2Section	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
	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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
	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									
	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									
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Cube
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Cube

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Cube
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Cube

Table 8.1-38 Cardiac M-Mode LV measurement (Gibson method)

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
4Section	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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
3Section	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
	HR	LN	8867-4	Heart rate	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode							TSBus	0317000A	Gibson Method
2Section	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
	RVD	LN	20304-2	Right Ventricular Internal Diastolic Dimension	SRT	T-32500	Right 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

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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
	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									
	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									
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Gibson
	LV MASSd	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030006	Mass ASECube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030007	Mass PennCube with Gibson
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030008	Mass Teichholz with Gibson

Section	Label	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 Phase			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	LV MASSd Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				SRT	F-32011	End Diastole	TSBus	03030009	Mass AVCube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Gibson
	LV MASSs	LN	18087-7	Left Ventricle Mass	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030006	Mass ASECube with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030007	Mass PennCube with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030008	Mass Teichholz with Gibson
	LV MASSs Index	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle	SRT	G-0394	M mode				DCM	109070	End Systole	TSBus	03030009	Mass AVCube with Gibson

Table 8.1-39 Cardiac Doppler-Mode Aortic Valve measurement

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	AoV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	AoV VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	AoV VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	AoV MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	AoV PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	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	SRT	R-42047	Antegrade Flow			
	LVOT VM	LN	20352-1	Mean Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	LVOT VP	LN	11726-7	Peak Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	LVOT MPG	DCM	122197	Gradient pressure, average	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	LVOT PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	LVOT Diam	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	DCM	109070	End Systole						
	AcT	LN	20168-1	Acceleration 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				SRT	R-42047	Antegrade Flow			
	AoV PG	LN	20247-3	Peak Gradient	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	LVOT Vel	LN	11653-3	End Diastolic Velocity	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode				SRT	R-42047	Antegrade Flow			
	LVOT PG	LN	20247-3	Peak Gradient	SRT	T-32600	Left Ventricle	TSBus	03210001	Doppler mode	SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	AR VM	LN	20352-1	Mean Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	AR VP	LN	11726-7	Peak Velocity	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	AR MPG	DCM	122197	Gradient pressure, average	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	AR PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	AR Vmax	TSBus	03070006	AR Vmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	AR Ved	TSBus	03070007	AR Ved	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	Time	LN	20217-6	Deceleration Time	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	DecelRate	LN	20216-8	Deceleration Slope	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	AR PGmax	TSBus	03070008	AR PGmax	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	AR PGed	TSBus	03070009	AR PGed	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	DecelRate	LN	20216-8	Deceleration Slope	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode	SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	Ao Diam	LN	18015-8	Aortic Root Diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	DCM	109070	End Systole						
	LA Diam	TSBus	030D0001	Left atrial diameter	SRT	T-35400	Aortic Valve	SRT	G-03A2	2D mode	SRT	F-32011	End Diastole						
	HR	LN	8867-4	Heart Rate	SRT	T-35400	Aortic Valve	TSBus	03210001	Doppler mode									
	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	SRT	F-32020	Systole				DCM	125215	Continuity Equation by Velocity Time Integral

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000B	Equation by Stroke volume
	Qp/Qs (CO)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-30031	Cardiac Shunt Study	TSBus	03210001	Doppler mode							TSBus	0307000C	Equation by Cardiac Output
	AcT/ET	SRT	G-0382	Ratio of Aortic Valve Acceleration 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				SRT	R-42E61	Regurgitant Flow			
	R Vol (AoV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Aortic Valve	TSBus	03210001	Doppler mode				SRT	R-42E61	Regurgitant Flow			
	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						

Table 8.1-40 Cardiac Doppler-Mode Mitral Valve measurement

Section	Label	TID (5203) Echo 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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	A' lat	TSBus	03090004	Myocardial Velocity of A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	E' sep	TSBus	0309000E	Myocardial Velocity of E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	A' sep	TSBus	0309000F	Myocardial Velocity of A' sep	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	SRT	R-42047	Antegrade Flow			
	DcT	SRT	G-0384	Mitral Valve E-wave Deceleration Time	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	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
	A Vel	LN	17978-8	Mitral Valve A-wave Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	E' lat	TSBus	03090003	Myocardial Velocity of E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	E' Vel	TSBus	03090010	Mean Myocardial Velocity of E' sep and E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	A' Vel	TSBus	03090011	Mean Myocardial Velocity of A' sep and A' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole						
	E/E' sep	TSBus	03090012	Ratio of Mitral Valve E to E' sep	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	E/E' lat	TSBus	03090014	Ratio of Mitral Valve E to E' lat	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
	E Dur	TSBus	03090001	Mitral Valve E-wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	A Dur	SRT	G-0385	Mitral Valve A-Wave duration	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	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	SRT	R-42047	Antegrade Flow			
	MV VP	LN	11726-7	Peak Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	MV VM	LN	20352-1	Mean Velocity	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	MV PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	MV MPG	DCM	122197	Gradient pressure, average	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	MV DistA	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19C	Apical four chamber	SRT	F-32010	Diastole						
	MV DistB	SRT	G-038F	Cardiovascular Orifice Diameter	SRT	T-35300	Mitral Valve	SRT	G-03A2	2D mode	SRT	G-A19B	Apical two chamber	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	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												
	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	SRT	R-42E61	Regurgitant Flow			
	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						

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	SRT	R-42E61	Regurgitant Flow			
	dt	TSBus	03090008	D_MV_DPD TM 1M3_s_MCR_TIME	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
	Vel1	TSBus	03090009	D_MV_DPD TM 1M3_s_MCR_VELOCITY_1	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole						
	Vel2	TSBus	0309000A	D_MV_DPD TM 1M3_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	03090013	Ratio of Mitral Valve E to E'	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	SRT	F-02320	Mitral Valve Area	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole				DCM	125210	Area by Pressure Half-Time
	RF (MV)	SRT	G-0390	Regurgitant Fraction	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
	R Vol (MV)	TSBus	0309000D	Regurgitation volume	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
	Diff A Dur	TSBus	0309000C	Diff A Dur	SRT	T-35300	Mitral Valve	TSBus	03210001	Doppler mode												

Table 8.1-41 Cardiac Doppler-Mode Pulmonary vein blood flow waveform measurement

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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												

Table 8.1-42 Cardiac Doppler-Mode Tricus measurement

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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 (diastole)	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	TV VP (diastole)	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	TV VM (diastole)	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow			
	TV PPG (diastole)	DCM	122198	Gradient Pressure, Peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	TV MPG (diastole)	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	TR VTI (systole)	LN	20354-7	Velocity Time Integral	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
	TR VP (systole)	LN	11726-7	Peak Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
	TR VM (systole)	LN	20352-1	Mean Velocity	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
	TR PPG (systole)	DCM	122198	Gradient Pressure, Peak	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	TR MPG (systole)	DCM	122197	Gradient pressure, average	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow	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	SRT	R-42E61	Regurgitant Flow			
	TR PGmax	TSBus	03150002	MaximumTricuspid Valve regurgitation pressure gradient	SRT	T-35100	Tricuspid Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42E61	Regurgitant Flow			
	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												

Table 8.1-43 Cardiac Doppler-Mode Pulmonary valve measurement

Section	Label	TID (5203) Echo 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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	PV VTI	LN	20354-7	Velocity Time Integral	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	PV VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	PV VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow			
	PV PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	PV MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	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	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
	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	SRT	R-42E61	Regurgitant Flow			
	PR VP	LN	11726-7	Peak Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	PR VM	LN	20352-1	Mean Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow			
	PR PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	PR MPG	DCM	122197	Gradient pressure, average	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32010	Diastole	SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	PR Ved	LN	11653-3	End Diastolic Velocity	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode							SRT	R-42E61	Regurgitant Flow			
	PR PGed	TSBus	030B0003	Pressure gradient on PV regurgitation waveform	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32011	End Diastole	SRT	R-42E61	Regurgitant Flow			

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	PV Vmax	TSBus	030B0006	PV Vmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Diastole	SRT	R-42047	Antegrade Flow			
	PV PGmax	TSBus	030B0007	PV PGmax	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode				SRT	F-32020	Systole	SRT	R-42047	Antegrade Flow	DCM	125218	Simplified Bernoulli
	RA Press	SRT	F-03DE9	Right Atrial Pressure	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												
	AcT/ET	SRT	G-0388	Ratio of Pulmonic Valve Acceleration 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)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-3003 1	Cardiac Shunt Study	TSBus	03210001	Doppler mode										TSBus	0307000B	Equation by Stroke volume
	Qp/Qs (CO)	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	SRT	P5-3003 1	Cardiac Shunt Study	TSBus	03210001	Doppler mode										TSBus	0307000C	Equation by Cardiac Output
	PA Press	TSBus	030B0001	P_HT_PAPed	SRT	T-35200	Pulmonic Valve	TSBus	03210001	Doppler mode												

Table 8.1-44 Extra Measurements LV Mass AL (Area-Length)

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-45 Extra Measurements LV Mass TE (Truncated Ellipsoid)

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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	TSBus	03030001	Left Ventricular Mass divided by Body Surface Area	SRT	T-32600	Left Ventricle							SRT	F-32011	End Diastole						

Table 8.1-46 Extra Measurements PISA

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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										SRT	R-42E61	Regurgitant Flow			
	VTI	LN	20354-7	Velocity Time Integral	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
	PPG	DCM	122198	Gradient Pressure, Peak	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	MPG	DCM	122197	Gadient Pressure, average	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125218	Simplified Bernoulli
	Flow Rate	LN	34141-2	Peak Instantaneous Flow Rate	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			
	EOArea	TSBus	03250003	Effective Opening area	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow	DCM	125216	Proximal Isovelocity Surface Area
	FlowVol	LN	33878-0	Volume flow	SRT	T-32600	Left Ventricle										SRT	R-42E61	Regurgitant Flow			

Table 8.1-47 Extra Measurements Coronary

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	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													TSBus	03270011	Coronary Vasodilation
	(RCA) VP base	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery															
	(RCA) VM base	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery															
	(RCA) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery															
	(RCA) PHT (base)	LN	20280-4	Pressure half time	TSBus	3270000	Right Coronary Artery															

Section	Label	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 Phase			TID (5203) Echo Measurement Flow Direction			DTID (300) Measurement Measurement Method		
		CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
	(RCA) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(RCA) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(RCA) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(RCA) PHT (Hyper)	LN	20280-4	Pressure half time	TSBus	3270000	Right Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(RCA) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270000	Right Coronary Artery															
	(RCA) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270000	Right Coronary Artery															
	(RCA) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270000	Right Coronary Artery															
	(LAD) Vel Base	TSBus	0327000B	Flow velocity before loading	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) Vel Hyper	TSBus	0327000C	Flow velocity after loading	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(LAD) VP base	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) VM base	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) DcT (base)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) PHT (base)	LN	20280-4	Pressure half time	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) VP Hyper	LN	11726-7	Peak Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(LAD) VM Hyper	LN	20352-1	Mean Velocity	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(LAD) DcT (Hyper)	LN	20217-6	Deceleration Time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(LAD) PHT (Hyper)	LN	20280-4	Pressure half time	TSBus	3270001	Left Anterior Descending Coronary Artery													TSBus	03270011	Coronary Vasodilation
	(LAD) CFR Vel Ratio	TSBus	0327000D	Vel hyper/Vel base	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) CFR VP Ratio	TSBus	0327000E	VP hyper/VP base	TSBus	3270001	Left Anterior Descending Coronary Artery															
	(LAD) CFR VM Ratio	TSBus	0327000F	VM hyper/VM base	TSBus	3270001	Left Anterior Descending Coronary Artery															

Table 8.1-48
SR DOCUMENT CONTENT MODULE OF CREATED ENHANCED/COMPREHENSIVE 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

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>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

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>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

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>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	CV	CSD	CM	ALWAYS	AUTO
			T-45005	SRT	Artery of neck		
			T-47020	SRT	Artery Of Upper Extremity		
>>>Coding Scheme designator	(0008,0102)	SH	T-40501	SRT	Blood Vessel of Head	ALWAYS	AUTO
			T-47040	SRT	Artery of Lower Extremity		
			T-49403	SRT	Vein of Lower Extremity		
>>>Code Meaning	(0008,0104)	LO	T-49103	SRT	Vein Of Upper Extremity	ALWAYS	AUTO
			T-71019	SRT	Vascular Structure Of Kidney		
>>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	CV	CSD	CM	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	G-A100	SRT	Right	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	G-A101	SRT	Left	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

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>Code Value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
			T-45100	SRT	Common Carotid Artery		
>>>Coding Scheme Designator	(0008,0102)	SH	T-45200	SRT	External Carotid Artery	ALWAYS	AUTO
			T-45300	SRT	Internal Carotid Artery		
>>>Code Meaning	(0008,0104)	LO	T-45700	SRT	Vertebral Artery	ALWAYS	AUTO
			T-46100	SRT	Subclavian Artery		
			T-46010	SRT	Innominate Artery		
>>Continuity of Content	(0040,A050)	CS	SEPARATE			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	CV	CSD	CM	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	G-A118	SRT	Proximal	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	G-A119	SRT	Distal	ALWAYS	AUTO
			G-A188	SRT	Mid-longitudinal		
			G-036A	SRT	Origin of vessel		
			R-1025B	SRT	Dilated portion of segment		
>>>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	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	CV	CSD	CM	ALWAYS	AUTO
>>>>Coding Scheme designator	(0008,0102)	SH	G-A100	SRT	Right	ALWAYS	AUTO
>>>>Code Meaning	(0008,0104)	LO	G-A101	SRT	Left	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

Attribute Name	Tag	VR	Value			Presence of Value	Source
>>>>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	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	121401			ALWAYS	AUTO
>>>>>Coding Scheme Designator	(0008,0102)	SH	DCM			ALWAYS	AUTO
>>>>>Code Meaning	(0008,0104)	LO	Derivation			ALWAYS	AUTO
>>>>>Concept Code Sequence	(0040,A160)	SQ				ALWAYS	AUTO
>>>>>Code value	(0008,0100)	SH	CV	CSD	CM	ALWAYS	AUTO
			R-002E1	SRT	Best value		
			R-00317	SRT	Mean		
			R-00319		Median		
			R-0032E	SRT	Mode		
			R-00355	SRT	Point source measurement		
			R-00353	SRT	Peak to peak		
			R-41D27	SRT	Visual estimation		
			R-10260	SRT	Estimated		
			R-41D2D	SRT	Calculated		
			R-41D41	SRT	Measured		
			G-A437	SRT	Maximum		
>>>>>Coding Scheme designator	(0008,0102)	SH				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	CV	CSD	CM	ALWAYS	AUTO
			109070	DCM	End Systole		
			F-32011	SRT	End Diastole		
>>>>>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

Attribute Name	Tag	VR	Value	Presence of Value	Source
>>>Code Value	(0008,0100)	SH	33868-1	ALWAYS	AUTO
>>>Coding Scheme Designator	(0008,0102)	SH	LN	ALWAYS	AUTO
>>>Code Meaning	(0008,0104)	LO	ICA/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

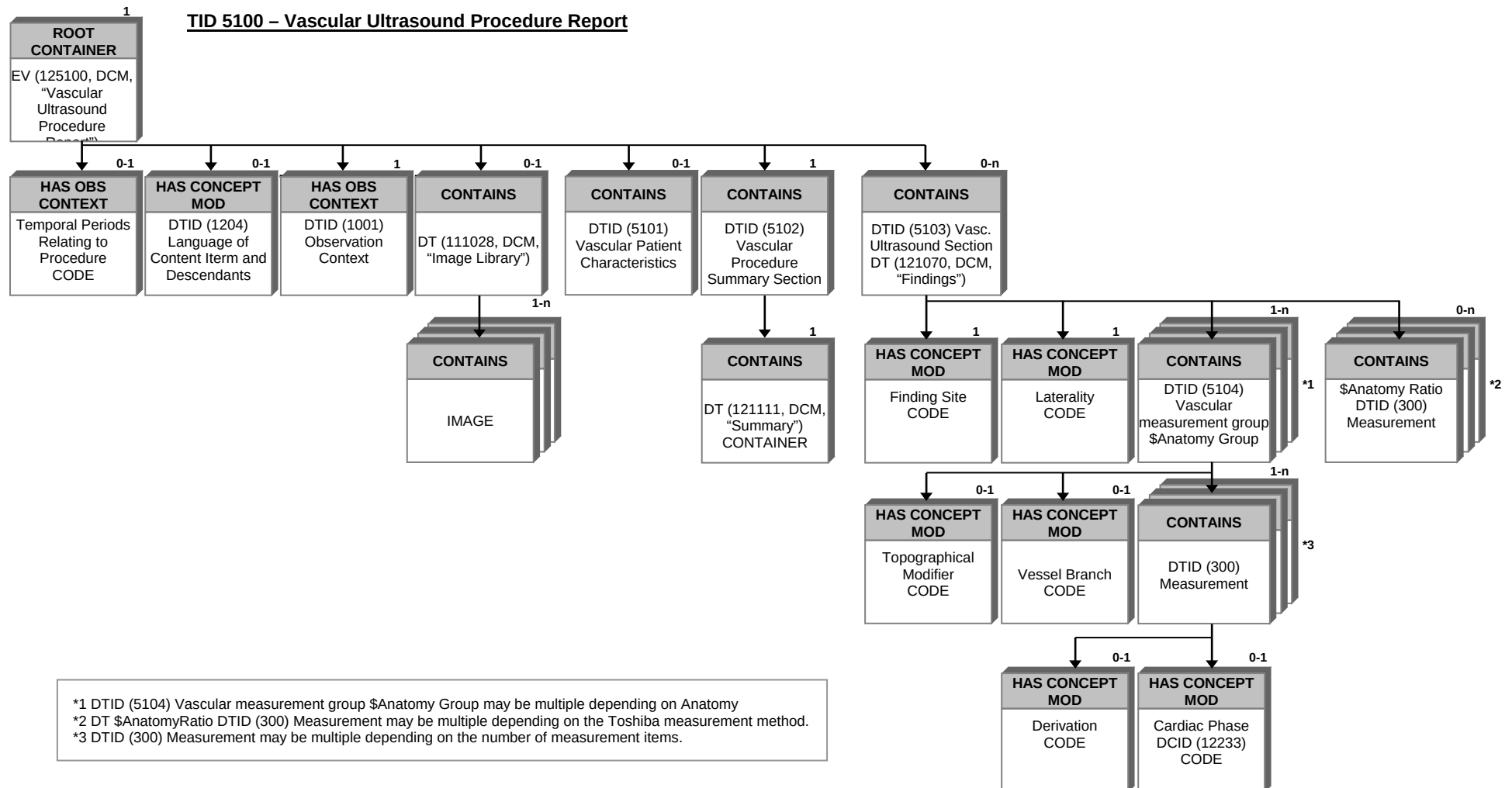


Figure 8.1-2 Vascular Ultrasound Report

Table 8.1-49 Carotid-1 Measurement

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
Dist	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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
Dist	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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Dist	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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
Dist	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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
Dist	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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			
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	SRT	G-A188	Mid-longitud inal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
Dist	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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
Dist	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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
Dist	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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45200	External Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-46100	Subclavian Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45700	Vertebral Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A118	Proximal			
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	G-A118	Proximal			
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	G-A118	Proximal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	G-A118	Proximal	SRT	F-32011	End Diastole
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
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	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	G-A188	Mid-longitudinal	SRT	F-32011	End Diastole
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
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	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-A119	Distal			
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	G-A119	Distal			
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	G-A119	Distal			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
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	G-A119	Distal	SRT	F-32011	End Diastole
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	G-A119	Distal	SRT	F-32011	End Diastole
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
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	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45200	External Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-46100	Subclavian Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-10260	Estimated	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
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	G-036A	Origin of vessel			
Vmean	LN	20352-1	Time averaged mean velocity	SRT	R-00353	Peak to peak	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Vm_mean	LN	20352-1	Time averaged mean velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45700	Vertebral Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	G-036A	Origin of vessel	SRT	F-32011	End Diastole
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitud inal			
meanIMT	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	SRT	G-A119	Distal			
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitud inal			
meanIMT	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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitudinal			
meanIMT	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	SRT	G-A119	Distal			
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitud inal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitud inal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis 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	SRT	G-A188	Mid-longitudinal			
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			
%Stenosis 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	SRT	G-A188	Mid-longitudinal			
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			
%Stenosis 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	SRT	G-A188	Mid-longitudinal			
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitudinal			
meanIMT	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	SRT	G-A119	Distal			
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitudinal			
meanIMT	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	SRT	G-A119	Distal			
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-A118	Proximal			
meanIMT	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	SRT	G-A188	Mid-longitudinal			
meanIMT	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	SRT	G-A119	Distal			
meanIMT	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	SRT	G-036A	Origin of vessel			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
meanIMT	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	SRT	G-036A	Origin of vessel			
meanIMT	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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitud inal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitud inal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A118	Proximal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A188	Mid-longitudinal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			
%Stenosis Distance - %S 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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis Distance - %S 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			
%Stenosis 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	SRT	G-A188	Mid-longitud inal			
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			
%Stenosis 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	SRT	G-A188	Mid-longitud inal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-A118	Proximal			
%Stenosis 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	SRT	G-A188	Mid-longitud inal			
%Stenosis 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	SRT	G-A119	Distal			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-036A	Origin of vessel			
%Stenosis 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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			
S/D	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	SRT	G-A188	Mid-longitud inal			
S/D	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	SRT	G-A119	Distal			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
S/D	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	SRT	G-A188	Mid-longitudinal			
S/D	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	SRT	G-A119	Distal			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			
S/D	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	SRT	G-A188	Mid-longitudinal			
S/D	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	SRT	G-A119	Distal			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			
S/D	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	SRT	G-A188	Mid-longitudinal			
S/D	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	SRT	G-A119	Distal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			
S/D	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	SRT	G-A188	Mid-longitudinal			
S/D	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	SRT	G-A119	Distal			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-A118	Proximal			
S/D	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	SRT	G-A188	Mid-longitudinal			
S/D	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	SRT	G-A119	Distal			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-036A	Origin of vessel			
S/D	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	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45300	Internal Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A118	Proximal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A188	Mid-longitudinal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-A119	Distal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A100	Right	SRT	T-45100	Common Carotid Artery	SRT	G-A100	Right	SRT	G-036A	Origin of vessel			
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	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A188	Mid-longitudinal			
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	G-A119	Distal			
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	G-036A	Origin of vessel			
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	G-A118	Proximal			
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	G-A188	Mid-longitudinal			
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	G-A119	Distal			
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	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
PS Vel	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
ED Vel	LN	11653-3	End Diastolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45300	Internal Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A118	Proximal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A188	Mid-longitudinal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-A119	Distal			
Vmax	LN	11726-7	Peak Systolic Velocity	SRT	R-00355	Point source measurement	SRT	T-45005	Artery of neck	SRT	G-A101	Left	SRT	T-45100	Common Carotid Artery	SRT	G-A101	Left	SRT	G-036A	Origin of vessel			
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	G-A118	Proximal			
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	G-A188	Mid-longitudinal			
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	G-A119	Distal			
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	G-036A	Origin of vessel			
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	G-A118	Proximal			

Label	TID (5104) Vascular Ultrasound Measurement Group - \$Measurement			TID (5104) Vascular Ultrasound Measurement Group - \$Derivation			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5104) Vascular Ultrasound Measurement Group – \$Anatomy Group			TID (5104) Vascular Ultrasound Measurement Group – Vessel Branch			TID (5104) Vascular Ultrasound Measurement Group – Topographical Modifier			TID (5104) Vascular Ultrasound Measurement Group – Cardiac Phase		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
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	G-A188	Mid-longitudinal			
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	G-A119	Distal			
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	G-036A	Origin of vessel			

Label	TID (5103) Vascular Ultrasound Section - \$Measurement			TID (5103) Vascular Ultrasound Measurement Section – Finding Site			TID (5103) Vascular Ultrasound Measurement Section TID(300) – Measurement Laterality			TID (5103) Vascular Ultrasound Measurement Group – Topographical Modifier		
	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM	CSD	CV	CM
ICA/CCA PS (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A100	Right	TSBus	03211000	Ratio in PS
ICA/CCA ED (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A100	Right	TSBus	03211002	Ratio in ED
ICA/CCA Vmax (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A100	Right	TSBus	03211003	Ratio in Vmax
ICA/CCA Ved (R)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A100	Right	TSBus	03211004	Ratio in Ved
ICA/CCA PS (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A101	Left	TSBus	03211000	Ratio in PS
ICA/CCA ED (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A101	Left	TSBus	03211002	Ratio in ED
ICA/CCA Vmax (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A101	Left	TSBus	03211003	Ratio in Vmax
ICA/CCA Ved (L)	LN	33868-1	ICA/CCA velocity ratio	SRT	T-45005	Artery of neck	SRT	G-A101	Left	TSBus	03211004	Ratio in Ved

Table 8.1-50
SOP COMMON MODULE OF CREATED ENHANCED SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	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 8.1-51
SOP COMMON MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Specific Character Set	(0008,0005)	CS	ISO_IR 100	ALWAYS	AUTO
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.33	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI		ALWAYS	AUTO

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 8.1-52

Table 8.1-52
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	--
Requested Procedure ID	Study ID	Study ID
--	Performed Procedure Step ID	Performed Procedure Step ID
--	Performed Procedure Step Description	Performed Procedure Step Description
Requested Procedure Description		
Requested Procedure Code Sequence	Procedure Code Sequence	Procedure Code Sequence

8.1.4 Coerced/Modified Fields

Not applicable.

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES

This product reserves private attribute values in the groups 0029 and 7015.
The private attributes added to created SOP instances or directory records are listed in Table 8.1-13.

8.3 CONTROLLED TERMINOLOGY AND TEMPLATES

Not applicable.

8.4 GRAYSCALE IMAGE CONSISTENCY

Not applicable.

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES

Not applicable.

8.6 PRIVATE TRANSFER SYNTAXES

Not applicable.