
DICOM CONFORMANCE
STATEMENT
FOR
DC-8/DC-8 PRO/DC-8 CV/
DC-8 EXP/DC-8S
DIAGNOSTIC ULTRASOUND
SYSTEM

Version V4. ! "4- #- !

© Mindray 2011-2014

All rights reserved

SHENZHEN MINDRAY I!-MEDI" A# E#E "\$R!NI" S " !%& #D%

Mindray 'ilding& (e)i 12th R*ad S* ' th& High-te+h Ind' strial , ar-& Nanshan&
Shen.hen /100/1& ,%R% "hina

Con- or , \$n' e S&\$e , en& O .er .ie /

This document describes the +n4*r2 an+e t* the A" R-NEMA DI" ! M 5%0 Standard 3y the 'ltras*'nd syste2 *4 D"-0%D"-0 , R!6D"-0 "76D"-0 E8 , 6D"-0S% 9 e s: e+i4y 'ltras*'nd syste2 generally refer t* the :r*d'+ts a3*ve in this d*+' 2ent% \$he 'ltras*'nd syste2 i2 :le2ents the ne+essary DI" ! M servi+es t* d* ;nl*ad ; *r-lists 4r*2 an in4*r2ati*n syste2& save a+<'ired =ltras*'nd >=S? i2 ages and ass*+iated Str'+t'red Re:*rts t* a net; *r- st*rage devi+e and6*r re2 *va3le 2edia& :rint t* a net; *r-ed hard+*:y devi+e& <'ery and retrieve the =S i2 ages 4r*2 a net; *r-ed st*rage syste2& and in4*r2 the in4*r2ati*n syste2 a3*'t the ; *r-s att'ally d*ne% \$a3le 1 :r*vides an *vervie ; *4 the s' : *rted net; *r- servi+es& \$a3le 2 lists the s' : *rted Media St*rage A : li+ati*n , r*4iles& and \$a3le 5 lists the s' : *rted Str'+t'red Re:*rt \$e2 :lates%

Table 1 NET 1 OR 2 SERVICES

SOP C(\$sses	User o- Ser.i'e 3SCU4	Pro.i*er o- Ser.i'e 3SCP4
Tr\$ns-er S&or\$e		
7eri4i+ati*n	Yes	Yes
=ltras*'nd I2 age St*rage	Yes	Yes
=ltras*'nd M'lti-4ra2e I2 age St*rage	Yes	Yes
Se+*ndary "a:t're I2 age St*rage	Yes	Yes
En+a:s'lated , D@ St*rage	Yes	Yes
Enhan+ed =S 7*I' 2e St*rage	Yes	N*
Ra ; Data St*rage	Yes	Yes
5)er+/Re&rie .e		
St'dy R**t A'ery6Retrieve In4*r2ati*n M*del B @IND	Yes	N*
St'dy R**t A'ery6Retrieve In4*r2ati*n M*del B M! 7E	Yes	N*
1 or6-(o/ M\$N\$e , en&		
M*dality 9 *r-list In4*r2ati*n M*del B @ind	Yes	N*
M*dality ,er4*r2ed , r*+ed're Ste:	Yes	N*
St*rage " * 2 2 it2ent , 'sh M*del	Yes	N*

SOP Categories	User or Service 3SCU4	Provider or Service 3SCP4
Print Management, etc		
asi+ " *I*r , rint Manage2 ent	Yes	N*
asi+ Crays+ale , rint Manage2 ent	Yes	N*
Notes7 Reports7 Measurements , etc7 Trainers		
" * 2 :rehensive SR Storage	Yes	Yes

**Table 1
MEDIA SERVICES**

Media Storage Allocation Profile	1 rite Files 3FSC / FSU4	Re* Files 3FSR4
Co , 8\$' & Dis6 - Re'or*\$0(e		
S\$D-=S-S "-S@DM@- " DR	Yes & Yes ¹	Yes
DVD		
S\$D-=S-S "-S@DM@-D7D S\$D-=S-S "-S@DM@-D7D-RAM	Yes & Yes ¹	Yes
US9 De.i'es		
S\$D-CEN-=S -E , EC 4*r =ltras*' nd i2 ages& +* 2 :ressed and 'n+* 2 :ressed and Str'+t'red Re: *rts	Yes & Yes ¹	Yes

N*tef

1 ! nly a+ts as a @S= 4*r 2edia that 2ay 3e ; ritten t* 2 'liti:le ti2 es%

**Table 2
STRUCTURED REPORTS**

Content, etc	Structured
! -CYN =ltras*' nd ,r*+ed're Re: *rt	Yes
E+h*+ardi*gra:hy ,r*+ed're Re: *rt	Yes
7as+'lar =ltras*' nd Re: *rt	Yes
reast l2 aging Re: *rt	Yes

! T\$O(e o- Con&en&s

FOR DC-8/DC-8 PRO/DC-8 CV/ DC-8 EXP/DC-8S DIAGNOSTIC ULTRASOUND SYSTEM

1 " *n4*r2an+e State2ent !vervie ;

2 \$a3le *4 " *ntents

5 Intr*d' +ti*n

5%1 Revie ; Hist*ry

5%2 A' dien+e

5%5 Re2ar-s

5%4 \$er2s and De4initi*ns

5%/ A+r*ny2s& A33reviati*ns& and Sy23*Is

5%G Re4eren+es

4 Net ; *r-ing

4%1 I2 :le2entati*n M*del

4%1%1 A :li+ati*n Data @I* ;

4%1%2 @'n+ti*nal De4initi*ns *4 AEIs

4%1%5 Se<'en+e *4 Real 9 *rld A+ivities

4%2 AE S:e+i4i+ati*ns

4%2%1 M*dality AE

4%5 Net ; *r- Inter4a+e

4%5%1 S' : : *rted " *22 'ni+ati*ns Sta+-s

4%5%2 \$" ,dl , Sta+-

4%5%5 , hysi+al Net ; *r- Inter4a+e

4%5%4 Additi*nal , r*t*+*Is

4%4 " *n4ig' rati*n

4%4%1 AE \$itle6 , resentati*n Address Ma : : ing

4%4%2 " *n4ig' ra3le , ara2eters

/ Media St*rage

/%1 I2 :le2entati*n M*del

/%1%1 A :li+ati*n Data @I* ;

/%1%2 @'n+ti*nal De4initi*n *4 AEIs

/%1%5 Se<'en+ing *4 Real-9 *rld A+ivities

/%1%4 @ile Meta In4*r2ati*n ! :ti*ns

/%2 AE S:e+i4i+ati*ns

/%2%1 Media A :li+ati*n Entity S:e+i4i+ati*n

/%5 Media St*rage A :li+ati*n , r*4ile

/%5%1 DI " ! MDIR Attri3 'tes

/%4 A'g2ented and , rivate A :li+ati*n , r*4iles

/%/ Media " *n4ig' rati*n

G S= , , !R\$!@ "HARA" \$ER SE\$S

1 SE " =RI\$Y

1%1 Se+ 'rity , r*4iles

A%55%	" ID >5G21? Meas 're 2 ent \$y: e	11G
A%54%	" ID >1200/? @etal i* 2 etry Meas 're 2 ents	11G
A%5 / %	" ID >1200G? @etal #*ng *nes Meas 're 2 ents	111
A%5G%	" ID >12001? @etal " rani ' 2	111
A%51%	" ID >12001? Early Cestati*n i* 2 etry Meas 're 2 ents	110
A%50%	" ID >12015? Cestati*nal Age E<'ati*ns and \$a3les	110
A%51 %	" ID >12014? @etal *dy 9 eight	120
A%40%	" ID >1201/? @etal Cr* ; th E<'ati*ns and \$a3les	121
A%41%	" ID >12111? 7as+ 'lar =ltras* ' nd , r* :erty	125
A%42%	" ID >12120? I* *d 7el*+ity Meas 're 2 ents	125
A%45%	" ID >12121? 7as+ 'lar Indi+es and Rati*s	125
A%44%	" ID >12122? ! ther 7as+ 'lar , r* :erties	124
A%4 / %	" ID >12140? , elvi+ 7as+ 'lat 're Anat* 2i+al #*+ati*n	124
A%4G%	" ID >12141? @etal 7as+ 'lat 're Anat* 2i+al #*+ati*n	124
A%41%	" ID >SE#@ " ID-1? @etal Z-S+*re	12 /
A%40%	Ma : :ing 3et ; een M*dality 2eas 're 2 ents and DI " ! M " *n+e : ts	12G
A%40%1%	! -CYN Meas 're 2 ents	12G
A%40%2%	7as+ 'lat 're Anat* 2i+ #*+ati*n	121
A%40%5%	! -CYN 7as+ 'lar Meas 're 2 ents	150
A%40%4%	! -CYN " ardi+ Meas 're 2 ents	150
A%40% / %	i* : hysi+al , r*4ile Meas 're 2 ents	152
% A : :endiJ F " ardi+ str '+t ' red re : * rting te 2 : late	154	
%1%	\$ID >/200? E+h*+ardi*gra:hy , r*+ed 're Re : *rt	154
%2%	\$ID>1001? ! 3servati*n " *nteJt	151
%5%	\$ID >/201? E+h*+ardi*gra:hy , atient " hara+teristi+s	150
%4%	\$ID >SE#@ \$M , -2? E+h* , r*+ed 're S ' 2 2 ary Se+ti*n	151
% / %	\$ID >/202? E " H ! SE " \$I ! N	140
%G%	\$ID >/205? E+h* Meas 're 2 ent	141
%1%	" ID >12200? E+h*+ardi*gra:hy #e4t 7entri+le	142
%0%	" ID >12201 ? #e4t 7entri+le #inear	142
% I %	" ID >12202? #e4t 7entri+le 7*I ' 2e	145
%10%	" ID >12205? #e4t 7entri+le ! ther	145
%11%	" ID >12204? E+h*+ardi*gra:hy Right 7entri+le	145
%12%	" ID >1220/? E+h*+ardi*gra:hy #e4t Atri ' 2	144
%15%	" ID >1220G? E+h*+ardi*gra:hy Right Atri ' 2	144
%14%	" ID >12201? E+h*+ardi*gra:hy Mitral 7alve	144
%1 / %	" ID >12200? E+h*+ardi*gra:hy \$ri+ 's :id 7alve	14G
%1G%	" ID >12201? E+h*+ardi*gra:hy , 'I2 *ni+ 7alve	14G
%11%	" ID >12210? E+h*+ardi*gra:hy , 'I2 *nary Artery	14G
%10%	" ID >12211? E+h*+ardi*gra:hy A*rti+ 7alve	141
%1 I %	" ID >12212? E+h*+ardi*gra:hy A*rti	141
%20%	" ID >12214? E+h*+ardi*gra:hy , 'I2 *nary 7eins	141
%21%	" ID >1221/? E+h*+ardi*gra:hy 7ena "avae	140
%22%	" ID >12211? E+h*+ardi*gra:hy " ardi+ Sh 'nt	140
%25%	" ID >12210? E+h*+ardi*gra:hy " *ngenital	140
%24%	" ID >12220? E+h*+ardi*gra:hy " * 2 2 *n Meas 're 2 ents	141

2 / %	" ID >12221? @! * ; Dire+ti*n	141
2G%	" ID >12222? ! ri4i+e @! * ; , r* : erties	141
21%	" ID >12224? =ltras* ' nd l2 age M*des	1 / 0
20%	" ID >1222G? E+h*+ardi*gra : hy l2 age 7ie ;	1 / 0
21%	" ID >12221? E+h*+ardi*gra : hy Meas ' re2ent Meth *d	1 / 1
50%	" ID >12220? 7*I' 2 e Meth *ds	1 / 1
51%	" ID >12221? Area Meth *ds	1 / 1
52%	" ID >12250? Cradient Meth *ds	1 / 1
55%	" ID >12251? 7*I' 2 e @! * ; Meth *ds	1 / 2
54%	" ID >12252? My*+ardi' 2 Mass Meth *ds	1 / 2
5 / %	" ID >12255? " ardia+ , hase	1 / 2
5G%	" ID >12254? Res : irati*n , hase	1 / 2
51%	" ID >12251? " ardia+ ! 't : 't , r* : erties	1 / 2
50%	" ID >12240? #e4t 7entri+le Area	1 / 5
51%	" ID >10000? , eri+ardial disease	1 / 5
40%	Ma : :ing 3et ; een M*dality 2eas ' re2ents and DI " ! M " *n+e : ts	1 / 5
40%1%	#e4t 7entri+le Meas ' re2ents	1 / 5
40%2%	Right 7entri+le Meas ' re2ents	110
40%5%	#e4t Atri ' 2 Meas ' re2ents	111
40%4%	Right Atri ' 2 Meas ' re2ents	112
40% / %	A*rti+ 7alve Meas ' re2ents	115
40%G%	Mitral 7alve Meas ' re2ents	11 /
40%1%	, ' l2 *ni+ 7alve Meas ' re2ents	100
40%0%	\$ri+ ' s : id 7alve Meas ' re2ents	102
40% l %	A*rti+ Meas ' re2ents	104
40%10%	, ' l2 *nary Artery Meas ' re2ents	10 /
40%11%	7ena " ava Meas ' re2ents	10G
40%12%	, ' l2 *nary 7en* ' s Str '+t' re Meas ' re2ents	10G
40%15%	" ardia+ Sh ' nt St ' dy Meas ' re2ents	101
40%14%	" *ngenital An* 2aly *4 " ardi*vas+ ' lar Syste 2 Meas ' re2ents	101
40%1 / %	, eri+ardial Disease Meas ' re2ents	100
40%1G%	Heart Rate Meas ' re2ents	100
" %	A : :endiJ F 7as+ ' lar str ' +t' red re : *rting te 2 : late	110
" %1%	\$ID >/ 100? 7as+ ' lar =ltras* ' d Re : *rt	110
" %2%	\$ID >1001? ! 3servati*n " *nteJt	11G
" %5%	\$ID >/ 101? 7as+ ' lar , atient " hara+teristi+s	111
" %4%	\$ID >/ 102? 7as+ ' lar , r*+ed ' re S ' 2 2 ary Se+ti*n	110
" % / %	\$ID >/ 105? 7as+ ' lar =ltras* ' nd Se+ti*n	200
" %G%	\$ID >/ 104? 7as+ ' lar =ltras* ' nd Meas ' re2ent Cr* ' :	200
" %1%	" ID >12104? EJtra+ranial Arteries	201
" %0%	" ID >1210/? Intra+ranial " ere3ral 7essels	201
" % l %	" ID >1210G? Intra+ranial " ere3ral 7essels > ' nilateral?	202
" %10%	" ID >12101? = : : er EJtre 2ity Arteries	202
" %11%	" ID >SE#@ " ID-2? = : : er EJtre 2ity Arteries> ' nilateral?	202
" %12%	" ID >12100? = : : er EJtre 2ity 7eins	202
" %15%	" ID >12101? #* ; er EJtre 2ity Arteries	202

"14%	" ID >12110? #* ; er EJtre2ity 7eins	205
"1/%	" ID >12112? A3d* 2inal Arteries >' nilateral?	205
"1G%	" ID >12114? A3d* 2inal 7eins >' nilateral?	204
"11%	" ID >1211/? Renal 7essels	204
"10%	" ID >1211G? 7essel Seg2ent M* di4iers	204
"1I%	Ma: :ing 3et ; een M*dality 2eas' re2ents and DI " ! M " *n+e :ts	20/
"1I%1%	7as+ 'lar Meas' re2ents	20/
"1I%2%	EJtra+ranial Arteries	20/
"1I%5%	Intra+ranial " ere3ral 7essels	20G
"1I%4%	Intra+ranial " ere3ral 7essels >' nilateral?	20G
"1I%/%	= : :er EJtre2ity Arteries	20G
"1I%G%	= : :er EJtre2ity Arteries>' ni "1I%G%	

Introduction

1.1 Revision History

DOCUMENT VERSION	DATE OF ISSUE	DESCRIPTION
1.0	Oct. 26, 2011	Creation of the document
2.0	Jun.27,2012	Added 3D/4D image Storage Revised structure
3.0	Feb.27.2013	#date "ardia" and ! B CYN structure

1.2 About This Manual

This document is intended for potential users of the system. It is assumed that the readers of this document are familiar with the DICOM Standard and with the terminology and nomenclature used in the Standard. If readers are unfamiliar with DICOM terminology they should read the DICOM Standard prior to reading this DICOM Standard document.

1.3 Revision History

The purpose of this DICOM Standard document is to facilitate integration between Mindray products and other DICOM products. The DICOM Standard should be read and understood in conjunction with the DICOM Standard. DICOM 3y itself does not guarantee interoperability. The DICOM Standard does not have a first-level priority for interoperability. A different approach is being taken with the DICOM 4-nativity.

This DICOM Standard is not supposed to be a validation; with other DICOM documents it ensures the relevance of the intended information. In fact, the user should be aware of the following important issues:

- The priority of the different DICOM Standards is the first step; it is necessary to assess interoperability and integration between Mindray products and other DICOM products.
- The user should be defined and validated the required level of interoperability with the DICOM Standard as established by the health-care industry.

Beginning of the file and the last byte is at the end of the file. Files are identified by an 'n' file ID and may be written or deleted.

File Metadata - the File Meta Information identifies the related Data Set. It is a 2-byte header at the beginning of every DICOM file.

In-order, De-initialization - the sequential set that increase type of data does not represent a sequential instance of the data rather a similar dataset that have the same properties. They may be sequential as Mandatory Reference Sets; they are optional and there may be conditions associated with the set attributes.

Point of Interest - a standardized image presentation technique available for DICOM attributes.

Module (a set); within an image that are logically related together. Examples: Patient Module, Patient Name, Patient ID, Patient Birth Date and Patient Sex.

Network Information Base first phase established that all systems agree on the types of data that may be exchanged and how that data is represented.

Primary (Media) - a material with recording capabilities for streams of bits.

interfereability: serial number EJA2:lesF=transferring image storage service asi+ Cray+ale, print Management

Serial/00>e' & P\$ir 3SOP4 Ins&\$n'e B an in4*r2ati*n *3)e+tl a s:e+i4i+ *++'rren+e *4 in4*r2ati*n eJ+hanged in a % EJA2:lesF a s:e+i4i+ J-ray i2 age%

T\$% B a 52-3it identifier 4*r a data element re:resented as a :air *4 4*'r digit heJade+i2al n' 23ers& the Ngr* ':0 and the Nele2ent0% 14 the Ngr* ':0 n' 23er is *dd& the tag is 4*r a :rivate >2an'4a+'rer-s:e+i4i+? data element EJA2:lesF >0010&0020? P,atient ID&>01@E&0010? P, iJel Data&>0011&0210? P:rivate data element

Tr\$ns-er S+n&\$< B the en+*ding 'sed 4*r eJ+hange *4 DI " ! M in4*r2ati*n *3)e+ts and 2essages% EJA2:lesF +* 2:ressed >i2ages?& little endian eJ:li+it val'e re:resentati*n%

Uni@)e I*en&i-ier 3UID4 B a gl*3ally 'ni<'e Nd*tted de+i2al0 string that identifier a s:e+i4i+ *3)e+e *r a +lass *4 *3)e+ts an IS! -0024 !3)e+e Identifier% EJA2:lesF St'dy Instance =ID& S! , "lass =ID& S! , Instance =ID%

M9#	Mortality 9%-list
NEMA	National Electrical Manufacturers Association
!	! :tinal >(ey Attri3'te?
,A" S	,i+tre Ar+hiving and " * 2 2 'ni+ati*n Syste2
,D=	,r*t*+*l Data =nit
R	Re<'ired >(ey Attri3'te?
RIS	Radiology In4*r2ati*n Syste2
S" ,	Servi+e "lass ,r*vider
S" =	Servi+e "lass =ser
S! ,	Servi+e !3)e+ , air
SR	Str'+t' red Re: *rting
\$" ,6l ,	\$rans2issi*n " *ntr*l ,r*t*+*l6Internet ,r*t*+*l
=	=ni<'e >(ey Attri3'te?
=#	=: :er #ayer
7R	7al'e Re: resentati*n
=S	=ltras*'nd
=ID	=ni<'e Identifier

:.B Re-eren'es

DI" ! M A 'i+- C'ide D @AA& Revisi*n 1%0 @inal \$eJt& Mindray " *% #td

Digital Imaging and " * 2 2 'ni+ati*ns in Medicine >DI" ! M?& NEMA , S 5& availa3le 4ree at

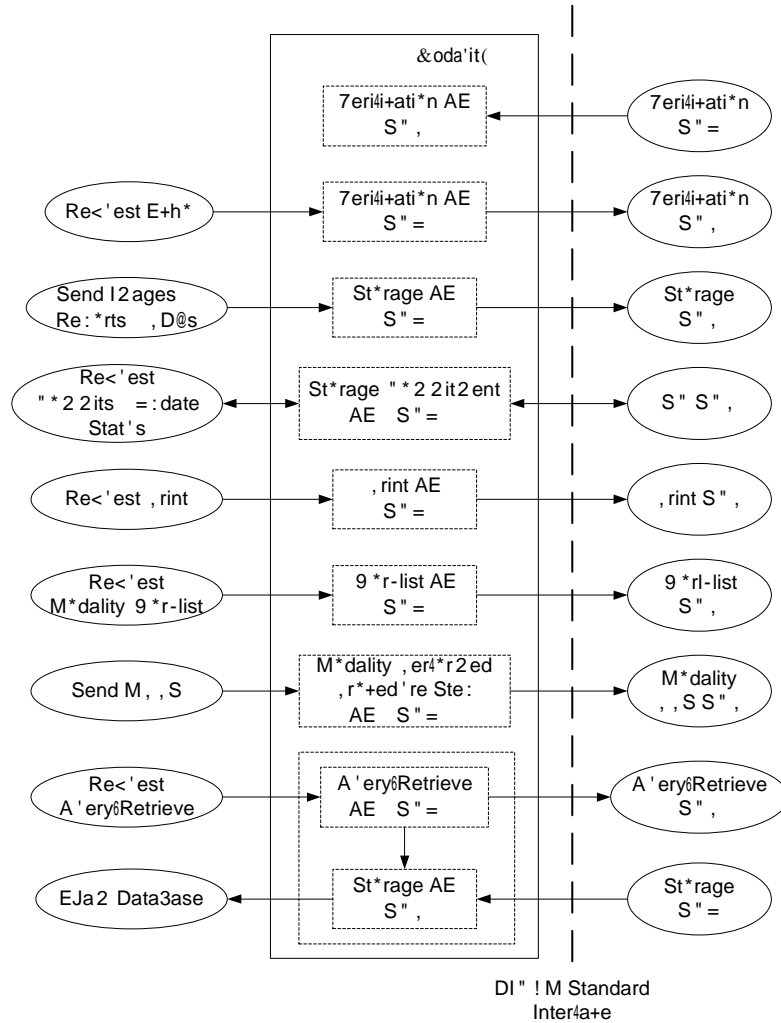
<http://www.mindray.com/medline2a.htm>

IHE \$e+hni+al @ra2e ; *r-& availa3le 4ree at <http://www.ihe.net>

4 Network Interface

4.1 Network Interface

4.1.1 Network Interface



Fi%) re "

4.1.1.1 Network Interface

N*te

Storage Area = and S , ?

.88 75892700.988233()10.382()-0.988233()16.316&-0.988233100.988233)1 10801(>)3.27144()8233()10. 81)2368 4 -664.740.186084567290710.8

The following steps are described below;

! : operation 1

Step: 1F Select the images for 2 thumbnails in 2 areas

Step: 2F , press **Send** button and select **DI** ! M Storage service S , s

Step: 5F Send the image to the **DI** ! M Storage service S , s

! : operation 2

Step: 1F Select **EJas** in the **iStation Dial**

Step: 2F , press **Send EJas** and select **DI** ! M Storage service

Step: 5F Send the selected **EJas** to 2 areas in the **SRs** , **D@st** to the **DI** ! M Storage service S , s

! : operation 5

Step: 1F Select thumbnails in the **iStation Dial**

Step: 2F , press **Send** button and select **DI** ! M Storage service S , s

Step: 5F Send the image to the **DI** ! M Storage service S , s

! : operation 4

Step: 1F ! : on the review ; dial and select the images

Step: 2F , press the **Send** button to the storage S , s

Step: 5F Send the image to the **DI** ! M Storage service S , s

The **SR** only + ' Id be sent in the +ir+ 2 stations as below ;

The **EJas** type is **3stetri** gynecology + **ardia** + **vas** + **lar** + **3reast**

Table 4

3D/4D Transfer Option

5D/4D !:tin	S*: "lass	S*: "lass =ID
N*ral	#S)mage Storage	1.2.*40.1000*+.1.4.1.1.6.1
	#S &'tiframe)mage Storage	1.2.*40.1000*+.1.4.1.1.3.1
7*' 2e	Enhanced =S 7*' 2e St*rage	1%2%040%10000%/ %1%4%1%1%G%2
Ra ; data	Ra ; Data St*rage	1%2%040%10000%/ %1%4%1%1%GG

Transfer ; with Ra ; data 4*r2 is mainly used for 4D7ie ; er t* get the ra ; data *4 the image
 The St*rage S" , received the image +* 'ld n*t revie ; it 3e+a' se the image in 4*r2 ati*n is
 +*ded in :rivate 4*r2% 4D7ie ; er *r D"0 Series Diagn*sti+ =ltras*'nd Syste2 +* 'ld
 retrieve the file and revie ; it%

In the event that the 'ltras*'nd syste2 is ta-en *44 the net ; *r- as a :rta3le syste2 *r
 ; hen a net ; *r- 4ailed 're +*+ 'rs d'ring a 3a+-gr*'nd st*re& the St*rage S" = 2aintains a
 <'e'e *4 4ailed "-S\$!RE re<'ests% l4 :re+*n4ig' red *n , reset =l& the 4ailed "-St*re
 re<'ests ; ill 3e a't* 2ati+ally retried s:e+4ied ti2es% l4 n* :re+*n4ig' rati*n& the 'ser +an
 als* retry the 4ailed re<'ests 2an'ally%

As a S" ,& the St*rage AE +* 'ld *nly 3e 'sed in A'ery6Retrieve& *ther ; ise +* 'ldnSt%

4."!.: S&or\$%e Co , , il , en& AE

The St*rage " * 2 2it2ent AE *riginates ass*+iati*ns t* ens're the relia3le st*rage *4
 DI" ! M * 2 :*site in 4*r2 ati*n *3)e+ts *n re2 *te DI" ! M devie a4ter sending DI" ! M
 St*rage Servi+e t* the devie%

The St*rage " * 2 2it2ent servi+e ; ill 3e eJe+'ted a't* 2ati+ally in the +ir+' 2 stan+e as
 3el* ; F

The St*rage " * 2 2it2ent Servi+e is set t* ass*+iate ; ith the St*rage Servi+e in
 DI" ! M st*rage servi+e :reset dial*g and the ass*+iated St*rage Servi+e is eJe+'ted%
 EJa2 is the 'nit t* send%

The stat's *4 the eJa2 is REndR% It ; * 'ld n*t 3e eJe+'ted ; hen an RA+tiveR& R , a 'sedR
 *r R" an+elledR eJa2 is sele+ted%

4."!.4 Prin& AE

As a S" =& the , rint AE *riginates ass*+iati*ns 4*r the :rint *4 DI" ! M =ltras*'nd single
 4ra2e i2ages and se+*ndary +a:t're i2ages t* re2 *te AE >sele+ted 4r*2 a
 :re+*n4ig' red list?%

The syste2 is +a:a3le *4 grays+ale > 69? and +*l*r :rint s' : *rting ; ith a't* 2ati+ and
 2an'al :rint 4'n+ti*ns%

Step 2: Press the [Send] key to start the test. The system will display "S", s%

Step 5: Send the image to the DICOM server. The system will display "S", s%

4.1.1.1 AE

The Retrieve AE is activated through the Retrieve=I; when the user selects a remote AE to <ery> a :re-+*n4ig' red list?%The system's : : *rts a't*2ati+ and 2an'al <ery de:ending *n its +*n4ig'rati*n *n , reset =I% The system's : : *rts 4'..y <ery 'sing NU0 and NVO%

If set *ne and *nly *ne remote AE to 3e de4a'lt stat's% The system will initiate a <ery ; ith de4a'lt r'les ; hen sh* ; the Retrieve=I% The Retrieve Server is the de4a'lt server% The Modality Name is =S& the EJA2 Date is today& and the Scheduled Station AE Title is 3lan-%

Alternatively if the de4a'lt stat's is n*& the user can send <ery r'les *n Retrieve=I% S+h as ,atient ID& ,atient Name& Accession Number& Referred ID& Retrieve Server& EJA2 Date& Modality Name and Scheduled Station AE Title%

If n* 2at+hes are 4*'nd& a dial*g'e ; ill 3e :resented t* the 'ser t* indi+ate s*% The : *ssi3le reas*ns 4*r this fail're are listed t* hel: tr* '3le sh**ting%

If 2*re than *ne 2at+hing :atients 4*'nd& 'ser +an dis+*ver lists n' 23er *n the =I% The 'ser +an als* +hange <ery r'les 4*r an*ther <ery& *r 4*r 4'rther 4ilter in l*+al data3ase t* l*+ate the :atients <i+-ly% And the lists +an 3e s*rted in as+ending *r des+ending *rder%

4.1.1.2 MPPS AE

M, , S AE sends event transactions that facilitate the transfer of EJA2 :r*+ed're stat's 4r*2 the 'ltras*'nd system t* the in4*r2ati*n system%

M, , S 2essages are sent 4r*2 the system 'nder the 4*ll* ; ing +ir+' 2stan+esf

M, , S N-"reate& Stat's WIN , R! CRESS% Starting a ne ; eJA2 *r re+ative an eJA2 res'lt in a't*2ated +reati*n *4 an M, , S Instance 2anaged 3y a re2*te AE%

M, , S N-Set& Stat's W " !M, #ESE% " *2 :leti*n *4 the M, , S is :er4*r2ed as the res'lt *4 an * :erat*r a+ti*n *4 ending the eJA2%

M, , S N-Set& Stat's W DIS " !N\$IN=ED% N " an+el EJA20 +a'ses the NDis+*ntin'ed0 stat's t* 3e sent% =ser +an sele+t vari*'s reas*ns 4r*2 the NReas*n *4 +an+el EJA20 =I ; hen need t* +an+el an eJA2%

4.1.1.3 5)er+/Re&rie.e AE

The A'ery6Retrieve AE s' : : *rts the A'ery6Retrieve services as an S" =%

As a A'ery S" =& the system initiates a "-@ind re<'est t* the re2*te S" , i4 :re-+*n4ig' red *n the , reset =I& and then <ery is inv*-ed dire+ly 3y the 'ser% The system's : : *rts 4'..y <ery 'sing NU0 and NVO%

Secondary Image Storage	1.2.40.1000.1.4.1.1.7	/e.	/e. ¹
Comprehensive Structured Report Storage	1.2.40.1000.1.4.1.1.33	/e.	/e. ¹
Uncompressed DICOM Storage	1.2.40.1000.1.4.1.1.104.1	/e.	/e. ¹
Enhanced Secondary Storage	1.2.40.1000.1.4.1.1.2	/e.	30
Raw Data Storage	1.2.40.1000.1.4.1.1.11	/e.	/e.
Storage Commitment - u.h & code'	1.2.40.1000.1.20.1	/e.	30
4a.1c.5.a (.category - rint & management & eta)	1.2.40.1000.1.1.6	/e.	30
4a.1c.5.a Co-ordinator - rint & management & eta SO- C'a..	1.2.40.1000.1.1.1*	/e.	30
4a.1c.5.a.1.1.1 SO- C'a..	1.2.40.1000.1.1.1.1	/e.	30
4a.1c.5.a.1.1.2 SO- C'a..	1.2.40.1000.1.1.1.2	/e.	30
4a.1c.5.a.1.1.4 (.category) Image 407 SO- C'a..	1.2.40.1000.1.1.1.4	/e.	30
-rinter SO- C'a..	1.2.40.1000.1.1.1.16	/e.	30
-rint Job SO- C'a..	1.2.40.1000.1.1.1.14	/e.	30
&oda'it(8 or 9) information & code' !ind	1.2.40.1000.1.4.31	/e.	30
&oda'it(-erformed -rocedure Step SO- C'a..	1.2.40.1000.3.1.2.3.3	/e.	30
Stud(root : user(1) information & code' ; !ind	1.2.40.1000.1.4.1.2.2.1	/e.	30
Stud(root : user(1) information & code' ; & ooe	1.2.40.1000.1.4.1.2.2.2	/e.	30

Note 1 Yes only listed in Appendix B Retrieve & Store; Use Note

4.1.1.1 Association Establishment and Policies

4.1.1.1.1 General

The DICOM standard allows a workstation to act as a DICOM client; it may also be

Table 6
DICOM Application Context for Modality AE

Application Context Name	1.2.40.1000.3.1.1.1
--------------------------	---------------------

The DICOM standard allows a workstation to act as a DICOM client; it may also be

4.1.1.1.1.1) , Other Associations

The system initiates a new association at a time when each destination; high transfer rate is being requested in the active list. Since storage and print tasks are executed; within a same thread; when they are selected simultaneously; will be active at a time and the other is pending until the active list is satisfied. If failed

Table 7
Number of Associations as an Association Initiator

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

**Table 8
Number of Associations as an Association Acceptor**

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

4.1.1.1.1: Association Parameters

The 'Ultrasound System' shall only allow a single outstanding association in an association.

4.1.1.1.1.1: Association Parameters

**Table 9
DICOM Implementation Class and Version for Modality AE**

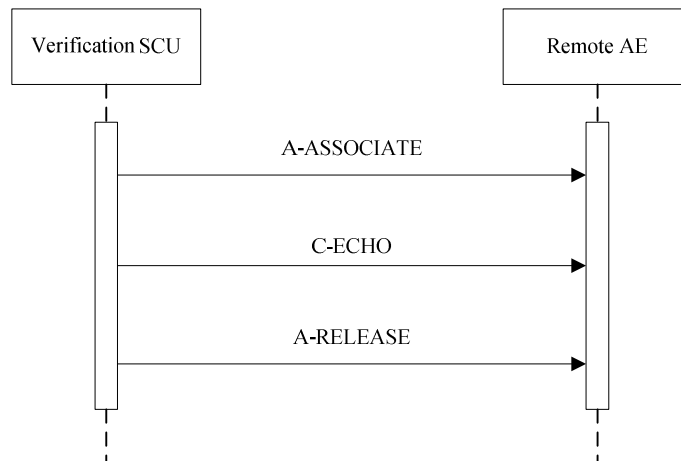
Implementation Class Name	1.2.1+6.112+36.1.2120.0.1.0.1
Implementation Version Name	<3D1A/>, 1.0

4.1.1.1.2: Association Initialization

4.1.1.1.2.1: A-ASSOCIATE Request

4.1.1.1.2.1.1: Description

The server shall verify the existence of a DICOM server in the host's network; if through a 3rd party in the DICOM Server's screen when the server processes this 3rd party and the 'Ultrasound System' shall initiate the association.



**Figure 1
Description of A-ASSOCIATE Request**

4.1.1.1.2.1.2: Proposed Presentation Contexts

The 7th party AE shall support the following presentation contexts for 7th party.

**Table 10
Presentation Contexts for Verification**

PROPOSED PRESENTATION CONTEXTS					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Verification	1.2.40.1000.1.1	Implicit, 1-bit endian	1.2.40.1000.1.2	SC#	3 one
		27-bit Implicit, 1-bit endian	1.2.40.1000.1.2.1	SC#	3 one
		27-bit Implicit, 1-bit big endian	1.2.40.1000.1.2.2	SC#	3 one

4.1.1.1.1.1.1.1: SOP S8e'i-i' Con-or, \$n'e

It describes the behavior of the system when receiving status codes in a "E"HL response.

Table

Verification C-E Response Status ; n*(in% 9e=\$.ior

Service Status	Further Meaning	Error Code	Behavior (as SCU)
Success	Success	0000	Device Status. i. .et to> ,erif(Succe..fu'
Refused	Out of Source.	A7??	Device Status. i. .et to> ,erif(!ai'ed
!ai'ed	#na"e to \$roce..	C???	Device Status. i. .et to> ,erif(!ai'ed
@	@	Any other status code	Device Status. i. .et to> ,erif(!ai'ed

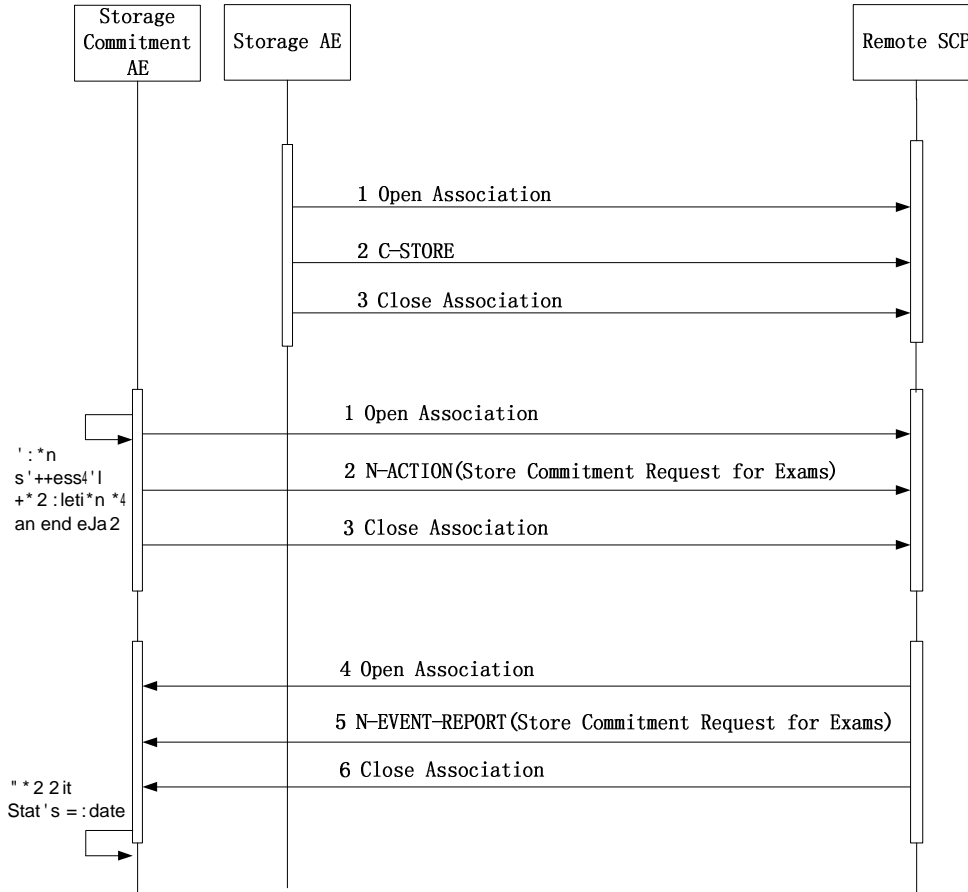
4.1.1.1.1.1.1.1: A'i.i&+ E Store i , \$es7 SRs7 PDFs

The ! and Cyn eJa2 ty:es +reate ! -CYN =ltras* 'nd ,r*+ed're Re: *rts%

The Ad'lt "ard eJa2 ty:e +reates Ad'lt E+h*+ardi*gra:hy Re: *rts%

The A3d&=r* and 7as eJa2 ty:es +reate 7as+'lar Re: *rts%

The reast eJa2 ty:es +reate reast l2aging Re: *rts%



Fi%)re :

Sequencing of Activity – Send Storage Request

4.1.1.1.1 Proposed Presentation Contexts

If Storage AE is offered a higher priority Transfer Syntax in the associated presentation context; initially the first entered transfer syntax is the preferred one. As transfer syntaxes are offered; initially the server negotiated one.

**Table 12
Proposed Presentation Contexts for Storage**

PROPOSED PRESENTATION CONTEXTS					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
#Storage	1.2.840.10008.1.1.6.1	Implicit, 1 = implicit endian	1.2.840.1000.1.2	SC#	3 one
		Explicit, 1 = implicit endian	1.2.840.1000.1.2.1	SC#	3 one
		J-25 = 0..(, 4a.e'ine	1.2.840.1000.1.2.4	SC#	3 one

SeAuentia' Bith Cuffman +0

Coding D-roce. . 1E

		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC#	3 one
		J-25 =o..'e., 3on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC#	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC#	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC#	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC#	3 one
Com\$rehe.n.i 0e Structured 1e\$ort Storage	1.2.*40.100 0*+.1.4.1.1 .**33)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC#	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC#	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC#	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC#	3 one
		J-25 =o..'e., 3on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC#	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC#	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC#	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC#	3 one
2nca\$.u'ated -D! Storage	1.2.*40.100 0*+.1.4.1.1 .104.1)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC#	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC#	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC#	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC#	3 one
		J-25 =o..'e., 3on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC#	3 one

		! ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE			
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC#	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC#	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC#	3 one
Enhanced =S 7*I' 2 e St*rage	1%2%040%10 000%/1%4%1 %1%G%2)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC#	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC#	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC#	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC#	3 one
		J-25 =o..'e.., 3 on;Cierarchica', ! ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC#	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC#	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC#	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC#	3 one
Ra ; Data St*rage	1%2%040%10 000%/1%4%1 %1%GG)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC#	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC#	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC#	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC#	3 one
		J-25 =o..'e.., 3 on;Cierarchica', ! ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC#	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC#	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC#	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC#	3 one

		On'(E			
		J-25 2000)mage	1.2.*40.1000*.1.2.4.	SC#	3 one
		Com\$re..ion	61		

4.1.1.1: SOP S8e'i-i' Con-or , \$n'e

Storage AE :r*vides Standard " *n4*r2 an+e t* the St*rage Servi+e " lass%

Storage AE ; ill behave as des+ri3ed in the \$a3le 3el* ; in res: *nse t* the stat's ret' rned in the "-S\$!RE res: *nse +* 2 2 and 2 message%

T\$0(e " :

Stor\$%e C-STORE Res8onse S&\$!)s ; \$n*(in% 9e=\$.ior

Service Status	Further Meaning	Error Code	Behavior
Succe..	Succe..	0000)mage tran.mi..ion i. .ucce..fu', Hhe .tatu. code i. 'ogged and the ta.9 .ucce.. i. re\$orted to the u.er Oia ta.9 management.
1 efu.ed	Out of 1 e.ource.	A777	Hhe a. .ociation i. a"orted u.ing A;A4O1H and the .end ta.9 i. mar9ed a. fai'ed. Hhe rea.on i. 'ogged and,)f u.er .e'ect. the fai'ed ta.9, the rea.on. for thi. fai'ure Bi'' "e .hoBed Oia ta.9 management.
2 rror	Data Set doe. not match SO-C'a..	A677	Hhe a. .ociation i. a"orted u.ing A;A4O1H and the .end ta.9 i. mar9ed a. fai'ed. Hhe rea.on i. 'ogged and,)f u.er .e'ect. the fai'ed ta.9, the rea.on. for thi. fai'ure Bi'' "e .hoBed Oia ta.9 management.
2 rror	Cannot #nder.tand	C777	Hhe a. .ociation i. a"orted u.ing A;A4O1H and the .end Io" i. mar9ed a. fai'ed. Hhe rea.on i. 'ogged and,)f u.er .e'ect. the fai'ed ta.9, the rea.on. for thi. fai'ure Bi'' "e .hoBed Oia ta.9 management.
!ai'ure	An(other fai'ure	7777	Hhe a. .ociation i. a"orted u.ing A;A4O1H and the .end Io" i. mar9ed a. fai'ed. Hhe rea.on i. 'ogged and,)f u.er .e'ect. the fai'ed ta.9, the rea.on. for thi. fai'ure Bi'' "e .hoBed Oia ta.9 management.
8 arning	Coercion of Data 2'ement.	4000)mage tran.mi..ion i. con.idered .ucce..fu' "ut the .tatu. meaning i. 'ogged.
	Data Set doe. not match SO-C'a..	4007)mage tran.mi..ion i. con.idered .ucce..fu' "ut the .tatu. meaning i. 'ogged.
	2'ement. Di.carded	4006)mage tran.mi..ion i. con.idered .ucce..fu' "ut the .tatu. meaning i. 'ogged.
	An(other .tatu. code.	7777	Hhe A. .ociation i. a"orted u.ing A;A4O1H and the .end Io" i. mar9ed a. fai'ed. Hhe .tatu. code i. 'ogged

			and the Io" fai'ure i. re\$orted to the u.er Oia ta.9 management.
--	--	--	---

The behavior during +* 2 2 'ni+ati*n fail' re is s' 2 2 ari. ed in the \$a3le 3el* ; F

T\$0(e "4

S&or\$%e Co , ,)ni'\$&i on F\$(i)re 9e=\$.ior

Exception	Behavior
Timeout	The Association is aborted using A;A4O1H and the .end Io" i. mar9ed a. fai'ed. The rea. on i. 'ogged and the Io" fai'ure i. re\$orted to the u.er Oia ta.9 management.
Association aborted (the SC- or netBor9 'a(er.	The .end Io" i. mar9ed a. fai'ed. The rea. on i. 'ogged and the Io" fai'ure i. re\$orted to the u.er Oia ta.9 management.

The 4*ll* ; ing ta3les :r*vide the list *4 attri3'tes re<'e\$ted in the St*rage%

T\$0(e "A

US I , \$%e IOD

IE	Mo*)(e
, atient	, atient
St' dy	General St' dy
	, atient St' dy
Series	General Series
E<'i: 2 ent	General E<'i: 2 ent
I2 age	General I2 age
	I2 age , iJel
	=S Regi*n " ali3rati*n
	=S I2 age
	S! , " * 2 2 *n

T\$0(e "B

US M)(&i-Fr\$, e I , \$%e IOD

IE	Mo*)(e
,atient	,atient
St'dy	General St'dy
	,atient St'dy
Series	General Series
E<'i: 2ent	General E<'i: 2ent
I2age	General I2age
	I2age ,iJel
	"ine
	M'lti-4ra2e
	=S Regi*n "ali3rati*n
	=S I2age
	S! , " * 2 2 *n

T\$(e "D

SC I , \$%e IOD

IE	Mo*)(e
,atient	,atient
St'dy	General St'dy
	,atient St'dy
Series	General Series
E<'i: 2ent	General E<'i: 2ent
	S" E<'i: 2ent
I2age	General I2age
	I2age ,iJel
	S" I2age
	S! , " * 2 2 *n

T\$(e "8

En'\$8s)(\$e* PDF IOD

IE	Mo *)e
, atient	, atient
St ' dy	General St ' dy
	, atient St ' dy
Series	En+a: s' lated D*+ ' 2 ent
E<' i: 2 ent	General E<' i: 2 ent
	S " E<' i: 2 ent
En+a: s' lated D*+ ' 2 ent	En+a: s' lated D*+ ' 2 ent
	S ! , " * 2 2 *n

T\$0(e "#

R\$/ D\$\$ IOD

IE	Mo *)e
, atient	, atient
St ' dy	General St ' dy
	, atient St ' dy
Series	General Series
E<' i: 2 ent	General E<' i: 2 ent
Ra ; Data	A+<' isiti*n " *nteJt
	Ra ; Data
	S ! , " * 2 2 *n

T\$0(e !

En=\$n'e* US Vo() , e IOD

IE	Mo *)e
, atient	, atient
St ' dy	General St ' dy
	, atient St ' dy
Series	General Series
	Enhan+ed =S Series
@ra2e *4 Re4eren+e	@ra2e *4 Re4eren+e
	=ltras* ' nd @ra2e *4 Re4eren+e
	Syn+hr*ni . ati*n
E<' i: 2 ent	General E<' i: 2 ent
	Enhan+ed General E<' i: 2 ent
I2 age	General I2 age
	I2 age , iJel
	M ' lti-4ra2e @ ' n+ti* nal Cr* ' :s
	M ' lti-4ra2e Di2 ensi*n

En+ a: s' lated D*+ ' 2 ent Series M* d' le

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0000&00G0?	CS	1	M* dality	L# SM
>0020&000E?	#)	1	Series Instan+e =ID	A#HO
>0020&0011?)S	1	Series N' 2 3er	A#HO
>0000&105E?	=O	3	Serie. De. cri\$tion	& 8 =/#S2 1
D0040,027+E	S :	3	1eAue.t Attri"ute. SeAueuce	& 8 =
D0040,1001E	SC	1C	01eAue.ted - rocedure)D	& 8 =
D0040,0006E	SC	1C	0Schedu'ed - rocedure Ste\$)D	& 8 =
>0040&0001?	=O	3	YS+hed' led , r*+ed' re Ste: & 8 = Des+ri:ti*n	& 8 =
>0040&0000?	S :	3	YS+hed' led , r*t*+*l " *de Se<'en+e	& 8 =
D000*,0100E	SC	1C	00Code , a'ue	& 8 =
>0000&0102?	SC	1C	YY " *ding S+he 2 e designat*r	& 8 =
>0000&0105?	SC	1C	YY " *ding S+he 2 e 7ersi*n	& 8 =
>0000&0104?	=O	1C	YY " *de Meaning	& 8 =

T\$0(e !B

En=\$n'e* US Series Mo*)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0000&00G0?	"S	1	M*dality	N=S0
>0000&1111?	SA	1"	Re4eren+ed ,er4*r2 ed ,r*+ed're Ste: Se<'en+e	M, ,S
>0040&02G0?	SA	1"	,er4*r2 ed ,r*t*+*l " *de Se<'en+e	& 8 =

T\$0(e !D

Fr\$, e o- Re-eren'e Mo*)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0020&00/2?	=l	1	Re4eren+e =ID	A=\$!
>0020&1040?	#!	2	, *siti*n Re4eren+e Indi+at*r	Set to Kero 'length

T\$0(e !8

U(&r\$so)n6 r0154f.99695(n6 r0154f6 re96 T)4.94671(X)500.\$4n5*576

				Reference
00201501?	@D	1	7' 2 e t* \$ransd' +er Ma: :ing MatriJ	

D000*,1040E	=0	3	Institutional Department Name	CO3 !)5
-------------	----	---	----------------------------------	----------

T\$0(e ::

Gener\$(l , \$%e Mo *)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D000*,0023E	DA	2C	Content Date	A#HO
D000*,0033E	H&	2C	Content Time	A#HO
D000*,2111E	SH	3	Derivation Description	CO3 !)5, default i. .et to Kero 'length
D0020,0013E)S	2)n.tance 3 um"er	A#HO
D0020,0020E	CS	2C	-atient Orientation	Set to Kero 'length
D0020,4000E	=H	3)mage Comment.	Set to Kero 'length
D002*,0301E	CS	3	4urned)n Annotation	L / 2SM

T\$0(e :4

US l , \$%e Mo *)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D000*,000*E	CS	2)mage H(\$e	LO1)5)3 A=- 1)&A1 / M
D001*,+010E	=O	3	Hran.ducer Data	#S2 1
D001*,+020E	=O	3	-roce..ing !unction	#S2 1
D002*,0002E	#S	1	Sam\$'e. \$er -i7e'	1 or 3
D002*,0004E	CS	1	-hotometric)nter\$retation	L 1 5 4M, for co'or image. L&O3 OCC 1O&22M, if the image i. gra(.ca'e L / 4 1<! #==<422M, if the image i. .ent u.ing J-25. L 1 5 4M, if the image i. .ent u.ing J-25 =o..'e... L / 4 1<! #==M, if the image i. .ent u.ing 1=2 =o..'e... L / 4 1<)CHM, if the image i. .ent u.ing J-25 2000)mage Com\$re. .ion. L / 4 1<1CHM,if the image i. .ent u.ing J-25 2000)mage Com\$re. .ion D=o..'e.. On'(E

D002*,0006E	#S	1C	- 'anar Configuration	1, if the image is .ent u.ing 1=2 =o..'e.. 0 otherBi.e.
D002*,0006E	AH	1C	!rame)ncrement -ointer	!rame Hime
D002*,0014E	#S	3	# 'tra.ound Co'or Data -re.ent	0 or 1
D002*,0100E	#S	1	4it. A''ocated	07000*
D002*,0101E	#S	1	4it. Stored	07000*
D002*,0102E	#S	1	Cigh 4it	070007
D002*,0103E	#S	1	-i7e' 1e\$re.entation	070000
D002*,2110E	CS	1C	=o..()mage Com\$re..ion	3ot u.ed if image i. uncom\$re..ed .u\$Sort J-25 "a.e'ine, J-25 =o..'e..,1=2 =o..'e..,J-25 2000)mage Com\$re..ion,J-25 2000)mage Com\$re..ion D=o..'e.. On'(E \$roce..1 and .et it to L01M

T\$0(e :A

SC I , \$%e Mo *)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D001*,1012E	DA	3	Date *4 Se+*ndary "a:t're	A#HO
>0010&1014?	H&	3	\$i2e *4 Se+*ndary "a:t're	A#HO

T\$0(e :B

I , \$%e Pi<(Mo *)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D002*,0010E	#S	1	1oB.	CO3 !)5
D002*,0011E	#S	1	Co'umn.	CO3 !)5
D002*,0034E)S	1c	-i7e' A.\$sect 1atio	Set to Kero 'ength
D7!20,0010E	O 8	1	-i7e' Data	

Table 1: Diagnostic Parameters

SOP Coefficient, on Month

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D000*,000+E	CS	1C	Specific Character Set	A#HO
D000*,0012E	DA	3	Instance Creation Date	A#HO
D000*,0013E	H&	3	Instance Creation Time	A#HO
D000*,0016E	#)	1C	SO- C'a.. #)D	A#HO
D000*,001*E	#)	1C	SO- Instance #)D	A#HO

Table 2: US Region Coefficient

US Region Coefficient on Month

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D001*,6011E	S :	1	Sequence of # 'tra.ound 1 egion.	
OD001*,6012E	#S	1	Region S\$atia' !ormat	Set "(the .(.tem
OD001*,6014E	#S	1	Region Data H(\$e	Set "(the .(.tem
OD001*,6016E	#=	1	Region !'ag.	Set "(the .(.tem
OD001*,601*E	#=	1	Region =ocation &in ?0	Set "(the .(.tem
OD001*,601AE	#=	1	Region =ocation &in /0	Set "(the .(.tem
OD001*,601CE	#=	1	Region =ocation &a7 ?1	Set "(the .(.tem
OD001*,6012E	#=	1	Region =ocation &a7 /1	Set "(the .(.tem
OD001*,6024E	#S	1	-h(.ica' #nit. ? Direction	Set "(the .(.tem
OD001*,6026E	#S	1	-h(.ica' #nit. / Direction	Set "(the .(.tem
OD001*,6020E	S=	3	Reference -i7e' 70	Set "(the .(.tem
OD001*,6022E	S=	3	Reference -i7e' 70	Set "(the .(.tem

OD001*,602*E	!D	3	1ef. -i7e' -h(.ica' ,a'ue ?	Set "(the .(.tem
OD001*,602AE	!D	3	1ef. -i7e' -h(.ica' ,a'ue /	Set "(the .(.tem
OD001*,602CE	!D	1	-h(.ica' De'ta ?	Set "(the .(.tem
OD001*,6022E	!D	1	-h(.ica' De'ta /	Set "(the .(.tem

T\$(e :#

Cine Mo*)(e Use* -or US M)(&i-Fr\$, e I, \$%es On(+

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D000*,2142E)S	3	Start Hrim	Set "(the .(.tem
D000*,2143E)S	3	Sto\$ Hrim	Set "(the .(.tem
D000*,2144E)S	3	1ecomended Di.\$'a(!rame 1ate	Set "(the .(.tem
D001*,0040E)S	3	Cine 1ate	CO3 !)5
D001*,0072E	DS	3	2ffecti0e Duration	Set "(the .(.tem
D001*,1063E	DS	1C	!rame Hime	Set "(the .(.tem
D001*,106+E	DS	1C	!rame Hime ,ector	Set "(the .(.tem
D001*,1066E	DS	3	!rame De'a(Set "(the .(.tem
D001*,1242E)S	3	Actua' !rame Duration	Set "(the .(.tem
D001*,1244E	#S	3	-referred -'a("ac9 SeAuencing	Set "(the .(.tem

T\$(e 4

Multi-Frame Module Used for US Multi-Frame Images Only

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D002*,000*E)S	1	3um"er of !rame.	A#HO
D002*,0006E	AH	1	!rame)ncrement -ointer	001* 1063 Q !rame Hime

T04

SC Equipment Module Used for Second Capture Images Only

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D000*,0060E	CS	3	Unit Code	L#SM
D000*,0064E	CS	1	Conformation H(\$)	L 8 SDM
D001*,1010E	=O	3	Secondary Capture Device ID	LDC*M
D001*,1016E	=O	3	Secondary Capture Device & manufacturer	L&)3D1A/M
D001*,101*E	=O	3	Secondary Capture Device & manufacturer's code name	LDC*M
D001*,1016E	=O	3	Secondary Capture Device Software, version	A#HO

T04!

SC Image Module Used for Second Capture Images Only

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D001*,1012E	DA	3	Date of Secondary Capture	A#HO
D001*,1014E	H&	3	Time of Secondary Capture	A#HO

T04:

Event Description, and Motion

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0020&0015?)S	1	Instance Number	A#HO
>0000&0025?	DA	2	" Intent Date	A#HO
>0000&0055?	H&	2	" Intent Size	A#HO
>0000&002A?	DH	2	A+<' isiti*n	A#HO

			=ID	
>/001&0010?			F : rivate 2a : :ed t* >/001&00@@?	MMindrayRa ; Data0

>/001&1011?

F : rivate
2a : :ed t*
>/001&@@11?

			"al+ 'lati*n \$e+hnic<'e	
>/200&I250?	SA	1	,er-4ra2e @'n+ti*nal Cr*':s Se<'en+e	
>0020&I111?	SA	1	Y@ra2e " *ntent Se<'en+e	
>0010&I1/1?	D\$	1 "	YY@ra2e Re4eren+e Date\$!2e	Set 3y the syste 2
>0010&I014?	D\$	1 "	YY@ra2e A+<'isiti*n Date\$!2e	Set 3y the syste 2
>0010&I220?	@D	1 "	YY@ra2e A+<'isiti*n D'rati*n	Set 3y the syste 2
>0020&I1/1?	=#	1 "	YYDi2ensi*n IndeJ 7al'es	Set 3y the syste 2
>0020&I50E?	SA	1	Y, lane , *siti*n >7*'! 2e? Se<'en+e	
>0020&I501?	@D	1	YYI2 age , *siti*n >7*'! 2e?	Set 3y the syste 2
>0020&I510?	SA	1	Y\$e 2 : *ral , *siti*n Se<'en+e	
>0020&I50D?	@D	1	YY\$e 2 : *ral , *siti*n \$!2e !4set	Set 3y the syste 2
>0010&I001?	SA	1	YI2 age Data \$y:e Se<'en+e	
>0010&I000?	" S	1	YYData \$y:e	Set 3y the syste 2 N\$ISS=EKIN\$ENSI\$Y0 *r N@#! 9 K7E#! " I\$Y0
>0010&I00 ?	" S	1	YYAliased Data \$y:e	NN ! 0
>0020&0015?	IS	1	Instan+e	A#HO

			N' 2 3er	
>0000&0025?	DA	1	" *ntent Date	A#HO
>0000&0055?	\$M	1	" *ntent \$i2 e	A#HO
>0020&0000?	IS	1	N' 2 3er *4 @ra2 es	A#HO

T\$0(e 4D

M)(&i--r\$, e Di , ension Mo*)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0020&I221?	SA	1	Di2 ensi*n ! rgani .ati*n Se<' en+e	
>0020&I1G4?	=I	1	YDi2 ensi*n ! rgani .ati*n =ID	A=\$!
>0020&I222?	SA	1	Di2 ensi*n IndeJ Se<' en+e	In+l' ding 5 ite2 s%
>0020&I1G/?	A\$	1	YDi2 ensi*n IndeJ , *inter	lte2 1F 0J0020I50d lte2 2F 0J0020I501 lte2 5F 0J0010I000
>0020&I1G1?	A\$	1 "	Y@' n+ti*nal Cr* ' : , *inter	lte2 1F 0J0020I510 lte2 2F 0J0020I50e lte2 5F 0J0010I001
>0020&I1G4?	=I	1 "	YDi2 ensi*n ! rgani .ati*n =ID	lte2 1& lte2 2& lte2 5F A=\$!
>0020&I421?	# !	5	YDi2 ensi*n Des+ri : ti*n #a3el	lte2 1F \$i2 e lte2 2F I2 age : *siti*n>Z? lte2 5F Data ty: e

T\$0(e 48

En=\$n'e* US I , \$%e Mo*)(e

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
>0000&0000?	" S	1	I2 age \$y: e	N ! RICINA#6 , RIMARY0
>0020&0002?	=S	1	Sa2 : les , er	N10

			, iJel	
>0020&0004?	" S	1	, h*t* 2 etri+ Inter: retati*n	NM ! N ! " HR ! ME20
>0020&0100?	=S	1	its All*+ated	NO0
>0020&0101?	=S	1	its St*red	NO0
>0020&0102?	=S	1	High it	N10
>0020&0105?	=S	1	, iJel Re: resentati*n	NO0
>0020&I511?	" S	1	Di2 ensi*n ! rgani. ati*n \$y: e	N5D0 *r N5DK\$EM, ! RA#0F
>0000&002A?	D\$	1	A+< 'isiti*n Dateti2 e	A#HO
>0010&I015?	@D	1	A+< 'isiti*n D' rati*n	Set "(the .(.tem
>0020&0050?	DS	1	, iJel S: a+ing	Set "(the .(.tem
>0010&I00" ?	" S	1"	, *siti*n Meas' ring Devi+e =sed	N@REEHAND0
>20/0&0020?	" S	1	, resentati*n #=\$ Sha: e	NIDEN\$!\$Y0
>0020&10/2?	DS	1	Res+ale Inter+e: t	NO0
>0020&10/5?	DS	1	Res+ale SI* :e	N10
>0020&0501?	" S	1	' rned In Ann* tati*n	NN ! 0
>0010&I00I?	SA	1	\$ransd' +er S+an , attern " *de Se<' en+e	
Y>0000&0100?	SH	1	" *de 7al' e	N12/2420
Y>0000&0102?	SH	1	" *ding S+he2 e Designat* r	ND " M0
Y>0000&0105?	SH	1	" *ding S+he2 e 7ersi*n	N200I040I0
Y>0000&0104?	# !	1	" *de Meaning	N7*I' 2e s+an : attern0
>0010&I00D?	SA	1	\$ransd' +er Ce* 2etry " *de Se<' en+e	
Y>0000&0100?	SH	1	" *de 7al' e	N12/2/40

Y>0000&0102?	SH	1	" *ding S+he2 e Designat*r	ND " M0
Y>0000&0105?	SH	1	" *ding S+he2 e 7ersi*n	N200104010
Y>0000&0104?	# !	1	" *de Meaning	NSe+t*r 'ltrs* ' nd transd'+er ge* 2etry0
>0010&100E?	SA	1	\$ransd'+er ea2 Steering " *de Se<'en+e	
Y>0000&0100?	SH	1	" *de 7al'e	N12/2/00
Y>0000&0102?	SH	1	" *ding S+he2 e Designat*r	ND " M0
Y>0000&0105?	SH	1	" *ding S+he2 e 7ersi*n	N200104010
Y>0000&0104?	# !	1	" *de Meaning	NMe+hani+al 3ea2 steering0
>0010&100@?	SA	1	\$ransd'+er A: :li+ati*n " *de Se<'en+e	
Y>0000&0100?	SH	1	" *de 7al'e	N12/2G10
Y>0000&0102?	SH	1	" *ding S+he2 e Designat*r	ND " M0
Y>0000&0105?	SH	1	" *ding S+he2 e 7ersi*n	N200104010
Y>0000&0104?	# !	1	" *de Meaning	NEJternal \$ransd'+er0
>0010&/022?	DS	1	Me+hani+al IndeJ	Set "(the .(.tem
>0010&/024?	DS	1	*ne \$her2 al IndeJ	Set "(the .(.tem
>0010&/02G?	DS	1	" rani+al \$her2 al IndeJ	Set "(the .(.tem
>0010&/021?	DS	1	S*4t \$iss'e \$her2 al IndeJ	Set "(the .(.tem
>0010&1001?	@D	1	De:th>s? *4 @*+'s	Set "(the .(.tem
>0010&/0/0?	IS	1	De:th *4 S+an @ield	Set "(the .(.tem

" *nventi*ns 'sed 4*r the 7al'e>s? and " * 2 2ents se+ti*n are
M9 # B the attri3'te val'e s* 'r+e is 4r* 2 M*dality 9 ! R (#IS\$

=SER B the attri3'te val'e s*'r+e is 4r*2 =ser#s in: 't

A=\$! B a't*2ati+ally generated 3y the M!DA#I\$Y syste2

"!N@IC - the attri3'te val'e s*'r+e is a +*n4ig'ra3le :ara2eter

4.!.".:.:A'&i.i&+ E Fi(, I , \$%es

4.!.".:.:."Des'ri8&ion \$n* Se@)en'in% o- A'&i.i&ies

A 'ser +*2:*ses i2ages *nt* 4il2 sheets and re<'ests the2 t* 3e sent t* a s:e+i4i+
hard+*:y devi+e% \$he 'ser +an sele+t the desired 4il2 4*r2at and n' 23er *4 +*:ies% Ea+h
:rint-)*3 is 4*r; arded t* the)*3 <'e'e and :r*+essed individ'ally%

\$he syste2 is inv*-ed 3y the 'ser *n NSend t*0 =I i4 the :rint re2 *te AE is :re-+*n4ig' red%
Stat's *4 the :rint-)*3 is re:*rted thr*'gh tas- 2anage2ent =I% I4 :re-+*n4ig' red *n
, reset =I& the 4ailed :rint tas- ;ill 3e a't*2ati+ally retried s:e+i4ied ti2es% I4 n*
:re-+*n4ig'rati*n& the 'ser +an als* retry 2an'ally% !nly *ne tas- ;il: i

The printer status attributes defined via N-CE\$ are listed in the following table:

**Table 51
Printer SOP Class N-GET Request Attribute Identifier List**

Attribute Name	Tag
-rinter Statu.	D2110,0010E
-rinter Statu.)nfo	D2110,0020E
-rinter 3ame	D2110,0030E
&anufacturer	D000*,0070E
&anufacturer &ode' 3ame	D000*,1060E
De0ice Seria' 3um"er	D001*,1000E
SoftBare ,er.ionD.E	D001*,1020E
Date of =a.t Ca'i"ration	D001*,1200E
Hime of =a.t Ca'i"ration	D001*,1201E

The behavior of the printer when entering status codes in a N-CE\$ response is described in the following table:

**Table 52
Printer SOP Class N-GET Response Status Handling Behavior**

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The printer returns the requested information successfully.
Warning	Warning	7777	The printer continues to be printed.
Failure	Failure	7777	The association is aborted using A;A401H and the printer is marked as failed. The printer status meaning is logged and reported to the user.

4.1.4.1 Printer SOP Class N-GET Event Report

Table A:

Printer SOP Class N-GET Event Report

Event Type Name	Event Type ID	Behavior
Warning	1	The printer continues to be printed.
Warning	2	The printer continues to be printed. The content of -rinter Statu.)nfo D2110, 0020E is logged and reported to the user via the Io";control" command.
Failure	3	The printer is marked as failed. The content of -rinter Statu.)nfo D2110, 0020E is logged and reported to the user via the Io";control" command.

		notification.
@	@	An invalid event ID caused a .tatu. code of 0113C to "e returned in a 3;2 , 23H;12-O1H re.\$on.e.

, rint AE is +a:a3le *4 re+eiving an N-E7EN\$-RE , !R\$ re<'est at any ti2e d'ring an ass*+iati*n% \$he 3ehavi*r *4 ,rint AE ;hen re+eiving Event \$y:es ;ithin the N-E7EN\$-RE , !R\$ is s' 2 2ari.ed in the \$a3le /5%

\$he reas*ns 4*r ret'ring s:e+i4+ stat's +*des in a N-E7EN\$-RE , !R\$ res:*nse are s' 2 2ari.ed in the \$a3le 3el* ;F

T\$0(e A4

Printer SOP C(\$ss N-EVENT-REPORT Res8onse S(\$s) s Re\$sons

Service Status	Further Meaning	Error Code	Reasons
Succe..	Succe..	0000	Hhe notification e0ent ha. "een .ucce..fu"(recei0ed.
!ai'ure	3o Such 20ent H(\$e	0113C	An in0a'id 20ent H(\$e)D Ba. .u\$'\$ied in the 3;2 , 23H;12-O1H reAue.t.
!ai'ure	-roce..ing !ai'ure	0110C	An interna' error occurred during \$roce..ing of the 3;2 , 23H;12-O1H. A .hort de.cri\$tion of the error Bi'' "e returned in 2rror Comment D0000, 0602E.

4.!. ".:..ASOP S8e'i-i' Con-or , \$n'e -or &=e Fi(, Session SOP C(\$ss

, rint AE s' : : *rts the 4*ll* ;ing DIMSE * :erati*ns 4*r the @il2 Sessi*n S ! , " lassf

L N-" REA\$E

L N-DE#E\$E

Details *4 the s' : : *rted attri3'tes and stat's handling 3ehavi*r are des+ri3ed in the 4*ll* ;ing s' 3se+ti*ns%

4.!. ".:..A." Fi(, Session SOP C(\$ss O8er\$itions 3N-CREATE4

\$he attri3'tes s' : : lied in an N-" REA\$E Re<' est are listed in the \$a3le 3el* ;F

Table 55

Film Session SOP Class N-CREATE Request Attributes

Attribute Name	Tag	VR	Value	Presence of Value	Source
3um"er of Co\$ie.	D2000,0010E)S	F1, 100G	A= 8 A / S	CO3 !)5
-rint -riorit(D2000,0020E	CS	=O 8 , &2D,C)5C	A= 8 A / S	CO3 !)5
&edium H(\$e	D2000,0030E	CS	4=#2 !)=&, C=2A1 !)=&, -A-21	A= 8 A / S	CO3 !)5
!i'm	D2000,0040E	CS	&A5AR)32 -1OC2SSO1	A= 8 A / S	CO3 !)5

		SHA3DA1DS7,10 SHA3DA1DS*,* SHA3DA1DS*,6 SHA3DA1DS*,10 =A3DSCA-2> SHA3DA1DS1,1 SHA3DA1DS2,1 SHA3DA1DS3,1 SHA3DA1DS1,2 SHA3DA1DS2,2 SHA3DA1DS3,2 SHA3DA1DS4,2 SHA3DA1DS3,3 SHA3DA1DS4,3 SHA3DA1DS+,3 SHA3DA1DS6,3 SHA3DA1DS4,4 SHA3DA1DS+,4 SHA3DA1DS6,4 SHA3DA1DS7,4 SHA3DA1DS*,4 SHA3DA1DS+,+ SHA3DA1DS6,+ SHA3DA1DS7,+ SHA3DA1DS*,+ SHA3DA1DS6,6 SHA3DA1DS7,6 SHA3DA1DS*,6 SHA3DA1DS6,6 SHA3DA1DS10,6 SHA3DA1DS7,7 SHA3DA1DS*,7 SHA3DA1DS6,7 SHA3DA1DS10,7 SHA3DA1DS*,* SHA3DA1DS6,*		
--	--	--	--	--

			SHA3DA1DS10,*		
1 eferenced !i'm Se..ion SeAuence	D2010,0+00E	S :			
01 eferenced SO- C'a.. #)D	D000*,11+0E	#)	1.2.*40.1000*+.1.1.1	A= 8 A / S	A#HO

01 eferenced
SO-)n.tance
#)D

D000*,11+0E #) # !rom created
!i'm Se..ion
SSO- +) #

0-17e' A. Sect 1atio	D002*,0034E)S	Set to Kero 'length	, 3 A-	A#HO
04it. A''ocated	D002*,0100E	#S	*	A= 8 A / S	A#HO
04it. Stored	D002*,0101E	#S	*	A= 8 A / S	A#HO
0Cigh 4it	D002*,0102E	#S	7	A= 8 A / S	A#HO
0-17e' 1e\$re.entation	D002*,0103E	#S	0	A= 8 A / S	A#HO
0-17e' Data	D7!20,0010E	O4	-17e'. of rendered fi'm .heet	A= 8 A / S	A#HO

Note 1. If the attribute *4)mage Di.'a(!ormat is >S\$ANDARDT2& n?& n' 2Ki2 age is 2Vn%
The behavior *4 ,rint AE ;hen en+*'ntering stat's +*des in a N-SE\$ res:*nse is
s' 2 2ari.ed in the \$a3le 3el* ;F

Table 63
Image Box SOP Class N-SET Response Status Handling Behavior

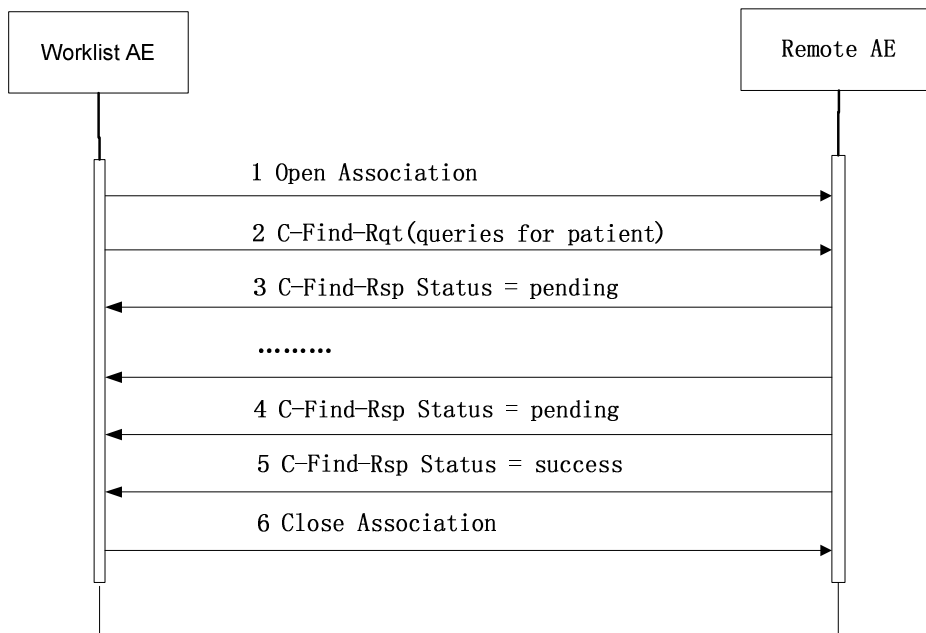
Service Status	Further Meaning	Error Code	Behavior
Succe..	Succe..	0000	If age :rint is s' ++ess4' l& \$he stat' s +*de is l*ggged and the tas- s' ++ess is re: *rted t* the 'ser via tas- 2 anage 2ent%

Warning : Image size is larger than image

			meaning i. 'ogged and re\$orted to the u.er.
!ai'ure)n.ufficient memor(in \$rinter to .tore the image.	C60+	Hhe A..ociation i. a"orted u.ing A;A4O1H and the \$rint;Io" i. mar9ed a. fai'ed. Hhe .tatu. meaning i. 'ogged and re\$orted to the u.er.
!ai'ure	Com"ined -rint)mage SiKe i. 'arger than)mage 4o7 .iKe.	C613	Hhe A..ociation i. a"orted u.ing A;A4O1H and the \$rint;Io" i. mar9ed a. fai'ed. Hhe .tatu. meaning i. 'ogged and re\$orted to the u.er.
!ai'ure	An(other fai'ure	7777	Hhe A..ociation i. a"orted u.ing A;A4O1H and the \$rint;Io" i. mar9ed a. fai'ed. Hhe .tatu. meaning i. 'ogged and re\$orted to the u.er.

4.!.":.4A'&i.i&+ E Sen* Fin* Re@)es&

4.!.":.4."Des'ri8&ion \$n* Se@)en'in% o- A'&i.i&ies



Fi%)re A

Sequencing of Activity – Send FIND Request

A : *ssi3le se<'en+e *4 intera+ti*ns 3et; een the 9 *r-list AE and a re2 *te AE >e%g% a syste2 s'+h as a RIS *r HIS|| *r a ,A" S? is ill'strated in the @ig're 3el* ;F

1. Hhe 8or9'i.t A2 o\$en. an a..ociation Bith the remote A2
2. Hhe 8or9'i.t A2 .end. a C;!)3D reAue.t to the remote A2 containing the :uer(

- attribute.
3. The remote A2 returns a C;!)3D response containing the requested attribute of the first matching item.
 4. The remote A2 returns another C;!)3D response containing the requested attribute of the second matching item. And then another one.
 5. When the remote A2 returns a C;!)3D response. Both status. Success. indicating that no further matching items exist.
 6. The C;!)3D response from the remote A2.

4.1.4.1 Proposed Presentation Contexts

Table 64
Proposed Presentation Contexts for Worklist AE

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name	UID		
DICOM Worklist Information Object	1.2.840.10008.1.4.31	Worklist, 1	1.2.840.10008.1.2	SC#	3 one
		Worklist, 1	1.2.840.10008.1.2.1	SC#	3 one
		Worklist, 1	1.2.840.10008.1.2.1.1		

	reAue.t		
Succe..	&atching i. com\$'ete ; 3 o fina')dentifier i. .u\$\$'ied.	0000	-atient 'i.t. .hoB on the #)
-ending	&atche. are continuing ; Current &atch i. .u\$\$'ied and an(O\$tiona' Te(. Bere .u\$\$orted in the .ame manner a. 1eAured Te(..	!!00	/
-ending	&atche. are continuing ; 8 arning that one or more O\$tiona' Te(. Bere not .u\$\$orted for e7i.tence for thi.)dentifier.	!!01	/
@	Hhe A..ociation i. a"orted u.ing A;A4O1H and the Auer(i. mar9ed a. fai'ed. Hhe .tatu. meaning i. 'ogged and re\$orted to the u.er if an interacti0e Auer(. An(additiona' error information in the 1e.\$on.e Bi'' "e 'ogged.	An(other .tatu. code.	Hhe a..ociation i. a"orted u.ing A;A4O1H and a notif(me..age i. di.\$'a(ed> Some error. ha\$\$en Bhen Auer(Bor9'i.t .er0er.

Worklist Request Identifier

ATTRIBUTE	VR	ATTRIBUTE NAME	MATCHING KEYS	RETURN KEYS
Module: Patient Identification Module (M)				
D0010,0010E	-3	-atient). 3 ame	configura"e	? D D) E
D0010,0020E	=O	-atient)D	configura"e	? D D) E
D0010,1000E	=O	Other -atient)D.		? D D) E
Module: Patient Demographic Module (M)				
D0010,0030E	DA	-atient). 4 irth Date		? D D) E
D0010,0032E	H&	-atient). 4 irth Hime		? D D) E
D0010,0040E	CS	-atient). Se7		? D D) E
D0010,1020E	DS	-atient). SiKe		? D D) E
D0010,1030E	DS	-atient). 8 eight		? D D) E
D0010,2160E	SC	2thnic 5 rou\$? D D) E
D0010,4000E	=H	-atient Comment.		? D D) E
D0040,3001E	=O	Confidentia'it(con. traint on \$atient data De. cri\$tion		? D D) E
Module: Patient Medical Module (M)				
D0010,2000E	=O	&edica' A'ert.		? D D) E
D0010,2110E	=O	Contra. t A''ergie.		? D D) E
D0010,2140E	#S	Additional' -atientP. Ci. tor(? D D) E
D0010,21C0E	#S	-regnanc(Statu.		? D D) E
D0010,21D0E	DA	=a. t &en. trua' Date		? D D) E
D003*, 00+0E	=O	S\$ecia' 3eed.		? D D) E
D003*, 0+00E	=O	-atient State		? D D) E
Module: Visit Relationship Module (M)				
D000*, 1120E	S :	l eferenced -atient SeAuence		? D D) E
Module: Visit Identification Module (M)				
D003*, 0010E	=O	Admi. .ion)D		? D D) E
Module: Visit Status Module (M)				
D003*, 0300E	=O	Current -atient		? D D) E

		Location		
Module: Visit Admission Module (M)				
DD000*,10*0E	=O	Admitting Diagnosis Description		? (D) E
Module: Scheduled Procedure Step Module (M)				
DD0040,0100E	S :	Scheduled - procedure Step Sequence		? (D) E
DD000*,0060E	CS	Code	Configuration and the default value	
DD0032,1070E	=O	Selected Contract Agent		? (D) E
DD0040,0001E	A2	Scheduled Station A2 Title	configuration and the default value (our A2 title)	? (D) E
DD0040,0002E	DA	Scheduled - procedure Step Start Date	configuration and the default value (today's date)	? (D) E
DD0040,0003E	H&	Scheduled - procedure Step Start Time		? (D) E
DD0040,0004E	DA	Scheduled - procedure Step 2nd Date		? (D) E
DD0040,000+E	H&	Scheduled - procedure Step 2nd Time		? (D) E
DD0040,0006E	- 3	Scheduled - performing - technician's name		? (D) E
DD0040,0007E	=O	Scheduled - procedure Step Description		? (D) E
DD0040,000*E	S :	Scheduled - protocol Code Sequence		? (D) E
DD0000*,0100E	SC	Code , value		? (D) E
DD0000*,0102E	SC	Coding Scheme Designator		? (D) E
DD0000*,0103E	SC	Coding Scheme , version		? (D) E
DD0000*,0104E	=O	Code Meaning		? (D) E
DD0040,0006E	SC	Scheduled - procedure		? (D) E

		Station ID		
OD0040,0010E	SC	Scheduled Station Name		? (D) E
OD0040,0011E	SC	Scheduled - procedure Station Location		? (D) E
OD0040,0012E	=O	- re; & education		? (D) E
OD0040,0020E	CS	Scheduled - procedure Station Status		? (D) E
OD0040,0400E	=H	Comment. on the Scheduled - procedure Station		? (D) E
Module: Requested Procedure Module (M)				
DD000*,1110E	S :	Referenced Student Sequence		? (D) E
OD000*,11+0E	#)	Referenced SO-Cat. #)D		? (D) E
OD000*,11++E	#)	Referenced SO-Instance #)D		? (D) E
DD0020,000DE	#)	Student Instance #)D		? (D) E
DD0032,1060E	=O	Requested - procedure Description		? (D) E
DD0032,1064E	S :	Requested - procedure Code Sequence		? (D) E
OD000*,0100E	SC	Code , a'ue		? (D) E
OD000*,0102E	SC	Coding Scheme Designator		? (D) E
OD000*,0103E	SC	Coding Scheme , er. ion		? (D) E
OD000*,0104E	=O	Code &eaning		? (D) E
DD0040,1001E	SC	Requested - procedure ID	configuration	? (D) E
DD0040,1003E	SC	Requested - procedure		

Module: Imaging Service Request Module (M)				
D000*,00+0E	SC	Accession Number	configuration	? D D) E
D000*,0060E	- 3	Referring -h(.ician). Name		? D D) E
D0032,1032E	- 3	Referring -h(.ician)		? D D) E
D0032,1033E	=O	Referring Service		? D D) E
D0040,2400E	=H	Imaging Service Referring Comment.		? D D) E
Module: SOP Common Module (M)				
D000*,000+E	CS	Specific Character Set		? D D) E
Module: Additional Attributes Module (M)				
D000*,0032E	H&	Acquisition Time		? D D) E

given

When the transfer is attempted; the system will automatically transfer the selected test to the AE. If it fails, the user can restart the failed task by pressing [Retry]. The DI will be displayed.

4.1.2.1.1. Proposed Presentation Contexts

**Table 68
Proposed Presentation Contexts for MPPS AE**

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name	UID		
Method performed procedure Step - C...	1.2.40.1000.3.1.2.3.3	Method, 1 = the Indian	1.2.40.1000.1.2	SC#	3 one
		Method, 1 = the Indian	1.2.40.1000.1.2.1	SC#	3 one
		Method, 1 = the Indian	1.2.40.1000.1.2.2	SC#	3 one

M, S-S = ; ill : r* : *se , resentati* n " nteJts 4*r the S ! , " lasses listed a3*ve% @*r these S ! , " lass& M , S-S" = ; ill : r* : *se 2 'lti:le , resentati* n " nteJts& *ne 4*r ea+h *4 the s' : : *rted \$rans4er SyntaJes%

If M, S AE is *4ered a +h*i+e *4 \$rans4er SyntaJes in the a++e:ted , resentati* n " nteJts& it ; ill a : :ly the 4irst en+*' ntered t* 'se 4*r the M , , S AE * :erati*n%

4.1.2.1.2. SOP S8e'i-i' Con-or , \$n'e

M, S AE :r*vides Standard " *n4*r2 an+e t* the M , , S Servi+e " lass%

M, S-S" = ; ill 3ehave as des+ri3ed in the \$a3le 3el* ; in res : *nse t* the stat's ret' rned in the N-" reate *r N-Set res : *nse +* 2 2 and 2 essage%

**Table 69
MPPS Response Status Handling Behavior**

Service Status	Further Meaning	Error Code	Behavior(As scu)
Success	The performed procedure .te\$. are .ucce..fu''(tran.ferred	0000	The 3;S2H o\$eration i. con.idered .ucce..fu' and the & - -S uid i. .a0ed in .(.tem.
Warning	The a..ociation i. a"orted u.ing A;A4O1H and the tran.fer i. mar9ed a. fai'ed. Hhe rea.on i. 'ogged and re\$orted to the u.er.	4607	

Failed	The association is aborted using A;A401H and the transfer log is marked as failed. The reason is logged and reSorted to the user.	C607	The association is aborted using A;A401H and the & - - S uid in it .a0ed.
--------	---	------	---

The table provides a description of the M, S, N- " REASE and N-SE\$ re< est identifiers sent by 'ltras*'nd syste2% E2:ty +ells in the N- " REASE and N-SE\$ +*l' 2 ns indicate that the attribute is not sent. An NJ0 indicates that an attribute value will be sent. A NZer* length0 attribute will be sent; its length

T\$(e D

MPPS N-CREATE / N-SET Re@)es& l*en&i-ier

Attribute Name	Tag	Req. Type N-CREATE	Req. Type N-SET
Module: Performed Procedure Step Relationship Module (M)			
Referenced -atient Sequence	D000*,1120E	2 Default is .et to nu'E	3ot a'oBed
-atientP. 3ame	D0010,0010E	2	3ot a'oBed

-atient)D0.145043()8.67 6 155 r e,f,4.13343(*)6.67 6 155424 8 4033.67 6 6 r e,()] Tl,133 8 (d)

Performed Series Sequence	D0040,0340E	2	3
Performed Station A2 Hit	D000*,00+4E	2 Default is set to null	2
Performed Station	D000*,1032E	2 Default is set to null	2
Performing -h (icianP. 3ame	D000*,10+0E	2	2
Operator.P 3ame	D000*,1070E	2	2
Performed Image Sequence	D000*,1140E	2	2
Rotocof 3ame	D001*,1030E	1	1
Series Instance #)D	D0020,0002E	1	1
Performed Sonography Comsite SO- Instance Sequence	D0040,0220E	2 Default is set to null	2
Module: Billing And Material Management Code Module (M)			
Billing - procedure Step Sequence	D0040,0320E	3	3
Item Consumption Sequence	D0040,0321E	3	3
Billing Summary and Device Sequence	D0040,0324E	3	3
Module: Performed Procedure Step Information Module (M)			
Procedure Code Sequence	D000*,1032E	2 Default is set to null	3
Performed Station A2 Hit	D0040,0241E	1	3 or a'Bed
Performed Station 3ame	D0040,0242E	2 Default is set to null	3 or a'Bed
Performed Location	D0040,0243E	2 Default is set to null	3 or a'Bed
Performed - procedure Step Start Date	D0040,0244E	1	3 or a'Bed
Performed - procedure Step Start Time	D0040,024+E	1	3 or a'Bed
Performed - procedure Step 2nd Date	D0040,02+0E		

	#name to source.	C???	D0000,0601E D0000,0602E	notification message identifier. diagnostic (ed) The remote server error.
Canceled	atching terminated due to Canceled request.	!200	3 one	
Success	atching complete; 30 final identifier identifier.	0000	3 one	-patient identifier (on the #)
-ending	atches are continuing; Current match identifier and an (Optional) Test. Results sorted in the same manner as a failed Test.	!!00)identifier	/
	atches are continuing; Warning that one or more Optional Test. Results not sorted for retrieval and/or matching for this identifier	!!01)identifier	/

The 'User' and system status: * indicates the 4* level; ing < every level

Z Study

The user/Retrieve AE interaction: * indicates the 4* level; ing status + *des

Table D:

C-Motion Response Status; * indicates (in % 9e=).ior

Service Status	Meaning	Protocol Codes	Related Fields	Behavior (as SCU)
1 refused	1 refused Out of 1 source.	A700	D0000,0602E	The association identifier. A401H and a notification message identifier. diagnostic (ed) The remote server error.
! failed	identifier does not match SO-Ca.	A600	D0000,0601E D0000,0602E	
	#name to source.	C???	D0000,0601E D0000,0602E	
Canceled	atching terminated due to Canceled request.	!200	3 one	
Success	atching complete; 30 final identifier identifier.	0000	3 one	image retrieve identifier. success, -patient identifier (on the #)
-ending	atches are continuing; Current match identifier and an (Optional) Test. Results sorted in the same manner as a failed Test.	!!00)identifier	/
	atches are continuing; Warning	!!01)identifier	/

D0010,1000E	=O	O	Other Patient ID.		3
D0010,1001E	- 3	O	Other Patient Name.		3
D0010,1010E	AS	O	Patient Age		3
D0010,1020E	DS	O	Patient Sex		3
D0010,1030E	DS	O	Patient Height		3
D0010,2160E	SC	O	Ethnic Group		3
D0010,21*0E	SC	O	Occupation		3
D0010,2140E	=H	O	Additional Patient Contact		3
D0010,4000E	=H	O	Patient Comment.		3
D0020,1070E)S	O	Other Student Number.		3
D0020,1200E)S	O	Student Number of Patient's Study.		3
D0020,1202E)S	O	Student Number of Patient's Study Series.		3
D0020,1204E)S	O	Student Number of Patient's Study Instance.		3
D0020,1206E)S	O	Student Number of Study Series.		3
D0020,120*E)S	O	Student Number of Study Instance.		3
D400*,010CE	- 3	O	Interpretation Author		3
Module: Additional Attributes Module (O)					
D000*,0062E	# 3	O	SO- Care in Study		3

4.1.1.1.B.1.A Series Level Attributes

Table DA

SERIES LEVEL ATTRIBUTES

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE	MATCHING KEYS
Module: Study Root Information Model (M)					
D0020,000DE	#)	#	Study Instance ID		S
D0020,0002E	#)	#	Series Instance ID		3
D000*,0060E	CS	1	Modality		3
D0020,0011E)S	1	Series Number		3
D0020,1206E)S	O	Student Number of Series Instance.		3
Module: Additional Attributes Module (O)					
D000*,0021E	DA	O	Series Date		3
D000*,0031E	H&	O	Series Time		3

4.1.1.1.B.1.B Co , 80sige OO>e' & Inst\$ n'e Le.e(

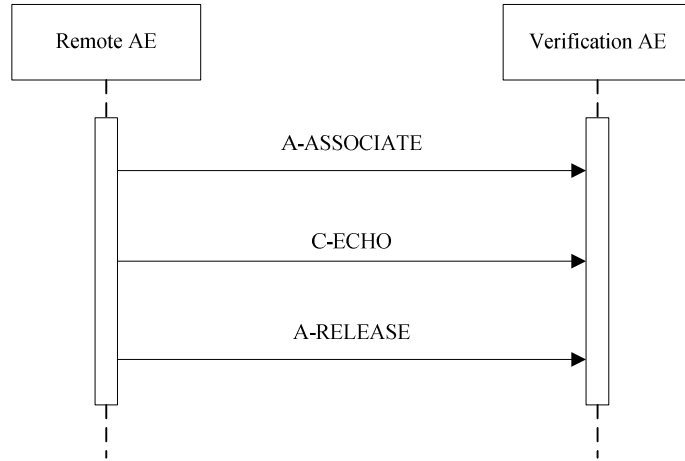


Figure 8

Sequencing of Activity – Receive Echo Request

4.1.4.1.1.1 A-ASSOCIATE Presentation Contexts

The A-ASSOCIATE message is used to initiate the association between the Remote AE and the Verification AE.

Table 77

Proposed Presentation Contexts for Activity Verification

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name	UID		
Verification	1.2.840.10008.1.1	Activity, 1 =itt'e 2ndian	1.2.840.10008.1.2	SC-	3 one
		Activity, 1 =itt'e 2ndian	1.2.840.10008.1.2.1	SC-	3 one
		Activity, 1 4ig 2ndian	1.2.840.10008.1.2.2	SC-	3 one

4.1.4.1.1.2: SOP Sequence - Association

The A-ASSOCIATE message is used to initiate the association between the Remote AE and the Verification AE.

4.1.4.1.1.3 A-ASSOCIATE Extended Presentation Contexts

4.1.4.1.1.3.1 Description of A-ASSOCIATE Extended Presentation Contexts

The system shall support the A-ASSOCIATE message, in A-ASSOCIATE message, the Remote AE shall send the A-ASSOCIATE message to the Verification AE, and the Verification AE shall respond with the A-ASSOCIATE message.

4.1.4.1.1.4 A-ASSOCIATE Presentation Contexts

The A-ASSOCIATE message is used to initiate the association between the Remote AE and the Verification AE.

Table 78
Proposed Presentation Contexts for Storage

PROPOSED PRESENTATION CONTEXTS					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
#S)mage Storage	1.2.*40.1000*.1.4.1.1.6.1)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC-	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC-	3 one
		J-25 =o..'e.. (, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4.+0	SC-	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC-	3 one
		J-25 =o..'e.., 3on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4.70	SC-	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC-	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4.60	SC-	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4.61	SC-	3 one
#S &u'tiframe)mage Storage	1.2.*40.1000*.1.4.1.1.3.1)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC-	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC-	3 one
		J-25 =o..'e.. (, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4.+0	SC-	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC-	3 one
		J-25 =o..'e.., 3on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4.70	SC-	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC-	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4.60	SC-	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4.61	SC-	3 one
Secondar(1.2.*40.100)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC-	3 one

CaStore)mage Storage	0*.+.1.4.1.1 .7	27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC-	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC-	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC-	3 one
		J-25 =o..'e., 3 on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC-	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC-	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC-	3 one
		J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC-	3 one
Com\$rehe.n.i oe Structured 1e\$ort Storage	1.2.*40.100 0*.+.1.4.1.1 .*.33)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC-	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC-	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC-	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC-	3 one
		J-25 =o..'e., 3 on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection , a'ue 1GE	1.2.*40.1000*.1.2.4. 70	SC-	3 one
		1=2 =o..'e..	1.2.*40.1000*.1.2.+	SC-	3 one
		J-25 2000)mage Com\$re..ion D=o..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC-	3 one
J-25 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC-	3 one		
2nca\$.u'ated -D! Storage	1.2.*40.100 0*.+.1.4.1.1 .104.1)m\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2	SC-	3 one
		27\$'icit , 1 =itt'e 2ndian	1.2.*40.1000*.1.2.1	SC-	3 one
		J-25 =o..(, 4a.e'ine SeAuentia' Bith Cuffman Coding D-roce.. 1E	1.2.*40.1000*.1.2.4. +0	SC-	3 one
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2.2	SC-	3 one
		J-25 =o..'e., 3 on;Cierarchica', !ir.t;Order -rediction D-roce.. 14 FSe'ection	1.2.*40.1000*.1.2.4. 70	SC-	3 one

		1=2 =0..'e..	1.2.*40.1000*.1.2.+	SC-	3 one
		J-2.5 2000)mage Com\$re..ion D=0..'e.. On'(E	1.2.*40.1000*.1.2.4. 60	SC-	3 one
		J-2.5 2000)mage Com\$re..ion	1.2.*40.1000*.1.2.4. 61	SC-	3 one

Note: The system will not start until the End of the Day (EOD) is completed.

4.1.4.1: SOP S8e'i-i' Con-or, \$n'e

The Administrator can set the default storage path, in accordance with the DICOM Standard.

4.1.4.2: A'&i.i&+ E Re'ei.e S&or\$%e Co, , i&, en&

4.1.4.3: "Des'ri&ion \$n* Se@)en'in% o- A'&i.i&ies

The administrator can set the storage path of the AE and the AE is illustrated in the figure 5.

See "Appendix B Send Storage Request"

4.1.4.4: !A' 'e&e* Present&\$&ion Con&e<&s

The storage path of the AE; in addition, the presentation name is shown in the table 3el* ;

Table 3-0

A' 'e&e* Present&\$&ion Con&e<&s -or

A'&i.i&+ Re'ei.e S&or\$%e Co, , i&, en& Res&onse

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name List	UID List		
Storage Commitment -u.h &ode'	1.2.*40.1000*.1.2.0.1	Image, 1 =itt'e	1.2.*40.1000*.1.2	SC	3 one
		2ndian		#	e
		27\$'icit , 1 =itt'e	1.2.*40.1000*.1.2	SC	3 on
		2ndian	.1	#	e
		27\$'icit , 1 4ig 2ndian	1.2.*40.1000*.1.2	SC	3 on
			.2	#	e

The storage path of the AE; in addition, the presentation name is shown in the table 4*r the storage path, 'sh M*del S! , "lass%

4.1.4.5: SOP S8e'i-i' Con-or, \$n'e

4.1.4.6: " S&or\$%e Co, , i&, en& O&er&\$&ions 3N-ACTION4

The storage path of the AE; in addition, the storage path of the AE is shown in the figure 4*r the AE's default

The behavior of the storage path of the AE; when receiving N-A+ti*n res: *nse stat's +*des

is serial number in the label;

Table 8

Storage, Installation, and Non-ACTION Response Status; (in Chinese)

Service **Further**
Status

is defined in the following table:

Table 8:

Storage, Image, and N-EVENT-REPORT Response Status Reasons

Service Status	Further Meaning	Error Code
Success	3;2, 23H;12-O1H message o\$erate .ucce...	0000
Failed	3;2, 23H;12-O1H message o\$erate fai'ed.	0110

4.1.4.4 Storage, Image, and N-EVENT-REPORT

is defined in the following table:

Table 84:

Storage, Image, and N-Event-Report Message Contents

EVENT TYPE NAME	EVENT TYPE ID	ATTRIBUTE	TAG	REQUIREMENT TYPE SCP
Storage Commitment 1eAue.t Succe..fu'	1	Hran.action #)D	D000*,116+E	1
		1eferenced SO- SeAuence	D000*,1166E	1
		01eferenced SO- C'a.. #)D	D000*,11+0E	1
		01eferenced SO-)n.tance #)D	D000*,11++E	1
Storage Commitment 1eAue.t Com\$'ete N !ai'ure. 27i.t	2	Hran.action #)D	D000*,116+E	1
		1eferenced SO- SeAuence	D000*,1166E	1
		01eferenced SO- C'a.. #)D	D000*,11+0E	1
		01eferenced SO-)n.tance #)D	D000*,11++E	1
		!ai'ed SO- SeAuence	D000*,116*E	1
		01eferenced SO- C'a.. #)D	D000*,11+0E	1
		01eferenced SO-)n.tance #)D	D000*,11++E	1
		0!ai'ure 1ea.on	D000*,1167E	1

4.2. Network/Port In-

4.2.1 Storage, Image, and N-EVENT-REPORT

Message ID: M AEs: r*vide DI" !M 5%0 \$", 6l, Net; *r- " * 2 2 'ni+ati*n S' : : *rt as defined in , art 0 *4 the DI" !M Standard%

4.2.1.1 TCP/IP S&'6

Message ID: M AEs inherit their \$", 6l, sta+- 4r*2 the 9 ind*; s 8, ! :erating Syste2 ' : *n ; hi+h they eJe+ 'te%

4.1.1 Physical Network Interfaces

The device supports a single network interface. The network interface is a RJ45 port. The network interface is a RJ45 port. The network interface is a RJ45 port.

Table 85
Supported Physical Network Interfaces

2HC2132H10004AS2H
2thernet 100"baseT
2thernet 10"baseT

4.1.4 Network Configuration

The device supports additional network configurations.

4.4 Network Configuration

The network configuration is performed by the service engineer. The network configuration is performed by the service engineer. The network configuration is performed by the service engineer.

4.4.1 Network Configuration

This configuration is performed during installation, and the network configuration is defined during the system network configuration.

4.4.1 Network Configuration

Log on to the DICOM Series Pro Series () SCU or SCP.

AE Title

, *rt

, D=

Server Settings

Device

I, address

Storage

Device Service and AE Title and , *rt%

Size *t%

Major 2 retries > default value is 5?

Interval Size > In this version this parameter is not saved?

* 2 : respiration mode * 2 : respiration Ratio%

* 1 * r M * de > * 1 * r MiJed * r Cray?%

"ine Z * * 2 M * de > * riginal * r G40V400?

All * ; M ' lti4ra2e>Ena3le * r n * t ?

Major rate > * : times > 2 / & 50 & 5 / & 4 ' II? & * r * ther in : ' ted valid value?

5D64D > N * r 2 al & Ra ; data * r 7 * l ' 2 e?

SR Storage ! : times > N Attach SR 9 then Storage Images & N ! nly Store SR & N Attach SR
9 then Store Images and SR " * ntains = ser-defined Measurements & N ! nly Store SR
and It " * ntains = ser-defined Measurements and N * t Store SRR?

Ena : s ' lated , D @ > Ena3le * r n * t ?

Default Service Status > Y6N?

Print

Device Service and AE Title and , *rt%

Size *t%

Major 2 retries > default value is 5?

Interval Size > In this version this parameter is not saved?

Media Size : ef , A , ER & " #EAR @I#M & * r # = E @I#M

@il2 Size ef

0IN810IN

0K/IN811IN

10IN812IN

10IN814IN

11IN814IN

11IN811IN

14IN814IN

14IN811IN

24 " M824 " M

24 " M850 " M

A4

A5

* : iesF1-100

Major Density F0-G / / 5 /

Min Density F0-G / / 5 /

Settings: RC *r M!N! "HR!ME2

Display: @*r2 atF

, !R\$RAI\$

STANDARD1&1

STANDARD1&2

STANDARD1&5

STANDARD2&1

STANDARD2&2

STANDARD2&5

STANDARD2&4

STANDARD5&5

STANDARD5&4

STANDARD5&/

STANDARD5&G

STANDARD4&4

STANDARD4&/

STANDARD4&G

STANDARD4&1

STANDARD4&0

STANDARD/&/

STANDARD/&G

STANDARD/&1

STANDARD/&0

STANDARDG&G

STANDARDG&1

STANDARDG&0

STANDARDG&I

STANDARDG&10

STANDARD1&1

STANDARD1&0

STANDARD1&I

STANDARD1&10

STANDARD0&0

STANDARD0&I

STANDARD0&10

#ANDS "A , EF

STANDARD1&1

- S\$ANDARDT1&1
- S\$ANDARDT2&1
- S\$ANDARDT5&1
- S\$ANDARDT1&2
- S\$ANDARDT2&2
- S\$ANDARDT5&2
- S\$ANDARDT4&2
- S\$ANDARDT5&5
- S\$ANDARDT4&5
- S\$ANDARDT / &5
- S\$ANDARDTG&5
- S\$ANDARDT4&4
- S\$ANDARDT / &4
- S\$ANDARDTG&4
- S\$ANDARDT1&4
- S\$ANDARDT0&4
- S\$ANDARDT / & /
- S\$ANDARDTG& /
- S\$ANDARDT1& /
- S\$ANDARDT0& /
- S\$ANDARDTG&G
- S\$ANDARDT1&G
- S\$ANDARDT0&G
- S\$ANDARDTI&G
- S\$ANDARDT10&G
- S\$ANDARDT1&1
- S\$ANDARDT0&1
- S\$ANDARDTI&1
- S\$ANDARDT10&1
- S\$ANDARDT0&0
- S\$ANDARDTI&0
- S\$ANDARDT10&0

Destinati*nF MACAZINE *r , R ! " ESS ! R

@il2 ! rientati*nF #ANDS " A , E *r , ! R\$RAI\$

, ri*rityF HICH& MED& *r # ! 9

" *n4ig' rati*n ln4*

Magni4i+ati*n \$y : eF N ! NE& " = I " & RE , #I " A\$E& *r I#INEAR

Media Storage

1. Introduction

1.1. Media Storage Function

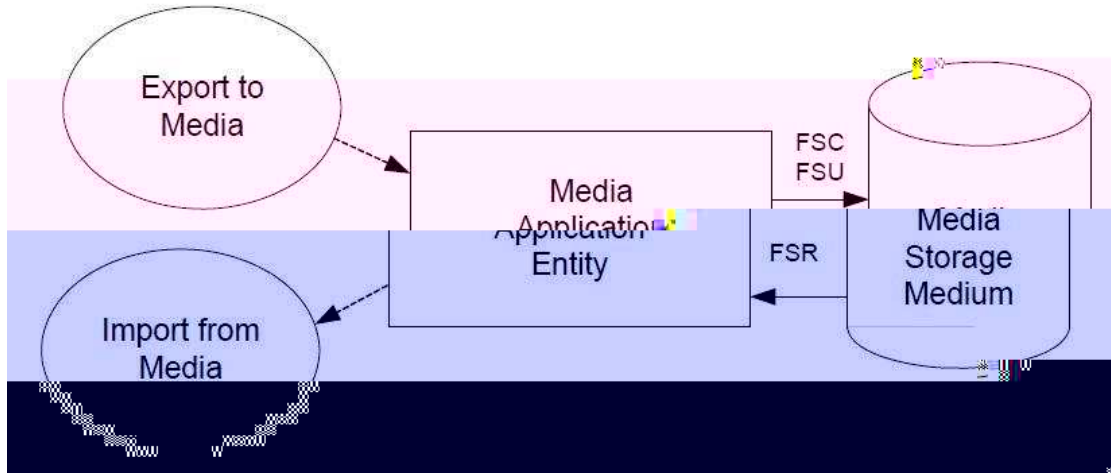


Figure 1

Media Storage Function, or Media Storage

The Media Application Entity: It is associated with the real-world activity. The Media Application Entity: It is associated with the real-world activity. The Media Application Entity: It is associated with the real-world activity.

1.2. Media Storage (De-initialization of AECs)

1.2.1. Media Storage (De-initialization of Media Application Entity)

The Media Application Entity: It is associated with the real-world activity. The Media Application Entity: It is associated with the real-world activity. The Media Application Entity: It is associated with the real-world activity.

1.3. Security of Re-initialization

At least one image must exist and be selected before the Media Application Entity can be inserted. The Media Application Entity; it is inserted into the device starting with the device.

A.1 Measurement of Aortic Diameter

See Figure 14.1: Aortic Diameter Measurement

T0(e #"

S) *+ Director or *

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D0004,1430E	CS	1	Director(record H(\$e	SH#D /
D000*,0020E	DA	1	Stud(Date	A#HO
D000*,0030E	H&	1	Stud(Hime	A#HO
D0020,0010E	SC	1	Stud()D	A#HO
D0020,000DE	#)	1C	Stud()n.tance #)D	A#HO
D000*,00+0E	SC	2	Accession number	& 8 =/#S2 1
D000*,1030E	=O	2	Stud(Description	If it is scheduled e7am, the value is masked from Scheduled - procedure Step Description If not, #S2 1
D000*,0060E	- 3		Referring -h(.ician). Name	& 8 =/#S2 1

T0(e #!

Series Director or *

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D0004,1430E	CS	1	Director(record H(\$e	S2 1)2S
D000*,0060E	CS	1	Unit(#S
D0020,0002E	#)	1	Series.)n.tance #)D	A#HO
D0020,0011E)S	1	Series. number	A#HO
D000*,0021E	DA	3	Series. Date	A#HO
D000*,0031E	H&	3	Series. Hime	A#HO
D000*,103eE	=O		Series. Description	If it is scheduled e7am, the value is masked from Scheduled - procedure Step Description If not, same as the value of Stud(Description
D000*,10+0E	- 3		-performing -h(.ician). Name	& 8 =/#S2 1

Table 5.1:

Table 5.1: Director or Reference

ATTRIBUTE	VR	TYPE	ATTRIBUTE NAME	VALUE(S) AND COMMENTS
D0004,1430E	CS	1	Director (Record H(\$)&A52
D0004,1+00E	CS	1C	Referenced file ID	A#HO

B SUPPORT OF CHARACTER SETS

In addition to the default character set, the Defined Series Specific Character Set in Table B-1 are supported.

Table B-1
Supported Specific Character Set Defined Terms

Character Set Description	Defined Term	System Language
ISO 8859-1	ISO 100	English, French, German, Italian, Portuguese, Spanish, Hindi, Danish, Icelandic, Norwegian, Swedish
ISO 8859-3	ISO 144	Ukrainian
ISO 8859-2	ISO 101	Czech
ISO 8859-6	ISO 14*	Hurdi
Chinese	GB 2312	Chinese

If the system language is not defined for a specific language, the corresponding Character Set will be used automatically. However, if the characters are displayed incorrectly in the operating system, the user should check if the system is not defined for the language and the characters are not displayed correctly.

8 ANNEXES

8.1 IOD Definitions

8.1.1 Create SOP Instances

None

8.1.2 Use of RI Objects - ROI

Note: The following fields are required

The following data elements describe the conventional identification attributes that distinguish patients, studies, series and instances. In addition, patients have the same value for patient ID, patient's Name and patient's Sex; they will be treated as the same in the series; series and the following data elements

8.1.3: ARI Object Mapping

Note: The following

8.1.4 Coercion/Modification

Note: The following is derived

8.1.5 DICOM Dictionary - RI Objects

Note: Private attributes are defined

8.1.6 Coercion, Incompatibility, RI Objects

The following table defines Meaning; will be displayed for all of the sequences. Note: The following is provided for alternative meanings

8.4 Graphics (e.g., Consistent)

Modality depends on the Contrast Standard Display Attributes

8.A **System Requirements** **See the following table for the system requirements.**

Configuration

None

8.B **Printer Settings**

None

A. A Structured Reporting Template

This table lists the Diagnostic Method Structure Report Tables included in the test strip and Cyneplus Strip Report Tables in the System Software.

The Tables are organized in a manner similar to the Diagnostic Method Structure Tables as described in Section 5.1. The Diagnostic Method Standard Name - CYN Report Tables; the Diagnostic Method Structure ID / 000F - CYN = Ltras, r + ed' re Report Table; here

All private values use the "Designation RMR=SR"

A.1. TID 3: 4 Methods, etc

This Table provides a general structure for a 2-eri-2-eas' re-ent together; with evaluation its reliability and its significance and the inherent structure of its value

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			3 # &	V&ea.urement	√		#nit. Q V #nit.
2	0	CAS CO3C2-H &OD	COD2	2, D5;C036, S1H, W&ea.urement ðodWE	√		Vðod
3	0	CAS CO3C2-H &OD	COD2	2, D121401, DC&, WDeriOationWE	√		VDeriOation
4	0	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, W!inding SiteWE	√		VHargetSite
+	00	CAS CO3C2-H &OD	COD2	2, D5;C171, S1H, W=atera'it(WE	√		DC)D D244E =atera'it(

6 0 CAS COD2 2, D121404, DC&,
-1O-21H)2
S

A.1. TID 8 S)O>e' & Con&e<&7 Fe&)s

NO	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1		CO3HA)321	2, D121036,DC&, W&other of fetu.ME			
2		#)D12!	2, D12102*,DC&, WSu"lect #)DME			
3		H2 ?H	2, D121030,DC&, WSu"lect)DME			
4		H2 ?H	2, D116+1;1,=3, W!etu.)DME	X		
+		3 # &	2, D11*7*;6,=3, W3um"er of !etu.e.ME	X		

A.2. TID 3A 4 O9-GYN U(&r\$so) n* Pro'e*) re Re8or&

This is the table of the relationship between the concept name and the value set constraint for the TID 3A 4 O9-GYN U(&r\$so) n* Pro'e*) re Re8or&.

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D12+000, DC&, LO4;5 / 3 #'tra.ound - rocedure 1e\$ortME	√		
2	0	CAS CO3C2-H &OD)3C=#D2	DH)D D1204E =anguage of Content)tem and De.cendant.			
3	0	CAS O4S CO3H2 ?H)3C=#D2	DH)D D1001E O".erOation Conte7t	√		
4	0	CO3HA)3S)3C=#D2	DH)D D+001E -atient Characteri.tic.	√		
+	0	CO3HA)3S	CO3HA)321	DH D11102*, DC&, L)mage =i"rar(ME	√		

6	00	CO3HA)3S)&A52	3o \$ur\$e of reference	√		
7	0	CO3HA)3S)3C=#D2	DH)D D+002E O4;5 / 3 -rocedure Summar(Section	√		
*	0	CO3HA)3S)3C=#D2	DH)D D+004E !eta' 4iometr(ratio Section	√		
6	0	CO3HA)3S)3C=#D2	DH)D D+00+E !eta' 4iometr(Section	√		
10	0	CO3HA)3S)3C=#D2	DH)D D+006E =ong 4one. Section	√		
11	0	CO3HA)3S)3C=#D2	DH)D D+007E !eta' Cranium Section	√		
12	0	CO3HA)3S)3C=#D2	DH)D D+006E !eta' 4io\$(.ica' -rofi'e Section	√		
13	0	CO3HA)3S)3C=#D2	DH)D D+011E 2ar'(5e.tation Section	√		
14	0	CO3HA)3S)3C=#D2	DH)D D+010E Amniotic Sac Section	√		
1+	0	CO3HA)3S)3C=#D2	DH)D D+01+E -e'oi. and #teru. Section	√		
16	0	CO3HA)3S)3C=#D2	DH)D D+012E O0arie. Section	√		
17	0	CO3HA)3S)3C=#D2	DH)D D+013E !o''ic'e. Section	√		V=atera'it(Q 2 , D5;A101, S1H, L=eftME V3um"er Q 2 , D11*76;4, =3, L3um"er of fo''ic'e. in 'eft o0ar(ME
1*	0	CO3HA)3S)3C=#D2	DH)D D+013E !o''ic'e. Section	√		V=atera'it(Q 2 , D5;A100, S1H, L1 ightME V3um"er Q 2 , D11**0;2, =3, L3um"er of fo''ic'e. in right o0ar(ME

16	0	CO3HA)3S	CO3HA)321	2, D121070, DC&, L!inding.ME	√		
20	00	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, L!inding SiteME	√		2, DH;16*00, S1H, L2m"r(onic , a.cu'ar StructureME
21	00	CO3HA)3S)3C=#D2	DH)D D+02+E O4;5 / 3 !eta' , a.cu'ar &ea.urement 5rou\$	√		VAnatom(5rou\$ Q DC)D D12141E !eta' , a.cu'ature
22	0	CO3HA)3S	CO3HA)321	2, D121070, DC&, L!inding.ME	√		
23	00	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, L!inding SiteME	√		2, DH;D6007, S1H, L-e'0ic , a.cu'ar StructureME
24	00	CO3HA)3S)3C=#D2	DH)D D+026E O4;5 / 3 -e'0ic , a.cu'ar &ea.urement 5rou\$	√		VAnatom(5rou\$ Q DC)D D12140E -e'0ic , a.cu'ature Anatomica' =ocation
2+	0	CO3HA)3S)3C=#D2	DH)D DS2=!H&-;1E	√		
26	0	CO3HA)3S	H2?H	D20121120,&1#S, L.e'f;defined; &ea.urementfi'eME	√		

A.4. TID 3SELFTMP-"4 Fe\$(C\$r* i\$' Me\$s) re , en& Gro)8

This is a private test: late referenced by \$ID >/000%

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, DH0001,&1#S,!ete' CardiacE	√		
2	0	CAS O4S CO3H2?H)3C=#D2	DH)D D100*E Su"lect Conte7t, !etu.	√		
3	0	CO3HA)3S)3C=#D2	DH)D DS2=!H&-;2E !eta' RSCO12	√		V&ea.H(\$e Q DC)D DS2=!C)D;1E !eta' R;Score VDeri0ation Q DC)D D3627E &ea.urement H(\$e

A.A. TID 3 SELF-TMP-14 FeH (HS) ore

This is a private test result referenced by ID >/000?

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1		CO3HA)3S	3C=#D2	DH)D D300E &ea.urement	√		
2		CO3HA)3S	3#&	2, DC12017;1, & 1#S, LR;Score "(!emur =engthME	√		ca'cu'ated "(V&ea.H(\$e and !emur =ength
3		CO3HA)3S	3#&	2, DC12017;2, & 1#S, LR;Score "(4i\$arieta' DiameterME	√		ca'cu'ated "(V&ea.H(\$e and 4i\$arieta' Diameter
4		CO3HA)3S	3#&	2, DC12017;3, & 1#S, LR;Score "(C'inica' 5e.tationa' AgeME	√		ca'cu'ated "(V&ea.H(\$e and C'inica' 5e.tationa' Age

A.B. TID 3 "4 OBSERVATION CONTEXT

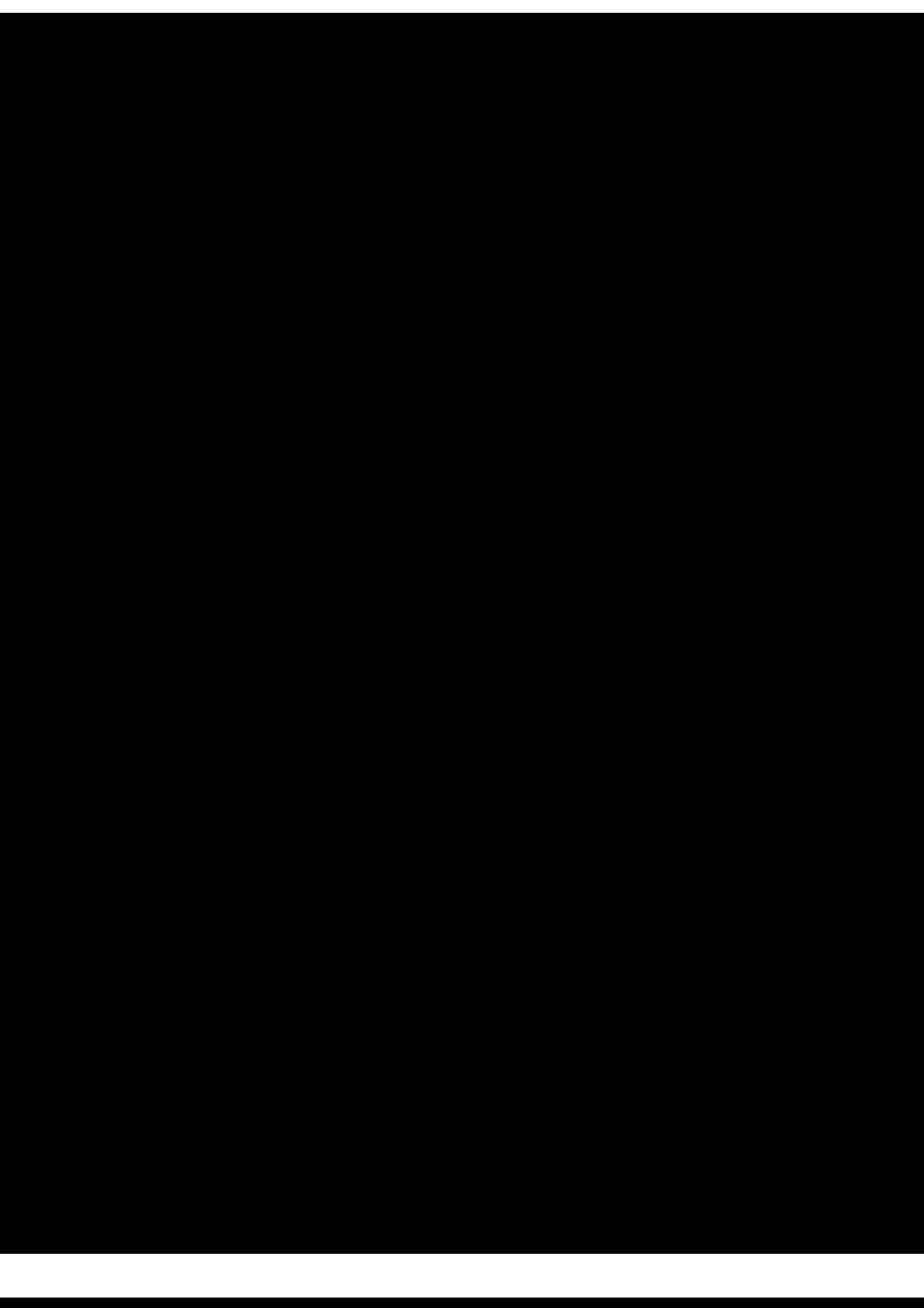
This test result identifies attributes *4 *3servati*n +*nteJt that 2ay 3e defined& eJtended *r
re: la+ed at any l*+ati*n in the SR tree%

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1	0	CAS O4S CO3H2?H	COD2	2, D12100+,DC&, LO".erOer H(\$eME	√		D121006,DC&, L-er.onME
2	0	CAS O4S CO3H2?H	-3A&2	2, D12100*,DC&, L-er.on O".erOer 3ameME	√		O\$erator from)nfo
3	0	CAS O4S CO3H2?H	H2?H	2, D121006,DC&, L-er.on O".erOerP. Organikation 3ameME	√)n.titution 3ame D000*,00*0E of the 5enera' 2Aui\$ment &odu'e
4	0	CAS O4S CO3H2?H	COD2	2, D121010,DC&, L-er.on O".erOerP. lo'e in the OrganikationME	√		D121063, DC&, W\$onogra\$herWE
+	0	CAS O4S CO3H2?H	COD2	2, D121024, DC&, W\$u"tect C'a..ME	√		D12102+, DC&, W-atientME

6	0	CAS O4S CO3H2 ?H	- 3A&2	2, D121026,DC&, W\Su"lect 3ameME	√		0a'ue of -atientP. 3ame D0010,0010E in -atient &odu'e
7	0	CAS O4S CO3H2 ?H	DAH2	2, D121031,DC&, W\Su"lect 4irth DateME	X		0a'ue of -atientP. 4irth Date D0010,0030E in -atient &odu'e
*	0	CAS O4S CO3H2 ?H	COD2	2, D121032,DC&, W\Su"lect Se7ME	X		0a'ue eAui0a'ent to -atientP. Se7 D0010,0040E in -atient &odu'e
6	0	CAS O4S CO3H2 ?H	3 # &	2, D121033,DC&, W\Su"lect AgeME	X		0a'ue of -atientP. Age D0010,1010E in -atient Stud(&odu'e

A.D. TID 3A "4 O9-GYN P&ien& C=\$r\$' &eris&i 's

NO	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D12111*, DC&, L-atient Characteri.tic.ME	√		
2	0	CO3HA)3S	H2 ?H	2, D121106, DC&, LCommentME			
3	0	CO3HA)3S	3 # &	2, D*302;2, =3, L-atient CeightME			
4	0	CO3HA)3S	3 # &	2, D26463;7, =3, L-atient 8 eightME			
+	0	CO3HA)3S	3 # &	2, D11666;6, =3, L5ra0idaME	√		from info
6	0	CO3HA)3S	3 # &	2, D11677;6, =3, L-araME	√		from info
7	0	CO3HA)3S	3 # &	2, D11612;6, =3, LA"ortaME	√		from info
*	0	CO3HA)3S	3 # &	2, D3306+;4, =3, L2cto\$ic -regnancie.ME	√		from infoD2cto\$icE



1*	0	CO3HA)3S	H2 ?H	D)12101;04, & 1 #S, WC-H4 De.cri\$tionWE	√		from info
	0	CO3HA)3S		D)12101;06, & 1 #S, W fo''ic'e;.timu'ating hormone WE	√		from info
	0	CO3HA)3S		D)12101;07, & 1 #S, W 'uteiniKing hormone WE	√		from info
	0	CO3HA)3S		D)12101;0*, & 1 #S, W e.tradio' WE	√		from info
	0	CO3HA)3S		D)12101;06, & 1 #S, W Serum Sro'actin WE	√		from info
	0	CO3HA)3S		D)12101;10, & 1 #S, W Sroge.terone WE	√		from info
	0	CO3HA)3S		D)12101;11 & 1 #S, W te.to.terone WE	√		from info
	0	CO3HA)3S		D)12101;12, & 1 #S, Wc'omi\$hene citrate WE	√		from info
	0	CO3HA)3S		D)12101;14, & 1 #S, Whuman meno\$au.a' gonadotro\$in WE	√		from info
	0	CO3HA)3S		D)12101;13, & 1 #S, W human chorionic gonadotro\$in WE	√		from info
	0	CO3HA)3S	H2 ?H	D)12101;1+, & 1 #S, W Other. drug WE	√		from info
26	0	CO3HA)3S	H2 ?H	2, D121106, DC&, Comment E	√		reSort interface Comment.
	0	CO3HA)3S	H2 ?H	D)12101;0+, & 1 #S, W -rom\$WE	√		reSort interface -rom\$t
	0	CO3HA)3S	H2 ?H	D121071, DC&, W!inding.WE	√		reSort interface !inding.
	00)3C=#D2	DH)D D320E)mage or S\$atia' Coordinate.			
	0	CO3HA)3S)3C=#D2	4H)D D+003E O4;5 / 3 !etu. Summar(√		

A.#. TID 3A :4 O9-GYN Fe&)s S) , , \$r+

NL RelV□V5h-)L.-2 q)BqL5v5□□VuD8□□Vqh.BL5v5□Bv.B-YBu)B□V5h-)L.q-VhvYv25hY□5-5□□V□VYL25iV5h-)L.q-V(tv)5□□V)

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	DH D12+00*, DC&, L!etu. Summar(ME	√		
2	0	CAS O4S CO3H2?H	H2?H	2, D116+1;1,=3,W!etu.)DME	√		
3	0	CAS O4S CO3H2?H	3#&	2, D11*7*;6,=3, W3um"er of !etu.e.ME	√		
4	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D1*1*+;6, =3, W5e.tationa' AgeWE
+	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D11***;+, =3, W Com\$.ite #'tra.ound AgeWE
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D11**+;1, =3, W5e.tationa' Age WE "(=& -ME
7	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D11727;+, =3, W2.timated 8 eightME
*	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D11767;1, =3, W2! 8 Sercenti'e ran9WE
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D1164*;7, =3, W !eta' Ceart 1ateWE
10	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q DC12016;01, & 1 #S, W5e.tationa' Age "(, !WE
11	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D)12016;01, & 1 #S, W5A of -re0iou. 27amWE

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
12	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q DC12016;02, & 1 #S W5e.tationa' Age "(- 1 , WE
13	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q DC12016;03, & 1 #S W5e.tationa' Age "(2DDWE
14	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q DC12016;4, & 1 #S W5e.tationa' Age "(2! 8 WE
1+	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q DC12016;4, & 1 #S W5e.tationa' Age "(mean 5e.tationa' Sac DiameterWE
16	0	CO3HA)3S)3C=#D2	!)3D)3 5<1	√		
17	0	CO3HA)3S)3C=#D2	!)3D)3 5<2	√		
1*	0	CO3HA)3S)3C=#D2	!)3D)3 5<3	√		
16	0	CO3HA)3S)3C=#D2	!)3D)3 5<4	√		
20	0	CO3HA)3S)3C=#D2	!)3D)3 5<+	√		
21	0	CO3HA)3S)3C=#D2	!)3D)3 5<6	√		
22	0	CO3HA)3S)3C=#D2	!)3D)3 5<7	√		

A." . TID 3FINDING I "4 Fe&\$(Des 'ri&ion

\$his is a : rivate te 2 : late referen+ed 3y \$ID >/005%

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1		CO3HA)3S	CO3HA)321	D! 5 12016;01,& 1 #S,W!eta' De.cri\$tionWE	√		
2	0	CO3HA)3S	H2 ?H	D! 5 1201*;02,& 1 #S,W!eta' =ieWE	√		

NL	Rel with Parent	VT	Concept Name	Used MODALITY	in	Condition	Value Set Constraint
----	-----------------	----	--------------	---------------	----	-----------	----------------------

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condi on	Value Set Constrai nt
1		CO3HA)3S	CO3HA)3 21	D! 54031;03,& 1 #S,W!etu. =im".WE	√		
2	0	CO3HA)3S	H2 ?H	D! 54031;04,& 1 #S,W#\$Ser 27tremitie.WE	√		
3	0	CO3HA)3S	H2 ?H	D! 54031;0+,& 1 #S,W=oBer 27tremitie.WE	√		

A.1. TID 3FINDING I:4 Fe&\$(C\$r*io(o%+

This is a private test: late referenced by \$ID >/005%

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condi on	Value Set Constrai nt
1		CO3HA)3S	CO3HA)3 21	D! 54031;06,& 1 #S,W!eta' Cardio'og(WE	√		
2	0	CO3HA)3S	H2 ?H	D! 512236;01,& 1 #S,WCardiac Actioit(WE	√		
3	0	CO3HA)3S	H2 ?H	D! 54031;07,& 1 #S,W4C C2A1HWE	√		
4	0	CO3HA)3S	H2 ?H	DH;42000,S3 &3,WAortaWE	√		
+	0	CO3HA)3S	H2 ?H	DH;44000,S3 &3,-u'monar(Arter(E	√		
6	0	CO3HA)3S	H2 ?H	D! 53010;02,& 1 #S,A.cending AortaE	√		
7	0	CO3HA)3S	H2 ?H	D! 53010;01,& 1 #S,WA1CCWE	√		
*	0	CO3HA)3S	H2 ?H	D! 53010;03,& 1 #S,W Decrea.e A1CC WE	√		
6	0	CO3HA)3S	H2 ?H	DH;326+0,S1H,=eft ,entricu'ar Out'ob HractE	√		
1 0	0	CO3HA)3S	H2 ?H	DH;32++0,S1H,light ,entric'e Out'ob HractE	√		

A.2. TID 3FINDING I:44 Fe&\$(9r\$in

This is a private test: late referenced by \$ID >/005%

N	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1	CO3HA)3S	CO3HA)321	D! 54030;01, & 1 #S, W! eta' 4rainWE	√		
2	0	CO3HA)3S	H2 ?H	D! 54030;02, & 1 #S, W=atera', entric'e.WE	√	
3	0	CO3HA)3S	H2 ?H	D11*60;4, =3, W Ci. terna & agnaWE	√	
4	0	CO3HA)3S	H2 ?H	DH; A600A, S3 & 3, W Cere" e" umWE	√	
+	0	CO3HA)3S	H2 ?H	D! 54030;03, & 1 #S, WCS - WE	√	

A."4. TID 3 FINDING IA4 S8ine

This is a private test: late referenced by ID >/005%

N	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1	CO3HA)3S	CO3HA)321	DH; 11+00, S1H, W S\$ineWE	√		
2	0	CO3HA)3S	H2 ?H	DH; 11+01, S3 & 3, W CerOica' S\$ineWE	√	
3	0	CO3HA)3S	H2 ?H	DH; 11+02, S3 & 3, W Hhoracic S\$ineWE	√	
4	0	CO3HA)3S	H2 ?H	DH; 11+03, S3 & 3, W =um"ar S\$ineWE	√	
+	0	CO3HA)3S	H2 ?H	D! 54031;0*, & 1 #S, W Sacra' S\$ineWE	√	

A."A. TID 3 FINDING IB4 Fe&\$ (En. iron, en&

This is a private test: late referenced by ID >/005%

N	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1	CO3HA)3S	CO3HA)321	D! 512016;03, & 1 #S, W! eta' 2n0ironmentWE	√		
2	0	CO3HA)3S	H2 ?H	D! 512011;01, & 1 #S, W - 'acenta' =ocationWE	√	

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
3	0	CO3HA)3S	H2?H	D!512011;02,&1#S,WAmniotic FluidWE	√		
4	0	CO3HA)3S	H2?H	D!512011;03,&1#S,W-acenta'5radeWE	√		

A."B. TID 3 FINDING ID4 M\$tern\$(Des 'ri&ion

This is a private test: late referenced by ID >/005?

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1		CO3HA)3S	CO3HA)3 21	D!560**;01,&1#S,W&aterna' DescriptionWE	√		
2	0	CO3HA)3S	CO3HA)3 21	D!512011;03,&1#S,WAdne7aWE	√		
3	00	CO3HA)3S	H2?H	D5;A100,S3&3,1ightE	√		
4	00	CO3HA)3S	H2?H	D5;A101,S3&3,=eftE	√		
+	0	CO3HA)3S	CO3HA)3 21	DH;*7000,S1H,W0oar(WE	√		
6	00	CO3HA)3S	H2?H	D5;A100,S3&3,1ightE	√		
7	00	CO3HA)3S	H2?H	D5;A101,S3&3,=eftE	√		
*	0	CO3HA)3S	CO3HA)3 21	DH;71000,S1H,Tidne(E	√		
6	00	CO3HA)3S	H2?H	D5;A100,S3&3,1ightE	√		
1	00	CO3HA)3S	H2?H	D5;A101,S3&3,=eftE	√		
1	0	CO3HA)3S	H2?H	D!54031;01,&1#S,W=#SWE	√		
1	0	CO3HA)3S	H2?H	DH;*3200,S1H,Cer0i7E	√		

A."D. TID 3A 44Fe&\$(9io , e&r+ R\$&io Se ' &ion

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
--	--------	-----------------	----	--------------	---------------------	-----------	-------------------------

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	DH D12+001, DC&, L!eta' 4iometr(1atio.ME	√		
2	0	CAS O4S)3C=#D2 CO3H2 ?H		2, D116+1;1, =3, W!etu.)DME	√		
3	0	CAS O4S)3C=#D2 CO3H2 ?H	3#&	2, D11*7*;6,=3, W3um"er of !etu.e.ME	√		
4	0	CO3HA)3S	3#&	11647;6, =3, WCC/ACW	√		
+	0	CO3HA)3S	3#&	11*71;1, =3, W!=/ACW	√		
6	0	CO3HA)3S	3#&	11*72;6, =3, W!=/4 -DW	√		
7	0	CO3HA)3S	3#&	D11*23;2, =3, WCe\$ha'ic)nde7WE	√		
*	0	CO3HA)3S	3#&	D11*73;7, =3, W!=/CCWE	√		
6	0	CO3HA)3S	3#&	DC12004;01, & 1#S, CrtC/HCE	√		
10	0	CO3HA)3S	3#&	DC12004;02, & 1#S, WHCD/ACWE	√		
11	0	CO3HA)3S	3#&	DC12004;03, & 1#S, =, 8/C 8 E	√		
12	0	CO3HA)3S	3#&	DC12004;04, & 1#S, WCe\$ha'ic)nde7 "(CCWE	√		

A.8. TID 3A A4 Fe\$(9io , e&r+ Se'&ion

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	DH D12+002, DC&, M!eta' 4iometr(ME	√		
2	0	CAS O4S H2 ?H CO3H2 ?H		2, D116+1;1,=3,			

4	0	CO3HA)3S)3C=#D2	DH)D D+00*E !eta' 4iometr(5rou\$	√		V4iometr(H(\$e Q &em"erOf YDC)D D12007E !eta' CraniumZ
---	---	----------	---------	--------------------------------------	---	--	---

A.1". TID 3A 84 Fe\$(9io , e&r+ Gro) 8

NL Relation with Value Type Concept Name Used in Condition
Parent MODALITY

		Parent			Modality		Constraint
1			CO3HA)321	DH D12+006, DC&, M4io\$(.ica' -rofi'eME	√		
2	0	CAS O4S CO3H2?H)3C=#D2	2, D116+1;1,=3, W!etu.)DME	√		
3	0	CAS O4S CO3H2?H	3 # &	2, D11*7*;6,=3, W3um"er of !etu.e.ME	√		
4	0	CO3HA)3S	3 # &	2, D11631;6, =3, L5ro.. 4od(&o0ementME	√		#nit. Q DH DLYO>2ZM, #C#&, Mrange O>2ME
+	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		
6	0	CO3HA)3S	3 # &	2, D11632;7, =3, L!eta' 4reathingME	√		#nit. Q DH DLYO>2ZM, #C#&, Mrange O>2ME
7	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		
*	0	CO3HA)3S	3 # &	2, D1163+;0, =3, L!eta' HoneME	√		#nit. Q DH DLYO>2ZM, #C#&, Mrange O>2ME
6	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		
10	0	CO3HA)3S	3 # &	2, D1163+;+, =3, L!eta' Ceart IeactiOit(ME	√		#nit. Q DH DLYO>2ZM, #C#&, Mrange O>2ME
11	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		
12	0	CO3HA)3S	3 # &	2, D11630;1, =3, LAmniotic !'uid , o'umeME	√		#nit. Q DH DLYO>2ZM, #C#&, Mrange O>2ME
13	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		
14	0	CO3HA)3S	3 # &	DH D11634;3, =3,	√		

				L4ioSh(.ica' -rofi'e Sum ScoreME			
1+	00	CAS -1O-21H)2S	H2?H	D121106, DC&, LCommentME	√		

4.1.1.1 TID 3A " 4 A , nio&i' S\$' Se'&ion

	N L	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	DH D121070, DC&, L!inding.ME			
2	0	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, L!inding SiteME			DH DH;!1300, S1H, MAmniotic SacME
3	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q DH D11627;7, =3, LAmniotic !'uid)nde7ME
4	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q D11624;4, =3, L!ir.t : uadrant DiameterME,
+	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q D11626;6, =3, Second : uadrant DiameterME
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q D1162+;1, =3, LHhird : uadrant DiameterME
7	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q D11623;6, =3, W!ourth : uadrant DiameterME
*	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement			V&ea.urement Q D&1200*;01,&1# S, WAmniotic !'uidME

4	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*26;6,=3, M=eft O0ar(8 idthME
+	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*40;6, =3, M=eft O0ar(=engthME
6	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*+7;0 , =3,M =eft O0ar(CeightME
7	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D12164;0, =3, M=eft O0ar(, o'umeME
*	0	CO3HA)3S)3C=#D2	2 , DH;*7000, S1H, MO0ar(ME	√		V5rou\$3ame Q 2 , DH;*7000, S1H, MO0ar(ME
6	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*30;7, =3, M1ight O0ar(8 idthME
10	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*41;4, =3, M1ight O0ar(=engthME
11	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11*+*;*, =3, M1ight O0ar(CeightME
12	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D1216+;7, =3, M1ight O0ar(, o'umeME

A. !B. TID 3A " :4 Fo((i '(es Se'&ion

	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	DH D121070, DC&, L!inding.ME	√		

2	0	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, Linding SiteME	√		DH DH;*7600, S1H, LO0arian !o''ic'eME
3	0	CAS CO3C2-H &OD	COD2	2, D5;C171, S1H, L=atera'it(ME	√		V=atera'it(
4	0	CO3HA)3S	3#&	2, D11*76;4, =3, L3um"er of fo''ic'e. in 'eft o0ar(ME O1 2, D11**0;2, =3, L3um"er of fo''ic'e. in right o0ar(ME 3um"er of fo''ic'e. in the o0ar(.	√		
+	0	CO3HA)3S)3C=#D2	DH)D D+014E !o''ic'e &ea.urement 5rou\$	√		

A.1D. TID 3A "44 Fo((i '(e Me\$s)re , en& Gro)8

	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D12+007, DC&, L&ea.urement 5rou\$ME	√		
2	0	CAS O4S CO3H2?H	H2?H	2, D12+10, DC&, L)dentifierME	√		#niAue among a' grou\$. of .ame 'atera'it(
3	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2, D5;D70+, S1H, L, o'umeME

4	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;02, &1 #S, L!o''ic'e d1ME
+	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;01, =3, L!o''ic'e d2ME
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11764;01, &1 #S, L!o''ic'e d3ME
7	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D11763;7, =3, L!o''ic'e &eanDiamME
*	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D5;D70+;1, &1 #S, L, o'umeME
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;0+ &1 #S, LSmart !o''ic'e d1ME
10	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;06, =3, LSmart !o''ic'e d2ME
11	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;07, &1 #S, LSmart !o''ic'e d3ME
12	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D&11763;04, &1 #S, LSmart !o''ic'e &eanDiamME

A.18. TID 3A "A4 Pe(.is An* U&er)s Se'&ion

N	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1		CO3HA)321	DH D12+011, DC&, L-e'0i. and #teru.ME	√		
2	0	CO3HA)3S	CO3HA)321	V5rou\$3ame	√	V5rou\$3ame Q 2 , DH;*3000, S1H, M#teru.ME

3	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q V 8 idth V 8 idth Q 2 , D11*6+;3,=3,M #teru. 8 idthME
4	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q V=ength V=ength Q 2 , D11*42;2, =3,M #teru. =engthME
+	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q VCeight VCeight Q 2 , D11*6;6, =3,M #teru. CeightME
6	00	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q V , o'ume V , o'ume Q 2 , D33162;6, =3, M#teru. , o'umeME
7	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D=3,11661;0,Cer0i7 =engthE
*	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q 2 , D=3,1214+;6,2ndometriu m Hhic9ne..E
6	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D& 1 #S,&12011;01,Cer0i7 CeightE
1	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D& 1 #S,&12011;02,Cer0i7 8 idthE
1	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D& 1 #S,C12011;03,#teru. 4od(E
1	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D& 1 #S,C12011;04,#H<=/C ?<=E
1	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement	√		V&ea.urement Q D& 1 #S,&12011;03,&atri7 Tindne(=engthE

A.!#. TID 3A !A4 O9-GYN Fe&)s V\$s')(\$r U(&r\$so)n*

Me\$s)re , en& Gro)8

NL

A.1. CID 3:184 E@) \$&ion or T\$0(e

CSD	CV	Code Meaning
DC&	121420	2Auation
DC&	121421	2Auation Citation
DC&	121424	Ha''e of , a'ue.
DC&	121422	Ha''e of , a'ue. Citation
DC&	121423	ðod Citation

A.2. CID 3:444 L\$&er\$(i&+

CSD	CV	Code Meaning
S1H	5:A100	light
S1H	5:A101	=eft
S1H	5:A102	light and 'eft
S1H	5:A103	#ni'atera'

A.3. CID 3:B!D4 Me\$s)re , en& T+8e

CSD	CV	Code Meaning
S1H	1;00221	4e.t 0a'ue
S1H	1;00317	&ean
S1H	1;00316	&edian
S1H	1;00322	&ode
S1H	1;003++	-oint .ource mea.urement
S1H	1;003+3	-ea9 to \$ea9
S1H	1;41D27	, i.ua' e.timation
S1H	1;10260	2.timated
S1H	1;41D2D	Ca'cu'ated
S1H	1;41D41	&ea.ured

A.4. CID 3"! A4 Fe&\$(9io , e&r+ Me\$s)re , en&s

CSD	CV	Code Meaning
=3	11676;2	A''domina' Circumference
=3	11*1*;2	Anterior;-o.terior A''domina' Diameter
=3	11*16;0	Anterior;-o.terior Hrun9 Diameter

CSD	CV	Code Meaning
=3	11*20;*	4iSarieta' Diameter
=3	11*60;4	Ci.terna &agna
=3	11663;6	!emur =ength
=3	1166+;1	!oot 'ength
=3	116*4;2	Cead Circumference
=3	11*+1;3	OcciSita';!ronta' Diameter
=3	116**;3	Hhoracic Circumference
=3	3306*;*	Hhoracic Area
=3	11*62;0	HranOer.e A"domina' Diameter
=3	11*63;*	Hran. Cere"e"ar Diameter
=3	11*64;6	Hran.Oer.e Hhoracic Diameter
=3	33161;*	A-AD @ HAD
& 1 #S	&1200+;04	!acia' ang'e
& 1 #S	&1200+;0+	!eta' Tidne('ength
& 1 #S	&1200+;01	Hhoracic Diameter
& 1 #S	&1200+;02	Ceart Circumference
& 1 #S	&12011;01	- 'acenta' Hhic9ne..
& 1 #S	&1200+;03	Ceart Area

A.:A. CID 3"! B4 Fe\$(Lon% 9ones Me\$(s) re , en&s

CSD	CV	Code Meaning
=3	11666;6	Cumeru. 'ength
=3	11667;7	!adiu. 'ength
=3	11666;3	#'na 'ength
=3	1166*;+	Hi"ia 'ength
=3	11664;4	!i"u'a 'ength
=3	11662;*	C'a0ic'e 'ength
=3	11663;6	!emur =ength

A.:B. CID 3"! D4 Fe\$(Cr\$(ni) ,

CSD	CV	Code Meaning
-----	----	--------------

CSD	CV	Code Meaning
=3	12171;+	Internal Diameter
=3	11*60;4	Cervical Length
=3	12146;7	3rd Trimester ...
=3	33070;4	Inner Orbits Diameter
=3	11626;3	Outer Orbits Diameter
=3	11*63;*	Hran. Cervical Diameter
=3	33066;6	3rd Trimester ...
=3	12170;7	8th of Cervical ...
& 1 #S	& 12007;01	2nd Length
& 1 #S	& 12007;02	3rd Length
& 1 #S	& 12007;03	Orbit
& 1 #S	& 12007;04	ODCC
& 1 #S	C12007;01	CCc

A. :D. CID 3"! #4 E\$(+ Gestation 9io , e\$(+ Me\$(s) re , en&s

CSD	CV	Code Meaning
=3	116+7;*	CroBn lum\$ =length
=3	11*+0;+	5e.tationa' Sac Diameter
=3	33071;2	S\$ine =length
=3	11*16;6	/o'9 Sac 'length
=3	33066;6	3 ucha' Hran.'ucenc(
& 1 #S	C12006;01	&ean 5e.tationa' Sac Diameter
& 1 #S	& 12006;01	5e.tationa' Sac Diameter1
& 1 #S	& 12006;02	5e.tationa' Sac Diameter2
& 1 #S	& 12006;03	5e.tationa' Sac Diameter3

A. :8. CID 3"! " :4 Gestation\$(A%e E@)\$&ions \$n* T\$(es

CSD	CV	Code Meaning
=3	11**+;1	5e.tationa' Age "(=& -
=3	11*62;7	AC, Cad'oc9 16*4
=3	11*63;+	AC, Jeant(16*4
=3	3314*;*	AC "(5 A, &erK 16**
=3	11602;4	4 -D, Cad'oc9 16*4

CSD	CV	Code Meaning
=3	11603;2	4 - D, Can.mann 16*+
=3	1160+;7	4 - D, Jeant(16*4
=3	330*2;6	4 - D, O.a9a 16*6
=3	330*3;7	4 - D, 1em\$en 1661
=3	11606;+	4 - D, TurtK 16*0
=3	330**;6	C'a0ica' 'length, / ar9oni 16*+
=3	11610;7	C1 =, Cad'oc9 1662
=3	11611;+	C1 =, Can.mann 16*+
=3	11617;2	C1 =, Jeant(16*4
=3	11613;1	C1 =, 3e'.on 16*1
=3	33064;4	C1 =, 1em\$en 1661
=3	11614;6	C1 =, 1o" in.on 167+
=3	3313*;6	!eta' Hrun9 Cro...;Sectiona' Area, O.a9a 16*6
=3	11620;6	! =, Cad'oc9 16*4
=3	11622;2	! =, Coh'er 16*2
=3	11623;0	! =, Jeant(16*4
=3	11626;7	5S, 1em\$en 1661
=3	11632;1	CC, Cad'oc9 16*4
=3	33112;4	CC, Can.mann 16*+
=3	11634;7	CC, Jeant(16*4
=3	33111;6	CC deri0ed, Chitt(1667
=3	11636;2	Cumeru., Jeant(16*4
=3	33+44;*	O!D, Can.mann 16*+
=3	33134;*	HCD, Ci'' 1660
& 1 #S	!12013;+6	&SD, Ce'man1666
& 1 #S	!12013;01	AC, AS# & 2001
& 1 #S	!12013;02	AC, 3ico'aide. 1664
& 1 #S	!12013;03	4 - D, AS# & 2001
& 1 #S	!12013;04	4 - D, &erK 1661
& 1 #S	!12013;0+	4 - D, Ho9(o 16*6
& 1 #S	!12013;06	4 - D;oo, Chitt(1664
& 1 #S	!12013;07	C1 =, AS# & 2001
& 1 #S	!12013;0*	C1 =, Ho9(o 16*6
& 1 #S	!12013;24	2! 8, Ho9(o 16*6
& 1 #S	!12013;06	! =, AS# & 2001

CSD	CV	Code Meaning
& 1 #S	!12013;10	! =, Chitt(1667
& 1 #S	!12013;12	! =, &erK 1661
& 1 #S	!12013;13	! =, Ho9(o 16*6
& 1 #S	!12013;14	! =, 8 arda,16*+
& 1 #S	!12013;1+	5S, Ho9(o 16*6
& 1 #S	!12013;17	CC deri0ed, Chitt(1664
& 1 #S	!12013;16	CC, AS# & 2001
& 1 #S	!12013;1*	CC,3ico'aide. 1664
& 1 #S	!12013;16	Cumeru. =ength, AS# & 2001
& 1 #S	!12013;20	O!D, AS# & 2001
& 1 #S	!12013;21	O!D,3ico'aide. 1664
& 1 #S	!12013;22	OOD, Jeant(16*4
& 1 #S	!12013;23	HCD,3ico'aide. 1664
& 1 #S	!12013;24	HCD,Can.mann 16*+
& 1 #S	!12013;2+	5S, Can.mann 16*+
& 1 #S	!12013;26	! =, Can.mann 166+
& 1 #S	!12013;43	2! 8 , Cad'oc9 1661
& 1 #S	!12013;44	&ean Sac Diameter Da(a 1661
& 1 #S	!12013;4+	5S,China 1667
& 1 #S	!12013;46	C1 =,China 1667
& 1 #S	!12013;47	4 -D,China 1667
& 1 #S	!12013;4*	4 -D,3ico'aide. 1664
& 1 #S	!12013;46	! =,China 1667
& 1 #S	!12013;+0	! =,3ico'aide. 1664
& 1 #S	!12013;+2	AC,Can.mann16*6
& 1 #S	!12013;+3	AC,C!2! CreAuat2000
& 1 #S	!12013;+4	AC,Chitt(\$'otted 1664
& 1 #S	!12013;++	C1 =,1o" in.on h\$ 4 & #S 167+
& 1 #S	!1201+;22	! =,O.a9a 16*6

A.:#. CID 3"! "44 Fe&\$ (9o* + 1 ei%=&

CSD	CV	Code Meaning
=3	11736;0	2! 8 "(AC and 4 -D, She\$ard 16*2

CSD	CV	Code Meaning
=3	117+6;4	2! 8 "(AC, Cam\$ "e" 167+
=3	33144;7	2! 8 "(4 -D, A -AD, HAD, !=, Ho9(o 16*7
=3	1173+;*	2! 8 "(AC, 4 -D, !=, Cad'oc9 16*+
=3	11732;+	2! 8 "(AC, 4 -D, !=, CC, Cad'oc9 16*+
=3	117+1;+	2! 8 "(AC, !=, Cad'oc9 16*+
=3	11746;+	2! 8 "(AC, !=, CC, Cad'oc9 16*+
=3	11**4;4	A0erage # 'tra.ound Age
& 1 #S	!12013;27	C#A "(4 -D, Cad'oc9 16*4
& 1 #S	!12013;2*	C#A "(AC, Cad'oc9 16*4
& 1 #S	!12013;26	C#A "(CC, Cad'oc9 16*4
& 1 #S	!12013;30	C#A "(!=, Cad'oc9 16*4
& 1 #S	!12013;31	C#A "(4 -D, CC, Cad'oc9 16*4
& 1 #S	!12013;32	C#A "(4 -D, AC, Cad'oc9 16*4
& 1 #S	!12013;33	C#A "(4 -D, !=, Cad'oc9 16*4
& 1 #S	!12013;34	C#A "(CC, AC, Cad'oc9 16*4
& 1 #S	!12013;3+	C#A "(CC, !=, Cad'oc9 16*4
& 1 #S	!12013;36	C#A "(AC, !=, Cad'oc9 16*4
& 1 #S	!12013;37	C#A "(4 -D, CC, AC, Cad'oc9 16*4
& 1 #S	!12013;3*	C#A "(4 -D, CC, !=, Cad'oc9 16*4
& 1 #S	!12013;36	C#A "(4 -D, AC, !=, Cad'oc9 16*4
& 1 #S	!12013;40	C#A "(CC, AC, !=, Cad'oc9 16*4
& 1 #S	!12013;41	C#A "(4 -D, CC, AC, !=, Cad'oc9 16*4
& 1 #S	!12014;01	2! 8 "(AC,4 -D,&erK 1661
& 1 #S	!12014;02	2! 8 "(AC,&erK 1661
& 1 #S	!12014;03	2! 8 "(4 -D, HHD, Can.mann 166+
& 1 #S	!12014;04	2! 8 "(4 -D, !HA, !=, O.a9a 16*3

A.4 . CID 3"! "A4 Fe&\$(Gro / &= E@) \$&ions \$n* T\$0(es

CSD	CV	Code Meaning
=3	33146;2	AC "(5 A, Cad'oc9 16*4
=3	33+46;3	AC Dderi0edE "(5 A, Chitt(1664
=3	3316*;3	4 -D "(5 A, Cad'oc9 16*4
=3	331+2;0	outer;outer "(5 A, Chitt(1664
=3	331++;3	4 -D "(5 A, 1em\$en 1661

CSD	CV	Code Meaning
=3	33160;3	C1= "(5 A, 1emSen1661
=3	33166;0	!= "(5 A, Cad'oc9 16*4
=3	33167;*	!= "(5 A, Chitt(1664
=3	33171;0	5S "(5 A, 1emSen 1661
=3	33173;6	CC "(5 A, Cad'oc9 16*4
=3	33174;4	CC deri0ed "(5 A, Chitt(1664
=3	331*1;6	HCD "(5 A 5o'd.tein 16*7
=3	33067;7	!i"u'a, Jeant(16*3
=3	33126;4	!adiu., Jeant(16*3
& 1 #S	!1201+;01	AC "(5 A, AS# & 2001
& 1 #S	!1201+;02	AC "(5 A, &erK 1661
& 1 #S	!1201+;03	AC, Jeant(16*4
& 1 #S	!1201+;04	A - AD,&erK 1661
& 1 #S	!1201+;0+	4 - D "(5 A, AS# & 2001
& 1 #S	!1201+;06	4 - D, Can.mann 16*+
& 1 #S	!1201+;07	4 - D "(5 A, &erK 16**
& 1 #S	!1201+;0*	4 - D,TurtK,16*0
& 1 #S	!1201+;06	4 - D,Sa""'a'gha 167*
& 1 #S	!1201+;10	4 - D, Ho9(o 16*6
& 1 #S	!1201+;12	C'a0ica' 'ength, / ar9oni 16*+
& 1 #S	!1201+;13	C1= "(5 A AS# & 2001
& 1 #S	!1201+;14	C1=, Can.mann 16*+
& 1 #S	!1201+;1+	C1=, 1o" in.on 167+
& 1 #S	!1201+;16	C1=, Ho9(o 16*6
& 1 #S	!1201+;17	2! 8 "(5 A, Cad'oc9 16*4
& 1 #S	!1201+;1*	!= "(5 A, AS# & 2001
& 1 #S	!1201+;16	!=, Can.mann 166+
& 1 #S	!1201+;20	!= "(5 A, &erK 1661
& 1 #S	!1201+;21	!=, Ol4rien,16*1
& 1 #S	!1201+;22	!=, O.a9a 16*6
& 1 #S	!1201+;23	!=, Ho9(o, 16*6
& 1 #S	!1201+;24	!=, 8 arda,16*+
& 1 #S	!1201+;2+	!)4,&erK,1661
& 1 #S	!1201+;26	!HA, O.a9a 16*6
& 1 #S	!1201+;27	CC "(5 A, AS# & 2001

=3	12023;*	Iteration
=3	12144;2	Systolic to Diastolic Ratio
&1#S	&12116;04	Dia. to S. Ratio
&1#S	C12121;1	Systolic to Atrial Contraction Ratio
&1#S	C12120;1	Diastolic Ratio
&1#S	C12121;2	Diastolic Index for the

A.44. CID 3!"!!4 O=er V\$s')(\$r Pro8er&ies

CSD	CV	Code Meaning
=3	2016*;1	Acceleration Time
=3	20217;6	Deceleration Time
S1H	1;102+C	Septal Diameter
=3	20247;3	5 radient
=3	202+6;4	&ean 5 radient
=3	203+4;7	, e'ocit(Hime)ntegra'
=3	1164*;7	!eta' Ceart late
=3	**67;4	Ceart rate
&1#S	&12116;02	Angle
&1#S	&12116;01	&ean , e'ocit(&ean -re..ure 5 radient
&1#S	&12116;06	, o' !'oBDHA&A ? U , AS<A 1 2AE
&1#S	&12116;07	, o' !'oBDHA&2A 3 U , AS<A 1 2AE
S1H	5;0366	, e..e' 'umen cro...ectiona' area

A.4A. CID 3!"!4 4 Pe(.i' V\$s')(\$&)re An&o , i'\$(Lo'\$&ion

CSD	CV	Code Meaning
S1H	H;466*0	Ovarian Arter(
S1H	H;46*20	#terine Arter(

A.4B. CID 3!"!4"4 Fe&\$(V\$s')(\$&)re An&o , i'\$(Lo'\$&ion

CSD	CV	Code Meaning
S1H	H;42000	Aorta
S1H	H;D076+	De.cending Aorta
S1H	H;42100	A.cending Aorta
S1H	H;326+0	=eft , entricu'ar Outf'oB Hract
	H;32++0	1 ight , entric'e Outf'oB Hract

S1H	H;4+600	– Ascending Aortic Diameter
– S	, 12141;01	Ductus, anastomosis.
S1H	H;!1*10	#m"i'ica' Arter(
S1H	H;!1*20	#m"i'ica' , ein
S1H	H;!1412	, ite''ine Arter(of - 'acenta

A.4D. CID 3SELCID-"4 Fe&\$(H-S' ore

CSD	CV	Code Meaning
=3	1*01+;*	Aortic Root Diameter
=3	1*012;+	Ascending Aortic Diameter
=3	1*013;3	Descending Aortic Diameter
=3	1*016;0	Left Coronary Artery Diameter
=3	1*021;6	Right Coronary Artery Diameter
=3	1*020;*	Left Coronary Artery Diameter
=3	1*1+4;+	Intertricusular Septum Diameter
=3	1*1+*;6	Intertricusular Septum S(Diameter
– S	– 1*01+;*	Aortic Root Diameter R Score
– S	– 1*020;*	Left Coronary Artery Diameter R Score
– S	C12201;06	Left, tricusular Diameter/ Right, tricusular Diameter
– S	C12201;07	Left, tricusular Diameter/ Right, tricusular Diameter R Score
– S	C1220+;03	Left Atrium Diameter / Right Atrium Diameter
– S	C1220+;04	Left Atrium Diameter / Aorta Diameter
– S	C1220+;0+	Left Atrium Diameter / Aorta Diameter R Score
– S	C12212;01	Aorta Diameter/Left Coronary Artery Diameter
– S	C12212;03	Aorta Diameter/Left Coronary Artery Diameter R Score
– S	– 12201;01	Left tricusular short-axis diameter at end dia.to'e
– S	– 12201;0*	Left tricusular short-axis diameter at end dia.to'e R Score
– S	– 12201;02	Left tricusular short-axis diameter at end (.to'e
– S	– 12201;03	Left tricusular Diameter
– S	– 12201;06	Left tricusular Diameter R Score
– S	– 12201;04	Intertricusular septal thickness
– S	– 12201;0+	Left, tricusular Outflow Tract Diameter
– S	– 12204;01	Right tricusular short-axis diameter at end dia.to'e
– S	– 12204;07	Right tricusular short-axis diameter at end dia.to'e R Score
– S	– 12204;02	Right tricusular short-axis diameter at end (.to'e

&1#S	&12204;03	Right Ventricular Diameter
&1#S	&12204;0*	Right Ventricular Diameter DR Score
&1#S	&12204;06	Right Ventricular area DR Score
&1#S	&12204;04	Right Ventricular area
&1#S	&12206;01	Right Atrium Diameter
&1#S	&12204;0+	Right Ventricular Outflow Tract Diameter
&1#S	&1220+;01	Left Atrium Diameter
&1#S	&1220+;02	Left Atrium area
&1#S	&12206;02	Right Atrium area

! =	11663;6,=3, !emur =ength
CC	116*4;2,=3,Cead Circumference
O!D	11*+1;3,=3,Occi\$ita'; !ronta' Diameter
A - AD	11*1*;2,=3, Anterior; -o. terior A"domina' Diameter
HC	116**;3,=3, Hhoracic Circumference
HAD	11*62;0,=3, Hran0er. e A"domina' Diameter
HHH	11*64;6,=3, Hran.0er. e Hhoracic Diameter
A - HD	11*16;0,=3, Anterior; -o. terior Hrun9 Diameter
!HA	3306*;*,=3, Hhoracic Area
HCD	11*63;*,=3, Hran. Cere"e"ar Diameter
!oot	1166+;1,=3, !oot 'ength
Ci. t & agna	11*60;4,=3, Ci. terna & agna
A ?H	33161;*,=3, A - AD @ HAD
!;9idne(& 1200+;0+, & 1 #S, !eta' Tidne('ength
HCD	& 1200+;01, & 1 #S, Hhoracic Diameter
CrtC	& 1200+;02, & 1 #S, Ceart Circumference
C#&	11666;6,=3, Cumeru. 'ength
!AD	11667;7,=3, !adiu. 'ength
#'na	11666;3,=3, #'na 'ength
Hi"ia	1166*;+,=3, Hi"ia 'ength
!)4	11664;4,=3, !i"u'a 'ength
C=A ,	11662;*,=3, C'a0ic'e 'ength
= . 8	12171;+,=3, =atera' , entrica' Bidth
3 !	12146;7,=3, 3 ucha' !o'd thic9ne..
)OD	33070;4,=3,)nner Or"ita' Diameter
OOD	11626;3,=3, Outer Or"ita' Diameter
HCD	11*63;*,=3, Hran. Cere"e"ar Diameter
3H	33066;6,=3, 3 ucha' Hran. 'ucenc(
C 8	12170;7,=3, 8 idth of Cemi. \$here
2ar	& 12007;01, & 1 #S, 2ar =ength
& -	& 12007;02, & 1 #S, & idd'e -ha'an7 =ength
Or"it	& 12007;03, & 1 #S, Or"it
O!D)CCE	& 12007;04, & 1 #S, O!DCC
CC)Cē	C12007;01, & 1 #S, CCc

A!1	11624;4,=3,First : quadrant Diameter
A!2	11626;6,=3,Second : quadrant Diameter
A!3	1162+;1,=3,Third : quadrant Diameter
A!4	11623;6,=3,Fourth : quadrant Diameter
A!	&1200*;01,&1#S,Amniotic Fluid
C1=	116+7;*,=3,Crown Length
5S	11*+0;+,=3,5e.tationa' Sac Diameter
,erte"rae	33071;2,=3,SSine Length
/S	11*16;6,=3,/o'9 Sac Length
3H	33066;6,=3,3ucha' Hran.'ucenc(
&ean Sac Diam	C12006;01,&1#S,&ean 5e.tationa' Sac Diameter
Cer0i7 =	11661;0,=3,Cer0i7 Length
Cer0i7 =	11661;0,=3,Cer0i7 Length
2ndo	1214+;6,=3,2ndometrium Hhic9ne..
Cer0i7 C	&12011;01,&1#S,Cer0i7 Ceight
Cer0i7 8	&12011;02,&1#S,Cer0i7 8 idth
#teru. 4od(C12011;03,&1#S,#teru. 4od(
#H;=C?;=	C12011;04,&1#S,#H<=C?<=
&at Tidne(&12011;03,&1#S,&atri7 Tindne(Length
A!)	11627;7,=3,Amniotic Fluid Index
O0ar(8	11*26;6,=3,=eft O0ar(8 idth 11*30;7,=3, 1 ight O0ar(8 idth
O0ar(=	11*40;6,=3,=eft O0ar(Length 11*41;4,=3, 1 ight O0ar(Length
O0ar(C	11*+7;0,=3,=eft O0ar(Ceight 11*+*;*,=3, 1 ight O0ar(Ceight
O0ar(, o'	12164;0,=3,=eft O0ar(, o'ume 1216+;7,=3, 1 ight O0ar(, o'ume
!o''ic'e =	&11763;02, &1#S, !o''ic'e Length
#H 8	11*6+;3,=3,#teru. 8 idth
#H =	11*42;2,=3,#teru. Length
#H C	11*+6;6,=3,#teru. Ceight
#H , o'	33162;6,=3,#teru. , o'ume
!o''ic'e 8	&11763;01,&1#S,!o''ic'e 8 idth
!o''ic'e1 Hhic9	&11764;01,&1#S,!o''ic'e Hhic9ne..
!o''ic'e , o'	5;D70+,S1H, , o'ume
!o''ic'e Diam	11763;7,=3,!o''ic'e Diameter
2! 8 1	11727;+,=3,2.timated 8 eight

2! 8 2	11727;+,=3,2.timated 8 eight
C-	11767;1,=3 2! 8 \$ercenti'e ran9
#-	11767;1,=3 2! 8 \$ercenti'e ran9
C-	11767;1,=3 2! 8 \$ercenti'e ran9
#-	11767;1,=3 2! 8 \$ercenti'e ran9
2! 8 DCam\$'e'E	11727;+,=3,2.timated 8 eight
2! 8 DCad'oc91E	11727;+,=3,2.timated 8 eight
2! 8 DCad'oc92E	11727;+,=3,2.timated 8 eight
2! 8 DCad'oc93E	11727;+,=3,2.timated 8 eight
2! 8 DCad'oc94E	11727;+,=3,2.timated 8 eight
2! 8 DCan.mannE	11727;+,=3,2.timated 8 eight
2! 8 D&erK1E	11727;+,=3,2.timated 8 eight
2! 8 D&erK2E	11727;+,=3,2.timated 8 eight
2! 8 DO.a9aE	11727;+,=3,2.timated 8 eight
2! 8 DShe\$ardE	11727;+,=3,2.timated 8 eight
2! 8 DHo9(oE	11727;+,=3,2.timated 8 eight
- = Hhic9ne..	&12011;01,&1 #S,- 'acenta' Hhic9ne..
CrtA	&1200+;03,&1 #S,Ceart Area
'acia' ang'e	&1200+;04,&1 #S,'acia' ang'e
Sac Diam1	&12006;01,&1 #S,5e.tationa' Sac Diameter1
Sac Diam2	&12006;02,&1 #S,5e.tationa' Sac Diameter2
Sac Diam3	&12006;03,&1 #S,5e.tationa' Sac Diameter3

A.48.!. V's')(\$&)re An\$&o , i' Lo'\$&ion

O0arian A	H;466*0, S1H, O0arian Arter(
#t A	H;46*20, S1H, #terine Arter(
!eta' Ao	H;42000, S1H, Aorta
De.c Aorta	H;D076+, S1H, De.cending Aorta
A.c Aorta	H;42100,S1H,A.cending Aorta
l , OH	H;32++0,S1H, l ight 0entric'e outf'oB tract
= , OH	H;326+0,S1H,=eft 0entric'e outf'oB tract
&CA	H;4+600, S1H, &idd'e Cere"ra' Arter(
Duct , eno	, 12141;01, &1 #S, Ductu. , eno

#m" A	H;!1*10, S1H, #m"i'ica' Arter(
#m" ,	H;!1*20, S1H, #m"i'ica' , ein
- 'acenta A	H;!1412, S1H, , ite'ine Arter(of - 'acenta

A.48.:. O9-GYN VS ')(\$r Me\$s)re , en&s

[, a.cu'ature Anatomic =ocation0 2D	116+3;3, =3, 2nd Dia.to'ic , e'ocit(
[, a.cu'ature Anatomic =ocation0 &D	1166+;7 , =3, &inimum Dia.to'ic , e'ocit(
[, a.cu'ature Anatomic =ocation0 -S	11726;7, =3, -ea9 S(.to'ic , e'ocit(
[, a.cu'ature Anatomic =ocation0 HA&2A3	203+2;1, =3, Hime a0eraged mean 0e'ocit(
[, a.cu'ature Anatomic =ocation0 HA&A?	11662;1, =3, Hime a0eraged \$ea9 0e'ocit(
[, a.cu'ature Anatomic =ocation0 - ,	11726;7, =3, -ea9 , e'ocit(
[, a.cu'ature Anatomic =ocation0 -)	1200*;6, =3, -u'.ati'it()nde7
[, a.cu'ature Anatomic =ocation0 1)	12023*; , =3, 1e.i.ti0it()nde7
[, a.cu'ature Anatomic =ocation0 S/D	12144;2, =3, S(.to'ic to Dia.to'ic , e'ocit(latio
[, a.cu'ature Anatomic =ocation0 D/S	&12116;04, &1#S, Dia.to'ic to S(.to'ic, e'ocit(latio
[, a.cu'ature Anatomic =ocation0 AH	2016*;1, =3, Acce'eration Hime
[, a.cu'ature Anatomic =ocation0 DH	20217;6, =3, Dece'eration Hime

[R.Score.0- , .Diam	&12206;1,&1 #S,-u'monar(, a'0e Diameter)R ScoreE
[R.Score.0) , C.Diam	&1221+;1,&1 #S,)nferior , ene Ca0a Diameter)R ScoreE
&- A Diam	&ain -u'monar(Arter(Diameter
[R.Score.0 & - A Diam	&1*020;*,&1 #S,&ain -u'monar(Arter(Diameter)R ScoreE
= - A.Diam	1*016;0,=3,=eft -u'monar(Arter(Diameter
1 - A.Diam	1*021;6,=3,1ight -u'monar(Arter(Diameter
[R.Score.0Duct.Art	&12212;1,&1 #S,Duct Aorta Diameter)R ScoreE
[R.Score.0H , .Diam	&1220*;1,&1 #S,Hricu.\$id , a'0e Diameter)R ScoreE
[R.Score.0& , .Diam	&12207;1,&1 #S,&itra' , a'0e Diameter)R ScoreE
) , Sd	1*1+4;+, =3,)nter0entricu'ar Se\$tum Dia.to'ic Hhic9ne..
) , S.	1*1+*;6, =3,)nter0entricu'ar Se\$tum S(.to'ic Hhic9ne..
= , D/1 , D	C12201;06,&1 #S,=eft , entricu'ar Diameter/1ight , entricu'ar Diameter
[R.Score.0 = , D/1 , D	C12201;07,&1 #S,=eft , entricu'ar Diameter/1ight , entricu'ar Diameter)R ScoreE
=AD/1 AD	C1220+;03,&1 #S,=eft Atrium Diameter / 1ight Atrium Diameter
=AD/AoD	C1220+;04,&1 #S,=eft Atrium Diameter / Aorta Diameter
[R.Score.0 =AD/AoD	C1220+;0+,&1 #S,=eft Atrium Diameter / Aorta Diameter)R ScoreE
AoD/&- AD	C12212;01,&1 #S,Aorta Diameter/&ain -u'monar(Arter(Diameter
[R.Score.0 AoD/&- AD	C12212;03,&1 #S,Aorta Diameter/&ain -u'monar(Arter(Diameter)R ScoreE
= ,)Dd	&12201;01,&1 #S,=eft 0entricu'ar .hort;a7i. diameter at end dia.to'e
[R.Score.0 = ,)Dd	&12201;0*,&1 #S,=eft 0entricu'ar .hort;a7i. diameter at end dia.to'e)R ScoreE
= ,)D.	&12201;02,&1 #S,=eft 0entricu'ar .hort;a7i. diameter at end .(.to'e
= , Diam	&12201;03,&1 #S,=eft 0entricu'ar Diameter
[R.Score.0 = , Diam	&12201;06,&1 #S,=eft 0entricu'ar Diameter)R ScoreE
) , S	&12201;04,&1 #S,inter0entricu'ar .eSta' thichne..
= , OH Diam	&12201;0+,&1 #S,=eft , entricu'ar Outf'oB Hract Diameter
1 ,)Dd	&12204;01,&1 #S,1ight 0entricu'ar .hort;a7i. diameter at end dia.to'e
[R.Score.0 1 ,)Dd	&12204;07,&1 #S,1ight 0entricu'ar .hort;a7i. diameter at end dia.to'e)R ScoreE
1 ,)D.	&12204;02,&1 #S,1ight 0entricu'ar .hort;a7i. diameter at end .(.to'e
1 , Diam	&12204;03,&1 #S,1ight 0entricu'ar Diameter
[R.Score.0 1 , Diam	&12204;0*,&1 #S,1ight 0entricu'ar Diameter)R ScoreE
1 A Diam	&12206;01,&1 #S,1ight Atrium Diameter
1 , Area	&12204;04,&1 #S,1ight 0entricu'ar area
[R.Score.0 1 , Area	&12204;06,&1 #S,1ight 0entricu'ar area)R ScoreE
1 , OH Diam	&12204;0+,&1 #S,1ight , entricu'ar Outf'oB Hract Diameter
=A Diam	&1220+;01,&1 #S,=eft Atrium Diameter
=A Area	&1220+;02,&1 #S,=eft Atrium area
1 A Area	&12206;02,&1 #S,1ight Atrium area
= , Area	&12240;01,&1 #S,=eft 0entricu'ar area
[R.Score.0 = , Area	&12240;02,&1 #S,=eft 0entricu'ar area)R ScoreE
RScore !=	C12017;1,&1 #S,R;Score "(!emur =ength
RScore4 -D	C12017;2,&1 #S,R;Score "(4ieentricu'ar

A.48.A. 9io8=+si'\$(Pro-i(e Me\$s) re , en&s

!&	11631;6,=3,5ro.. 4od(&o0ement
!4 &	11632;7,=3,!eta' 4reathing
!H	1163+;0,=3,!eta' Hone
!C 1	1163+;+,=3,!eta' Ceart 1eacti0it(
A!	11630;1,=3,Amniotic !'uid , o'ume
Hota' Score	11634;3,=3,4io\$(.ica' -rofi'e Sum Score
!eta' =ie	! 51201*;02,& 1 #S,!eta' =ie
5ender	! 574++;01,& 1 #S,5ender
3 ,e..e' Cord	! 57160;01,& 1 #S,3 ,e..e' Cord
!ace	H;D1200,S3 &3,!ace
3o.e =i\$.	! 54;01,& 1 #S,3o.e =i\$.
Cord in.ertion	! 512011;01,& 1 #S,Cord in.ertion
=#S	! 54031;02,& 1 #S,=#S
Stomach	H;+7000,S3 &3,Stomach
=eft Tidne(H;71000,S1H,Tidne(
1ight Tidne(H;71000,S1H,Tidne(
4'adder	H;74000,S1H,4'adder
5a' 4'adder	H;63000,S1H,5a' "'adder
=i0er	H;62000,S1H,=i0er
!eta' 4oBe'	! 54031;03,& 1 #S,!eta' 4oBe'
#\$Ser 27tremitie.	! 54031;0+,& 1 #S,#\$Ser 27tremitie.
=oBer 27tremitie.	! 54031;06,& 1 #S,=oBer 27tremitie.
Cardiac Acti0it(! 512236;01,& 1 #S,Cardiac Acti0it(
4C C2A1H	! 54031;0*,& 1 #S,4C C2A1H
Aorta	H;42000,S3 &3,Aorta
-u'monar(Arter(H;44000,S3 &3,-u'monar(Arter(
A1CC	! 53010;01,& 1 #S,A1CC
=, OH	H;326+0,S1H,=eft ,entricu'ar Outf'oB Hract
1 ,OH	H;32+0,S1H,1ight ,entric'e Outf'oB Hract
=atera' ,entric'e.	! 54030;02,& 1 #S,=atera' ,entric'e.
Ci.terna &agna	11*60;4,=3,Ci.terna &agna
Cere"e"um	H;A600A,S3 &3,Cere"e"um
CS-	! 54030;03,& 1 #S,CS-
Cer0ica' S\$ine	H;11+01,S3 &3,Cer0ica' S\$ine
Hhoracic S\$ine	H;11+02,S3 &3,Hhoracic S\$ine
=um"ar S\$ine	H;11+03,S3 &3,=um"ar S\$ine
Sacra' S\$ine	! 54031;,& 1 #S,Sacra' S\$ine
- 'acenta' =ocation	! 512011;01,& 1 #S,- 'acenta' =ocation
Amniotic !'uid	! 512011;02,& 1 #S,Amniotic !'uid
- 'acenta' 5rade	! 512011;03,& 1 #S,- 'acenta' 5rade

Adne7a	! 5 12011;03,& 1 #S,Adne7a
O0arie.	H;*7000,S 1 H,O0ar(
Tidne(H;71000,S 1 H,Tidne(
Cer0i7	H;*3200,S 1 H,Cer0i7

4. A Structured Reporting Template

This section lists the DICOM Structured Reporting templates used in the

"Cardiac Structured Reporting" system SR files.

The templates are organized in a manner similar to the DICOM SR templates as described in DICOM Standard. The "Cardiac Reporting" templates; the DICOM SR template ID /200F "Cardiac Reporting", related Reporting Elements; here noted.

All private elements use the "DICOM Secondary RMR=SR"

9. DICOM SR Templates for Prostate Referred

This section lists the templates for a content tree that all systems described the results of an additional grading imaging related.

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D12+200, DC&, LAdu't 2chocardiogra\$(-rocedure 1eSortME			
2	0	CAS CO3C2-H &OD)3C=#D2	DH)D D1204E =anguage of Content)tem and De.cendant.			
3	0	CAS O4S CO3H2 ?H)3C=#D2	DH)D D1001E O".erOation Conte7t			
4	0	CO3HA)3S)3C=#D2	DH)D D+201E 2chocardiogra\$(-atient Characteri.tic.			
+	0	CO3HA)3S	CO3HA)321	D11102*, DC&, L)mage =i"rar(ME			
6	00	CO3HA)3S)&A52	3o \$ur\$o.e of reference			
7	0	CO3HA)3S)3C=#D2	DH)D)S2=!H2&;2E2cho -rocedure Summar(Section			
*	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2, DH;32600, S1H, L=eft ,entric'eME V&ea.H(\$e Q DC)D D12200E

							2chocardiogra\$h(=eft ,entric'e
6	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;32+00, S1H, L1ight ,entric'eME V&ea.H(\$e Q DC)D D12204E 2chocardiogra\$h(1ight ,entric'e
10	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;32300, S1H, L=eft AtriumME V&ea.H(\$e Q DC)D D1220+E 2chocardiogra\$h(=eft Atrium
11	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;32200, S1H, L1ight AtriumME V&ea.H(\$e Q DC)D D12206E 2chocardiogra\$h(1ight Atrium
12	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;3+400, S1H, LAortic ,a'0eME V&ea.H(\$e Q DC)D D12211E 2chocardiogra\$h(Aortic ,a'0e
13	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;3+300, S1H, L&itra' ,a'0eME V&ea.H(\$e Q DC)D D12207E 2chocardiogra\$h(&itra' ,a'0e
14	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q2 , DH;3+200, S1H, L-u'monic ,a'0eME V&ea.H(\$e Q DC)D D12206E 2chocardiogra\$h(

							-u'monic , a'oe
1+	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , DH;3+100, S1H, LHricu.\$id , a'oeME V&ea.H(\$e Q DC)D D1220*E 2chocardiogra\$h(Hricu.\$id , a'oe
16	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , DH;42000, S1H, LAortaME V&ea.H(\$eQ DC)D D12212E 2chocardiogra\$h(Aorta
17	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , DH;44000, S1H, L-u'monar(arter(ME V&ea.H(\$e DC)D D12210E Q 2chocardiogra\$h(-u'monar(Arter(
1*	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , DH;4*600, S1H, L , ena Ca0aME V&ea.H(\$e Q DC)D D1221+E 2chocardiogra\$h(, ena Ca0ae
16	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , DH;4*+*1, S1H, L-u'monar(, enou. StructureME V&ea.H(\$e Q DC)D D12214E 2chocardiogra\$h(-u'monar(, ein.
20	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2 , D-+;30031, S1H, LCardiac Shunt Stud(ME V&ea.H(\$e Q DC)D D12217E

							2chocardiogra\$h(Cardiac Shunt
21	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2, D4;30000, S1H, LCongenita' Anoma'(of Cardio0a.cu'ar S(.temME V&ea.H(\$e Q DC)D D1221*E 2chocardiogra\$h(Congenita'
22	0	CO3HA)3S)3C=#D2	DH)D D+204E 8 a'' &otion Ana'(.i.			
23	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2, D3;60000, S1H, L-ericardia' di.ea.eWE V&ea.H(\$e Q DC)D D60000E -ericardia' di.ea.e
24	0	CO3HA)3S)3C=#D2	DH)D D+202E 2cho Section			VSectionSu"lect Q 2, D5;0364, S1H, LCear rateME V&ea.H(\$e Q DC)D D12220E 2chocardiogra\$h(Common &ea.urement.
2+	0	CO3HA)3S	H2 ?H	D20121120,& 1 #S, L.e'f;defined; &ea.urementfi'eME			

9.1. TID3" "4 00ser.\$&ion Con&e&

This table lists the attributes of the 4 00ser.\$&ion Concept that may be defined or extended in the SR tree.

NL	Rel	with	VT	Concept Name	Used	in	Condition	Value Set	Constraint
	Parent								
									MODALITY

2 0 CAS O4S -3A&2 2, D12100*,DC&, Operator from nfo
CO3H2?H L-er.on O".er0er
3ameME

4	0	CO3HA)3S	3#&	2, D**67;4, =3, LCeart lateME			from nfo
+	0	CO3HA)3S	3#&	2, D!;00*2C, S1H, LS(.to'ic 4'ood -re..ureME			from nfo
6	0	CO3HA)3S	3#&	2, D!;00*2D, S1H, WDia.to'ic 4'ood -re..ureWE			from nfo
7	0	CO3HA)3S	3#&	2, D1*070;3,=3,W1ight Atrium S(.to'ic -re..ureWE			from nfo
*	0	CO3HA)3S	3#&	2, D*302;2, =3, L-atient CeightME			from Bor9'i.t or nfo
6	0	CO3HA)3S	3#&	2, D26463;7, =3, L-atient 8 eightME			from Bor9'i.t or nfo
10	0	CO3HA)3S	3#&	2, D*277;6, =3, L4od(Surface AreaME			from nfo
11	00)3!2112D !1O&	COD2	2, D*27*;4, =3, W4od(Surface Area !ormu'aWE		4C)D D3663E 4od(Surface Area 2Auation.	

9.4. TID 3SELFTEMP-!4 E '=o Pro'e*)re S) , , \$r+ Se'&ion

This is a private table related by ID>/200?

	NL	Rel with Parent	VT	Concept Name	Used in Modality	Value Set Constraint	Comment
1			CO3HA)321	DHD12111,DC&,WSummar(WE			
2	0	CO3HA)3S	H2?H	2, D121106,DC&,WCommentWE			from nfo
3	0	CO3HA)3S	H2?H	D)12101;01,& 1 #S,W-rimar()ndication.WE			from nfo
4	0	CO3HA)3S	H2?H	D)12101;02,& 1 #S,WSecondar()ndication.WE			from nfo
+	0	CO3HA)3S	H2?H	D)12101;03,& 1 #S,WC-H4 CodeWE			from nfo
6	0	CO3HA)3S	H2?H	D)12101;04,& 1 #S,WC-H4 De.cri\$tionWE			from nfo
	0	CO3HA)3S	H2?H	2, D121106, DC&, WCommentWE			from re\$ort interface Comment

*	0	CO3HA)3S	H2 ?H	D)12101;0+,& 1 #S,W-rom\$WE			from reSort interface Comment
6	0	CO3HA)3S	H2 ?H	D121071,DC&,W!inding.WE			from reSort interface Comment

9.A. TID 3A! !4 EC ; O SECTION

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Value Set Constraint	Comment
1			CO3HA)321	2 , D121070, DC&, M!inding.ME			
2	0	CAS CO3C2-H &OD	COD2	2 , D5;C023, S1H, L!inding SiteME		VSectionSu"lect Q 2 , DH;32600, S1H, L=eft , entric'eME	
3	0	CO3HA)3S	CO3HA)321	DH D12+007, DC&, L&ea.urement 5rou\$ME			
4	00	CAS CO3C2-H &OD	COD2	2 , D5;0373, S1H,M)mage &odeME		4C)D D12224E # 'tra.ound)mage &ode.	
+	00	CAS CO3C2-H &OD	COD2	DH D12+203,DC&,MAcAui.ition -rotoco'ME			
6	00	CO3HA)3S)3C=#D2	DH)D D+203E 2cho &ea.urement		V&ea.urementQ V&ea.H(\$e Q DC)D D12200E 2chocardiogra\$(=eft , entric'e VðodQC)D D12227E 2chocardiogra\$(&ea.urement ðod	

9.B. TID 3A: 4 E' = o Me\$s)re , en&

	NL	Relation with Parent	Value Type	Concept Name	Used in MODALITY	Value Set Constraint	Comment
1			3C=#D2	DH)D 0300E &ea.urement		V&ea.urement Q V&ea.urement Vðod Q Vðod VHargetSite Q 4C)D 012236E 2cho Anatomic Site. VHargetSite&od Q 4C)D 012237E 2chocardiogra\$(Anatomic Site &odifier.	
2	0	CAS CO3C2-H &OD	COD2	2, D5;C036,S1H,W&ea.urement ðodWE		Hhi. roB i. u.ed on'(if the mea.urement or ca'cu'ation thi. tem\$'ate i. in0o9ed Bith mandate. it. OtherBi.e thi. roB i. not u.ed. Hhe 0a'ue. are ta9en from the 4C)D 12227	
3	0	CAS CO3C2-H &OD	COD2	2, D5;C04*, S1H, L!'oB DirectionME		4C)D 012221E !'oB Direction	
4	0	CAS CO3C2-H &OD	COD2	2, D1;40*66, S1H, L1e.\$irator(C(c'e -ointME		DC)D 012234E 1e.\$iration State	
+	0	CAS CO3C2-H &OD	COD2	2, D1;40*6A, S1H, LCardiac C(c'e -ointME		DC)D 012233E 1e.\$iration State	
6	0	CAS AC : CO3H2?H	COD2	2, D5;0373, S1H, L)mage &odeME		DC)D 012224E # 'tra.ound)mage &ode.	

7	0	CAS AC: CO3H2?H	COD2	2, D111031, DC&, L)mage , ieBME		4C)D D12226E 2chocardiogra\$h()mage , ieB	
---	---	--------------------	------	------------------------------------	--	--	--

9.D. CID 3"!! 4 E '=o '\$r*io%r\$8=+ Le-& Ven&ri '(e

)3C=#D2 C)D 12220 2chocardiogra\$h(Common &ea.urement.
)3C=#D2 C)D 12201 =eft , entric'e =inear
)3C=#D2 C)D 12240 =eft , entric'e Area
)3C=#D2 C)D 12202 =eft , entric'e , o'ume
)3C=#D2 C)D 12222 Orifice !'oB -ro\$ertie.
)3C=#D2 C)D 12203 =eft , entric'e Other
)3C=#D2 C)D 12236 Cardiac Out\$ut -ro\$ertie.

9.8. CID 3"!! " 4 Le-& Ven&ri '(e Line\$r

9.1. CID 3!!! 14 Le-Venri'(e Vo) , e

CSD	CV	Code Meaning
=3	1*026;+	=eft , entricuar 2nd Dia.to'ic , o'ume
=3	1*14*;7	=eft , entricuar 2nd S(.to'ic , o'ume
=3	1*043;0	=eft , entricuar 2lection !raction

9.2. CID 3!!! :4 Le-Venri'(e O=er

CSD	CV	Code Meaning
=3	1*0*7;7	=eft , entric'e &a..
=3	1*071;1	=eft , entricuar).o0o'umic 1e'a7ation Hime
S1H	5:0372	=eft , entricuar).o0o'umic Contraction Hime
S1H	5:037!	=eft , entricuar)nde7 of & (ocardia' -erformance
& 1 #S	&12203;01	=eft , entric'e -re;2lection -eriod
& 1 #S	&12203;02	=eft , entric'e 2lection Hime
& 1 #S	C12203;01	=eft 0entricuar &a.. 8 eight)nde7
& 1 #S	C12203;02	=eft , entric'e -re;2lection -eriod to 2lection Hime 1atio

9.3. CID 3!!! 44 E '=o '\$r*io%r\$8=+ Ri%=& Venri'(e

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$h(Common &ea.urement.		
)3C=#D2 C)D 12222 Orifice !'oB -ro\$ertie.		
)3C=#D2 C)D 12236 Cardiac Out\$ut -ro\$ertie.		
=3	20304;2	1 ight , entricuar)nterna' Dia.to'ic Dimen.ion
=3	2030+;6	1 ight , entricuar)nterna' S(.to'ic Dimen.ion
S1H	5:03*1	1 ight , entricuar)nde7 of & (ocardia' -erformance
S1H	5:03*0	1 ight , entricuar -ea9 S(.to'ic -re..ure
=3	1*1+3;7	1 ight , entricuar Anterior 8 a'' Dia.to'ic Hhic9ne..
=3	1*1+7;*	1 ight , entricuar Anterior 8 a'' S(.to'ic Hhic9ne..
& 1 #S	&12204;01	1 ight 0entricuar &alor
& 1 #S	&12204;02	1 ight 0entricuar &inor
& 1 #S	&12204;03	1 ight 0entricuar Area at end;dia.to'e
& 1 #S	&12204;04	1 ight 0entricuar Area at end;(.to'e
& 1 #S	&12204;0+	1 ight , entric'e -re;2lection -eriod

CSD	CV	Code Meaning
S1H	5;03*6	&itra' , a'0e AH/DH 1atio
=3	1*040;6	&itra' , a'0e 2; ! S'oSe "(& ; &code
=3	1*036;4	&itra' , a'0e 2-SS, 2 Ba0e
S1H	5;03*+	&itra' , a'0e A; 8 a0e Duration
S1H	5;03*7	&itra' , a'0e C'o.ure to O\$ening Hime
=3	1*03+;6	&itra' 1egurgitation d-/dt deri0ed from &itra' 1eg. 0e'ocit(
& 1 #S	& 12207;01	&itra' 0a'0e cu.\$.e\$arate di.tance
& 1 #S	& 12207;02	&itra' , a'0e D;2 S'oSe
& 1 #S	& 12207;03	Am\$'itude of the A Ba0e
& 1 #S	& 12207;04	Am\$'itude of the 2 Ba0e
& 1 #S	& 12207;0+	Am\$'itude from D \$oint to 2 \$oint
& 1 #S	& 12207;06	&itra' , a'0e 2;Ba0e -re..ure 5radient
& 1 #S	& 12207;07	&itra' , a'0e A;Ba0e -re..ure 5radient
& 1 #S	& 12207;0*	2 Ba0e , e'ocit(Hime)ntegra'
& 1 #S	& 12207;6	A Ba0e , e'ocit(Hime)ntegra'
& 1 #S	& 12207;10	&itra' , a'0e 2; 8 a0e Duration
& 1 #S	& 12207;11	S(.to'ic , e'ocit(of the &itra' Annu'u.Dmedia'E
& 1 #S	& 12207;12	2ar'(dia.to'ic 0e'ocit(of the mitra' annu'u.Dmedia'E
& 1 #S	& 12207;13	=ate dia.to'ic 0e'ocit(of the mitra' annu'u.Dmedia'E
& 1 #S	& 12207;14	2ar'(dia.to'ic 0e'ocit(to =ate dia.to'ic 0e'ocit(1atio
& 1 #S	& 12207;1+	Acce'eration Hime of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;16	Acce'eration 1ate of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;17	Dece'eration Hime of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;1*	Dece'eration 1ate of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;16	S(.to'ic , e'ocit(of the &itra' Annu'u.D'atera'E
& 1 #S	& 12207;20	2ar'(dia.to'ic 0e'ocit(of the mitra' annu'u.D'atera'E
& 1 #S	& 12207;21	=ate dia.to'ic 0e'ocit(of the mitra' annu'u.D'atera'E
& 1 #S	& 12207;22	2ar'(dia.to'ic 0e'ocit(to =ate dia.to'ic 0e'ocit(1atio
& 1 #S	& 12207;23	Acce'eration Hime of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;24	Acce'eration 1ate of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;2+	Dece'eration Hime of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;26	Dece'eration 1ate of 2ar'(dia.to'ic 0e'ocit(
& 1 #S	& 12207;27	&itra' Steno.i. 1adiu.
& 1 #S	& 12207;2*	&itra' Steno.i. A'ia.ing , e'ocit(
& 1 #S	& 12207;26	&itra' Steno.i. &a7imum , e'ocit(

CSD	CV	Code Meaning
&1#S	&12207;30	&itra' Steno.i. Area
&1#S	C12207;01	&itra' Steno.i. &a7imum -re..ure 5radient

9."A. CID 3"!! 84 E'=o'\$r*io%r\$8=+ Tri')s8i* V\$(.e

CSD	CV	Code Meaning
)3C=#D2 C)D 12220	2chocardiogra	h(Common &ea.urement.
)3C=#D2 C)D 12222	Orifice !'oB	-ro\$ertie.

9.8. CID 3"!!"4 E'=o'\$r*io%r\$8=+ Aor&i' V\$(.e

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$h(Common &ea.urement.		
)3C=#D2 C)D 12222 Orifice !'oB -ro\$ertie.		
=3	17666;0	Aortic , a'oe Cu.\$ Se\$aration
S1H	5;03*2	Ratio of Aortic , a'oe Acce'eration Hime to 2Iection Hime

9.#. CID 3"!!"4 E'=o'\$r*io%r\$8=+ Aor&\$

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$h(Common &ea.urement.		
=3	1*01+;*	Aortic Root Diameter
=3	1*011;7	Aortic Arch Diameter
=3	1*012;+	Ascending Aortic Diameter
=3	1*014;1	Aortic .thmu. Diameter
=3	1*013;3	Descending Aortic Diameter
& 1 #S	& 12212;01	Aortic Sinotu"u'ar Junction Diameter
& 1 #S	& 12212;02	Aortic Sinu. Diameter
& 1 #S	& 12212;03	Ductu. Arter(Diameter
& 1 #S	& 12212;04	-re0iou. Ducta' Diameter
& 1 #S	& 12212;0+	=eft Coronar(Arter(Diameter
& 1 #S	& 12212;06	I ight Coronar(Arter(Diameter
& 1 #S	C12212;02	Aortic Sinotu"u'ar Junction Diameter/Aorta Root Diameter

9.! . CID 3"!!"44 E'=o'\$r*io%r\$8=+ P)(, on\$r+ Veins

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$h(Common &ea.urement.		
S1H	5;03*4	-u'monar(, ein A; 8 a0e Duration
S1H	5;03*D	-u'monar(, ein D; 8 a0e , e'ocit(Hime)ntegra/
S1H	5;03*C	-u'monar(, ein S; 8 a0e , e'ocit(Hime)ntegra'
& 1 #S	& 12214;01	-u'monar(, ein S Ba0e f'oB , e'ocit(
& 1 #S	& 12214;02	-u'monar(, ein D;Ba0e f'oB , e'ocit(
& 1 #S	& 12214;03	-u'monar(, ein A;Ba0e f'oB , e'ocit(
& 1 #S	& 12214;04	-u'monar(, ein Dece'eration Hime
& 1 #S	& 12214;0+	-u'monar(, ein Ratio of S; 8 a0e 0e'ocit(to D;Ba0e 0e'ocit(

CSD	CV	Code Meaning
&1#S	&12214;06	-u'monar(, ein S(.to'ic fraction

9.1.1. CID 3"!!"A4 E'=o'\$r*io%r\$8=+ Ven\$ C\$. \$e

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$(Common &ea.urement.		
=3	1*006;7)nferior , ena Ca0a Diameter
&1#S	&1221+;01	Su\$erior , ena Ca0a Diameter

9.1.1.1. CID 3"!!"D4 E'=o'\$r*io%r\$8=+ C\$r*i\$' S(=)n&

CSD	CV	Code Meaning
)3C=#D2 C)D 12220 2chocardiogra\$(Common &ea.urement.		
)3C=#D2 C)D 12236 Cardiac Out\$ut -ro\$ertie.		
=3	26462;6	-u'monar(;to;S(.temic Shunt !'oB 1atio
&1#S	&12217;01	-u'monar(;.u";S(.temic Shunt !'oB Difference

9.1.1.1.1. CID 3"!!"84 E'=o'\$r*io%r\$8=+ Con%eni&\$

CSD CV Code Meaning

9.1.4. CID 3"!!! 4 E'=o'\$r*io%r\$8=+ Co, , on Me\$s)re , en&s

CSD	CV	Code Meaning
=3	**67;4	Heart rate

9.1.A. CID 3"!!! 4 F(o/ Dire'&ion

CSD	CV	Code Meaning
S1H	1;42047	Antegrade !'oB
S1H	1;42261	Regurgitant !'oB

9.1.B. CID 3"!!!! 4 Ori-i'e F(o/ Pro8er&ies

CSD	CV	Code Meaning
S1H	5;03*2	Cardio0a.cu'ar Orifice Area
S1H	5;03*!	Cardio0a.cu'ar Orifice Diameter
S1H	5;0360	Regurgitant !raction
=3	11726;7	-ea9 , e'ocit(
=3	203+2;1	&ean , e'ocit(
=3	20247;3	-ea9 5radient
=3	202+6;4	&ean 5radient
=3	203+4;7	, e'ocit(Hime)ntegra'
=3	2016*;1	Acceleration Hime
=3	116+3;3	2nd Dia.to'ic , e'ocit(
=3	202*0;4	-re..ure Ca'f;Hime
=3	20217;6	Deceleration Hime
=3	33*7*;0	, o'ume !'oB
=3	34141;2	-ea9)n.tantaneou. !'oB late
=3	20216*;*	Deceleration S'o\$e
&1#S	&12222;0+	Alia.ing , e'ocit(
&1#S	&12222;04	Hime
&1#S	&12222;02	Acceleration S'o\$e
&1#S	&12222;06	!oB ladiu.

CSD	CV	Code Meaning
&1#S	&12222;01	Angle
&1#S	&12222;0*	-reference gradient at end;Dial tone
&1#S	&12222;07	Acceleration Time/Deceleration Time

9.1D. CID 3"!!!44 U(&R\$so)n* I, \$%e Mo*es

CSD	CV	Code Meaning
S1H	5;03A2	2D mode
S1H	5;0364	& mode
S1H	1;40622	Do\$er Color !oB
S1H	5;0364	& mode
S1H	1;40624	Do\$er -u'.ed
S1H	1;40623	Do\$er Continuo. 8 a0e
DC&	12+230	-oBer Do\$er
DC&	12+231	3D mode
&1#S)&12224;01	Hi..ue Do\$er)maging

9.18. CID 3"!!!B4 E '=o'\$r*io%r\$8=+ I, \$%e Vie /

CSD	CV	Code Meaning
S1H	5;A164	A\$ica' tBo cham"er
S1H	5;A16C	A\$ica' four cham"er
S1H	5;036+	A\$ica' 'ong a7i.
S1H	5;0366	-ara.terna' 'ong a7i.
S1H	5;0367	-ara.terna' .hort a7i.
S1H	5;036*	-ara.terna' .hort a7i. at the aortic 0a'0e 'e0e'
S1H	5;0366	-ara.terna' .hort a7i. at the 'e0e' of the mitra' chord.
S1H	5;036A	-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e'
S1H	5;0364	-ara.terna' .hort a7i. at the -a\$ii'ar(&u.c'e 'e0e'
S1H	5;036C	I ight , entricu'ar)nf'oB Hract , ieB
S1H	5;036D	I ight , entricu'ar Outf'oB Hract , ieB
S1H	5;0362	Su"co.ta' 'ong a7i.
S1H	5;036!	Su"co.ta' .hort a7i.
S1H	5;03A0	Su\$ra.terna' 'ong a7i.
S1H	5;03A1	Su\$ra.terna' .hort a7i.

9.1.1. CID 3: 1222* 2chocardiogram, volume

)3C=#D2 C)D 1222* 2chocardiogram (, o'ume ðod.
)3C=#D2 C)D 12226 2chocardiogram (Area ðod.
)3C=#D2 C)D 12231 , o'ume !'oB ðod.
)3C=#D2 C)D 12232 & (ocardium &a. . ðod.

9.1.2. CID 3: 12+204, 12+20+, 12+211, 12+226, 12+206, 12+207, 12+20*, 12+206, 12+206, 12+206, 12+210, 12+212, 12+213, 12+214, 12+21+, 12+216, 12+220

CSD	CV	Code Meaning
DC&	12+204	Area;=ength 4i\$'ane
DC&	12+20+	Area;=ength Sing'e -'ane
DC&	12+211	4i\$'ane 2''i\$.e
DC&	12+226	Sing'e -'ane 2''i\$.e
DC&	12+206	Cu"e ðod
DC&	12+207	ðod of Di.9., 4i\$'ane
DC&	12+20*	ðod of Di.9., Sing'e -'ane
DC&	12+206	Heichho'K
& 1 #S	, &1222*;01	4u''et
& 1 #S	, &1222*;02	ðod of Di.9., Sim\$.on
& 1 #S	, &1222*;03	5i".on

9.1.3. CID 3: 12+210, 12+212, 12+213, 12+214, 12+21+, 12+216, 12+220

CSD	CV	Code Meaning
DC&	12+210	Area "(-re..ure Ca'f;Hime
DC&	12+212	Continuit(2Auation
DC&	12+213	Continuit(2Auation "(&ean , e'ocit(
DC&	12+214	Continuit(2Auation "(-ea9 , e'ocit(
DC&	12+21+	Continuit(2Auation "(, e'ocit(Hime)ntegra'
DC&	12+216	-ro7ima').o0e'ocit(Surface Area
DC&	12+220	-'animetr(

9.1.4. CID 3: 12+204, 12+20+, 12+211, 12+226, 12+206, 12+207, 12+20*, 12+206, 12+206, 12+206, 12+210, 12+212, 12+213, 12+214, 12+21+, 12+216, 12+220

CSD	CV	Code Meaning
-----	----	--------------

CSD	CV	Code Meaning
DC&	12+217	!u'' 4ernou''i
DC&	12+21*	Sim\$'ified 4ernou''i

9.3.3. CID 3"!!!:"4 Vo() , e F(o / Me&=o*s

CSD	CV	Code Meaning
DC&	12+216	Do\$\$'er , o'ume !'oB
DC&	12+216	-ro7ima').o0e'ocit(Surface Area

9.3.4. CID 3"!!!:!4 M+o'\$r*i) , M\$ss Me&=o*s

CSD	CV	Code Meaning
DC&	12+221	=eft , entric'e &a.. "(&;mode
DC&	12+222	=eft , entric'e &a.. "(Hruncated 2''i\$.e

9.3.A. CID 3"!!!:4 C\$r*i\$' P=\$se

CSD	CV	Code Meaning
S1H	!;32020	S(.to'e
S1H	!;32010	Dia.to'e
S1H	!;32011	2nd Dia.to'e
DC&	106070	2nd S(.to'e

9.3.B. CID 3"!!!:44 Res8ir\$&ion P=\$se

CSD	CV	Code Meaning
S1H	!;20010	During)n.\$siration
S1H	!;20020	During 27\$iration

9.3.D. CID 3"!!!:#4 C\$r*i\$' O)&8)& Pro8er&ies

CSD	CV	Code Meaning
S1H	!;32120	Stro9e , o'ume
S1H	!;32100	Cardiac Out\$ut
S1H	!;32110	Cardiac)nde7
S1H	!;0007*	Stro9e)nde7
S1H	!;04!D*	1 , Stro9e , o'ume

CSD	CV	Code Meaning
S1H	!;04!2+	1, Stroke Index
S1H	!;04!A+	1, Cardiac Output
S1H	!;04!*4	1, Cardiac Index

9.1.8. CID 3 4 Le-Ven (e Are)

CSD	CV	Code Meaning
S1H	5;0374	=eft , entric'ar S (.to'ic Area
S1H	5;037+	=eft , entric'ar Dia.to'ic Area
S1H	5;0376	=eft , entric'e 2\$icardia' Dia.to'ic Area, \$.a7 \$a\$ 0ieB
& 1 #S	& 12240;01	=eft , entric'e 2ndocardiatic Dia.to'ic Area, \$.a7 \$a\$ 0ieB

9.1.9. CID 3# 4 Peri'\$r*i\$ (*ise\$se

CSD	CV	Code Meaning
& 1 #S	C60000;01	-ericard 2ffu.ion at end;dia.to'e
& 1 #S	C60000;02	-ericard 2ffu.ion at end;. (.to'e

9.4 . M\$88in% 0e&/ een Mo*\$ (i&+ , e\$)re , en& \$n*

DICOM Con'e&s.

9.4 .". Le-Ven (e Me\$)re , en&

= , OH C1	**67;4,=3,Ceart rate	
= ,)DdD2DE	26436;3,=3,=eft , entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
= ,)Dd Cu"eD2DE	26436;3,=3,=eft , entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Cu"e ðod
= ,)Dd HeichD2DE	26436;3,=3,=eft , entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,&Heichho'K
= ,)Dd 5i".onD2DE	26436;3,=3,=eft , entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i".on
= ,)Dd 5i".onD&E	26436;3,=3,=eft , entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i".on

= ,)Dd Cu"eD&E	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Cu"e ðod
= ,)Dd HeichD&E	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Heichho'K
= ,)Dd = , &a..DCu"eED2DE	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
= ,)Dd = , &a..DCu"eED&E	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q12+221,DC&,=eft ,entric'e &a.. "(&;mode
= ,)Dd4 - 2''i\$.eE	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+211,DC&,4i\$'ane 2''i\$.e
= ,)DdD&E	26436;3,=3,=eft ,entric'e)nterna' 2nd Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode
= ,)D.D2DE	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
= ,)D. Cu"eD2DE	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Cu"e ðod
= ,)D. HeichD2DE	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Heichho'K
= ,)D. 5i".onD2DE	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,&1#S,5i".on
= ,)D. Cu"eD&E	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Cu"e ðod
= ,)D. HeichD&E	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Heichho'K
= ,)D. 5i".onD&E	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,&1#S,5i".on
= ,)D.D4 - 2''i\$.eE	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+211,DC&,4i\$'ane 2''i\$.e
= ,)D.D&E	2643*;6,=3,=eft ,entric'e)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode
!SDCu"e;&E	1*0+1;3,=3,=eft ,entricu'ar !ractiona' Shortening)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Cu"e ðod
!SDHeich;&E	1*0+1;3,=3,=eft ,entricu'ar !ractiona' Shortening)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Heichho'K
!SD5i".on;&E	1*0+1;3,=3,=eft ,entricu'ar !ractiona' Shortening)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,&1#S,5i".on
!SDCu"e;2DE	1*0+1;3,=3,=eft ,entricu'ar !ractiona' Shortening)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Cu"e ðod

) , S. D&E	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;0364,S1H,& &ode
) , S. HeichD2DE	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Heichho'K
) , S. HeichD&E	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Heichho'K
) , S. Cu"eD2DE	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Cu"e ðod
) , S. Cu"eD&E	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Cu"e ðod
) , S. 5i".onD2DE	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i".on
) , S. 5i".onD&E	1*1+*;6,=3,)nter0entricu'ar S(.to'ic Hhic9ne..	Se\$stum)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i".on
= , - 8]D2DE	1*0+3;6,=3,=eft ,entric'e 8 a"] Hhic9ening	-o.terior)mage&ode Q 5;03A2,S1H,2D mode
= , - 8]D&E	1*0+3;6,=3,=eft ,entric'e 8 a"] Hhic9ening	-o.terior)mage&ode Q 5;0364,S1H,& &ode
= , =d a\$ica'D&od.Sim\$.one	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;02,& 1 #S,ðod of Di.9.,Sim\$.on
= , =dA2CE	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e - 'ane
= , =dA4CE	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e - 'ane
= , =d a\$ica'DS- 2"i\$.eE	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+226,DC&,Sing'e - 'ane 2"i\$.e
= , =d a\$ica'D4u"etE	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;01,& 1 #S,4u"et
= , =d a\$ica'D=, &a.. A;=E	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+20+,DC&,Area;=ength Sing'e - 'ane
= , =d2i	1*077*;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane

= , =d4i	1*077;*,=3,=eft ,entric'e dia.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
= , =. a\$ica'D&od.Sim\$.one	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode
= , =.DA2CE	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+226,DC&,Sing'e -'ane 2''i\$.e
= , =.DA4CE	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+226,DC&,Sing'e -'ane 2''i\$.e
= , =. a\$ica'DS-2''i\$.eE	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode
= , =. a\$ica'D4u''etE	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode
= , =.2i	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
= , =.4i	1*076;0,=3,=eft ,entric'e .(.to'ic malor a7i.)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
= , - 8 .D2DE	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode
= , - 8 .D&E	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode
= , - 8 .Cu"eD2DE	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&,Cu"e ðod
= , - 8 .Cu"eD&E	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&,Cu"e ðod
= , - 8 .HeichD2DE	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC&.,Heichho'K
= , - 8 .HeichD&E	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC&.,Heichho'K
= , - 8 .5i".onD2DE	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i".on

= , - 8 . 5 i" . onD&E	1*1+6;0,=3,=eft ,entric'e -o.terior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
= , - 8 dD2DE	1*1+2;6,=3,=eft ,entric'e -o.terior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode
= , - 8 dD= , &a. .;2DE	1*1+2;6,=3,=eft ,entric'e -o.terior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode
= , - 8 dD= , &a. .;&E	1*1+2;6,=3,=eft ,entric'e -o.terior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode ðod Q12+221,DC&,=eft ,entric'e &a. . "(& ;mode
= , - 8 dD&E	1*1+2;6,=3,=eft ,entric'e -o.terior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode

= , - 8 d Cu"eD2DE 1*1+2;6,=3,=eft ,entric'e -o.terior 8 a'')mage&ode Q 5;03A2,S1H,2D mode
Dia.to'ic Hhic9ne.. ðod Q12+206,DC&,Cu"e ðo06o3 . 8 7936(7115 .67 149)9. 8 9163 (8

Model: DC-8 Series Diagnostic Ultrasound System

= , A.DA4CE	5;0374,S1H,=eft , entricu'ar S(.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
= , A. .a7 & ,D4- 2''i\$.eE	5;0374,S1H,=eft , entricu'ar S(.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036A,S1H,-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e' ðod Q12+211,DC&,4i\$'ane 2''i\$.e
= , A. .a7 & ,D4u''etE	5;0374,S1H,=eft , entricu'ar S(.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036A,S1H,-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e' ðod Q , &1222*;01,&1 #S,4u''et
= , A. a\$ica'D4- 2''i\$.eE	5;0374,S1H,=eft , entricu'ar S(.to'ic Area)mage&ode Q5;03A2,S1H,2D mode ðod Q12+211,DC&,4i\$'ane 2''i\$.e
= , AreaDdE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode
= , Ad a\$ica'DS- 2''i\$.eE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036+,S1H,A\$ica' 'ong a7i.
= , Ad .a7 & ,D&od.Sim\$.onE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036A,S1H,-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e'
= , Ad .a7 -&	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;0364,S1H,-ara.terna' .hort a7i. at the -a\$ii'ar(&u.c'e 'e0e'
= , AdDA2CE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
= , AdDA4CE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
= , Ad .a7 & ,D4- 2''i\$.eE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036A,S1H,-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e' ðod Q12+211,DC&,4i\$'ane 2''i\$.e
= , Ad .a7 & ,D4u''etE	5;037+,S1H,=eft , entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036A,S1H,-ara.terna' .hort a7i. at the &itra' , a'0e 'e0e' ðod Q , &1222*;01,&1 #S,4u''et

Ad Area 2''i\$.eE	5;037+,S1H,=eft ,entricu'ar Dia.to'ic Area)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;036+,S1H,A\$ica' 'ong a7i. ðod Q12+211,DC&,4i\$'ane 2''i\$.e
Ad .a7 2\$ID=, &a. . H;2E	5;0376,S1H,=eft ,entric'e 2\$icardia' Dia.to'ic Area, \$.a7 \$a\$ 0ieB)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;0364,S1H,-ara.terna' .hort a7i. at the -a\$''ar(&u.c'e 'e0e' ðod Q12+222,DC&,=eft ,entric'e &a.. "(Hruncated 2''i\$.e
Ad .a7 2\$ID=, &a. . A;=E	5;0376,S1H,=eft ,entric'e 2\$icardia' Dia.to'ic Area, \$.a7 \$a\$ 0ieB)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;0364,S1H,-ara.terna' .hort a7i. at the -a\$''ar(&u.c'e 'e0e' ðod Q12+20+,DC&,Area;=ength Sing'e -'ane
Ad .a7 2ndoD=, &a. . H;2E	&12240;01,& 1 #S,=eft ,entric'e 2ndocardiac Dia.to'ic Area, \$.a7 \$a\$ 0ieB)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;0364,S1H,-ara.terna' .hort a7i. at the -a\$''ar(&u.c'e 'e0e' ðod Q12+222,DC&,=eft ,entric'e &a.. "(Hruncated 2''i\$.e
Ad .a7 2ndoD=, &a. . A;=E	&12240;01,& 1 #S,=eft ,entric'e 2ndocardiac Dia.to'ic Area, \$.a7 \$a\$ 0ieB)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;0364,S1H,-ara.terna' .hort a7i. at the -a\$''ar(&u.c'e 'e0e' ðod Q12+20+,DC&,Area;=ength Sing'e -'ane
2D , DS- 2''i\$.eE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+226,DC&,Sing'e -'ane 2''i\$.e
2D , D4- 2''i\$.eE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+211,DC&,4i\$'ane 2''i\$.e
2D , D4u''etE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;01,& 1 #S,4u''et
2D , D&od.Sim\$.onE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;02,& 1 #S,ðod of Di.9.,Sim\$.on
2D , DSim\$ S-;A2CE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
2D , DSim\$.on 4 -E	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
2D , DSim\$ 4-;A2CE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane

2D, DSIM 4-;A4CE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
2D, DCu"e;&E	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Cu"e ðod
2D, DHeich;&E	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Heichho'K
2D, D5i".on;&E	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
2D, DCu"e;2DE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Cu"e ðod
2D, DHeich;2DE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Heichho'K
2D, D5i".on;2DE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i" .on
2D, DSIM S-;A4CE	1*026;+,=3,=eft ,entricu'ar 2nd Dia.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
2S, DS- 2''i\$.eE	1*14*;7,=3,=eft ,entricu'ar 2nd S(.to'ic , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+226,DC& ,Sing'e -'ane 2''i\$.e

2S, DSim\$ 4 - ;A4CE	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;03A2,S1H,2D mode)mage ,ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
2S, DCu"e;&E	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Cu"e ðod
2S, DHeich;&E	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Heichho'K
2S, D5i".on;&E	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
2S, DCu"e;2DE	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Cu"e ðod
2S, DHeich;2DE	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Heichho'K
2S, D5i".on;2DE	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i" .on
2S, DSim\$ S - ;A4CE	1*14*:7,=3,=eft ,entricu'ar 2nd S(.to'ic ,o'ume)mage&ode Q5;03A2,S1H,2D mode)mage ,ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e - 'ane
2 !DS- 2''i\$.eE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+226,DC& ,Sing'e - 'ane 2''i\$.e
2 !D4 - 2''i\$.eE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+211,DC& ,4i\$'ane 2''i\$.e
2 !D4u''eE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;01,& 1 #S,4u''et
2 !D&od.Sim\$.onE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;02,& 1 #S,ðod of Di.9.,Sim\$.on
2 !DA2CE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+20*,DC&,ðod of Di.9., Sing'e - 'ane
2 !DSim\$.on 4 -E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
2 !D2Sim\$.on 4 -E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode)mage ,ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane

2 !4)Sim\$.on 4 -E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode)mage ,ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
2 !DCu"e;&E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Cu"e ðod
2 !DHeich;&E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;0364,S1H,& &ode ðod Q12+206,DC& ,Heichho'K
2 !D5i" .on;&E	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
2 !DCu"e;2DE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Cu"e ðod
2 !DHeich;2DE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q12+206,DC& ,Heichho'K
2 !D5i" .on;2DE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i" .on
2 !DA4CE	1*043;0,=3,=eft ,entricu'ar 2lection !raction)mage&ode Q5;03A2,S1H,2D mode)mage ,ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9., Sing'e -'ane
= , OH Area	5;03*2,S1H,Cardio0a.cu'ar Orifice Area)mage&ode Q5;03A2,S1H,2D mode
= , OH DiamD2DE	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q5;03A2,S1H,2D mode
= , OH DiamD&E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q5;0364,S1H,& &ode
= , OH DiamD& , A , H)E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q5;03A2,S1H,2D mode
= , OH DiamDA , A , H)E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q5;03A2,S1H,2D mode
= , OH DiamDA , A , ma7E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q5;03A2,S1H,2D mode
= , OH , ma7	11726;7,=3,-ea9 , e'ocit(
= , OH , ma7D= , OH , H)E	11726;7,=3,-ea9 , e'ocit(
= , OH , mean	203+2;1,=3,&ean , e'ocit(
= , OH - 5ma7	20247;3,=3,-ea9 5radient	
= , OH - 5ma7D= , OH , H)E	20247;3,=3,-ea9 5radient	
= , OH - 5mean	202+6;4,=3,&ean 5radient	

= , OH , H)	203+4;7;=3 , , e'ocit(Hime)ntegra'	
= , OH , H)D& , A , H)E	203+4;7;=3 , , e'ocit(Hime)ntegra'	
= , OH , H)DA , A , H)E	203+4;7;=3 , , e'ocit(Hime)ntegra'	
= , OH AccH	2016*;1;=3 , Acce'eration Hime	
= , OH	&12222;01; & 1 #S, Ang'e	
= , OH Acc S'o\$e	&12222;02; & 1 #S, Acce'eration S'o\$e	
= , &a. .DCu"e; &E	1*0*7;7;=3, =eft , entric'e &a. .)mage&ode Q5;0364,S1H, & &ode ðod Q12+221,DC&, =eft , entric'e &a. . "(& ;mode
= , &a. .DH;2E	1*0*7;7;=3, =eft , entric'e &a. .)mage&ode Q5;03A2,S1H,2D mode ðod Q12+222,DC&, =eft , entric'e &a. . "(Hruncated 2"i\$.e
= , &a. .DA;=E	1*0*7;7;=3, =eft , entric'e &a. .)mage&ode Q5;03A2,S1H,2D mode ðod Q12+20+,DC&, Area;=ength Sing'e -'ane
= , &a. .DCu"e;2DE	1*0*7;7;=3, =eft , entric'e &a. .)mage&ode Q5;03A2,S1H,2D mode
) , 1H	1*071;1;=3, =eft , entricu'ar).o0o'umic 1e'a7ation Hime	
) , CH	5;0372,S1H, =eft , entricu'ar).o0o'umic Contraction Hime	
= ,)& -D&E	5;037!,S1H, =eft , entricu'ar)nde7 of & (ocardia' -erformance)mage&ode Q5;0364,S1H, & &ode
= ,)& -DDo\$\$'erE	5;037!,S1H, =eft , entricu'ar)nde7 of & (ocardia' -erformance	
= , - 2 -D&E	&12203;01; & 1 #S, =eft , entric'e -re;2lection -eriod)mage&ode Q5;0364,S1H, & &ode
= , - 2 -DDo\$\$'erE	&12203;01; & 1 #S, =eft , entric'e -re;2lection -eriod	
= , 2HD&E	&12203;02; & 1 #S, =eft , entric'e 2lection Hime)mage&ode Q5;0364,S1H, & &ode
= , 2HDDo\$\$'erE	&12203;02; & 1 #S, =eft , entric'e 2lection Hime	
= , 2H = ,)& -D&E	&12203;02; & 1 #S, =eft , entric'e 2lection Hime)mage&ode Q5;0364,S1H, & &ode
= , 2H = ,)& -DDo\$\$'erE	&12203;02; & 1 #S, =eft , entric'e 2lection Hime	

= , &a. .;)DCu"e;&E	C12203;01,& 1 #S,=eft 0entricu'ar &a. . 8 eight)nde7)mage&ode Q5;0364,S1H,& &ode ðod Q12+221,DC&,=eft ,entric'e &a. . "(& ;mode
= , &a. .;)DH;2E	C12203;01,& 1 #S,=eft 0entricu'ar &a. . 8 eight)nde7)mage&ode Q5;03A2,S1H,2D mode ðod Q12+222,DC&,=eft ,entric'e &a. . "(Hruncated 2''i\$.e
= , &a. .;)DA;=E	C12203;01,& 1 #S,=eft 0entricu'ar &a. . 8 eight)nde7)mage&ode Q5;03A2,S1H,2D mode ðod Q12+20+,DC&,Area;=ength Sing'e - 'ane
= , &a. .;)DCu"e;2DE	C12203;01,& 1 #S,=eft 0entricu'ar &a. . 8 eight)nde7)mage&ode Q5;03A2,S1H,2D mode
= , - 2 -/2HD&E	C12203;02,& 1 #S,=eft ,entric'e -re;2lection -eriod to 2lection Hime 1atio)mage&ode Q5;0364,S1H,& &ode
= , - 2 -/2HDDo\$\$'erE	C12203;02,& 1 #S,=eft ,entric'e -re;2lection -eriod to 2lection Hime 1atio	
= , OH S ,	!;32120,S1H,Stro9e , o'ume	
S , DS- 2''i\$.eE	!;32120,S1H,Stro9e , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+226,DC&,Sing'e - 'ane 2''i\$.e
S , D4- 2''i\$.eE	!;32120,S1H,Stro9e , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q12+211,DC&,4i\$'ane 2''i\$.e
S , D4u''etE	!;32120,S1H,Stro9e , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;01,& 1 #S,4u''et
S , D&od.Sim\$.onE	!;32120,S1H,Stro9e , o'ume)mage&ode Q5;03A2,S1H,2D mode ðod Q , &1222*;02,& 1 #S,ðod of Di.9.,Sim\$.on
S , DA2CE	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+20*,DC&,ðod of Di.9., Sing'e - 'ane
S , DSim\$.on 4 -E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
S , 2DSim\$.on 4 -E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane
S , 4DSim\$.on 4 -E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9., 4i\$'ane

S, DCu"e;&E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC& ,Cu"e ðod
S, DHeich;&E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC& ,Heichho'K
S, D5i".on;&E	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
S, DCu"e;2DE	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC& ,Cu"e ðod
S, DHeich;2DE	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC& ,Heichho'K
S, D5i".on;2DE	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i" .on
S, DA4CE	!;32120,S1H,Stro9e , o'ume)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC&,ðod of Di.9. , Sing'e -'ane
= , OH CO	!;32100,S1H,Cardiac Out\$ut	
COIS- 2''i\$.eE	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+226,DC& ,Sing'e -'ane 2''i\$.e
COI4- 2''i\$.eE	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+211,DC& ,4i\$'ane 2''i\$.e
COI4u''etE	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;01,& 1 #S,4u''et
COI&od.Sim\$.onE	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;02,& 1 #S,ðod of Di.9. ,Sim\$.on
COIA2CE	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+20*,DC&,ðod of Di.9. , Sing'e -'ane
COISim\$.on 4 -E	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+207,DC&,ðod of Di.9. , 4i\$'ane
COI2ISim\$.on 4 -E	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q12+207,DC&,ðod of Di.9. , 4i\$'ane
COI4ISim\$.on 4 -E	!;32100,S1H,Cardiac Out\$ut)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+207,DC&,ðod of Di.9. , 4i\$'ane

S)Cu"e;&E	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC& ,Cu"e ðod
S)Heich;&E	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;0364,S1H,& &ode ðod Q12+206,DC& ,Heichho'K
S)5i" .on;&E	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;0364,S1H,& &ode ðod Q , &1222*;03,& 1 #S,5i" .on
S)Cu"e;2DE	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC& ,Cu"e ðod
S)Heich;2DE	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;03A2,S1H,2D mode ðod Q12+206,DC& ,Heichho'K
S)5i" .on;2DE	!;0007*,S1H,Stro9e)nde7)mage&ode Q 5;03A2,S1H,2D mode ðod Q , &1222*;03,& 1 #S,5i" .on
S)A4CE	!;0007*,S1H,Stro9e)nde7	5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q12+20*,DC& ,ðod of Di.9. , Sing'e -'ane

9.4 .!. Ri%=& Ven&ri '(e Me\$s)re , en&s

1 , Dd)2DE	20304;2,=3,1 ight ,entricu'ar)nterna' Dia.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
1 , Dd)&E	20304;2,=3,1 ight ,entricu'ar)nterna' Dia.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode
1 , D.D)2DE	2030+;6,=3,1 ight ,entricu'ar)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
1 , D.D)&E	2030+;6,=3,1 ight ,entricu'ar)nterna' S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode
1 ,)&-	5;03*1,S1H,1 ight ,entricu'ar)nde7 of &(ocardia' -erformance	
1 , S-	5;03*0,S1H,1 ight ,entricu'ar -ea9 S(.to'ic -re..ure	
1 , A 8 d)2DE	1*1+3;7,=3,1 ight ,entricu'ar Anterior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode
1 , A 8 d)&E	1*1+3;7,=3,1 ight ,entricu'ar Anterior 8 a'' Dia.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode
1 , A 8 .D)2DE	1*1+7;*,=3,1 ight ,entricu'ar Anterior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;03A2,S1H,2D mode
1 , A 8 .D)&E	1*1+7;*,=3,1 ight ,entricu'ar Anterior 8 a'' S(.to'ic Hhic9ne..)mage&ode Q 5;0364,S1H,& &ode
1 , &alor	&12204;01,& 1 #S,1 ight 0entricu'ar &alor)mage&ode Q 5;03A2,S1H,2D mode

1, A_{inor}	$12204;02, 1 \#S, 1 \text{ight } 0 \text{entricu'ar } \&inor$)mage&ode Q 5:03A2,S 1 H,2D mode
1, AreaDE	$12204;03, 1 \#S, 1 \text{ight } 0 \text{entricu'ar } \text{Area } \text{at}$ end;dia.to'e)mage&ode Q 5:03A2,S 1 H,2D mode
1, AreaDE	$12204;04, 1 \#S, 1 \text{ight } 0 \text{entricu'ar } \text{Area } \text{at}$ end;. (.to'e)mage&ode Q 5:03A2,S 1 H,2D mode
1, -2-DE	$12204;0+, 1 \#S, 1 \text{ight } , \text{entric'e } \text{-re;2Iection}$ -eriod)mage&ode Q 5:0364,S 1 H,& &ode
1, -2-DDo\$\$\$$E$	$12204;0+, 1 \#S, 1 \text{ight } , \text{entric'e } \text{-re;2Iection}$ -eriod	
1, 2HDE	$12204;06, 1 \#S, 1 \text{ight } , \text{entric'e } 2 \text{Iection Hime}$)mage&ode Q 5:0364,S 1 H,& &ode
1, 2HD1,)&-E	$12204;06, 1 \#S, 1 \text{ight } , \text{entric'e } 2 \text{Iection Hime}$	
1, 2HDDo\$\$\$$E$	$12204;06, 1 \#S, 1 \text{ight } , \text{entric'e } 2 \text{Iection Hime}$	
1, -2-/2HDE	C12204;01, $1 \#S, 1 \text{ight } , \text{entric'e } \text{-re;2Iection } \text{-eriod}$ to 2Iection Hime 1atio)mage&ode Q 5:0364,S 1 H,& &ode
1, -2-/2HDDo\$\$\$$E$	C12204;01, $1 \#S, 1 \text{ight } , \text{entric'e } \text{-re;2Iection } \text{-eriod}$ to 2Iection Hime 1atio	
1, OH C1	**67;4,=3, Ceart rate	
1, OH DiamD2E	5:03*!, S1H, Cardio0a. cu'ar Orifice Diameter)mage&ode Q 5:03A2,S 1 H,2D mode
1, OH DiamDE	5:03*!, S1H, Cardio0a. cu'ar Orifice Diameter)mage&ode Q 5:0364,S 1 H,& &ode
1, OH , ma7	11726;7,=3, -ea9 , e'ocit(
1, OH , ma7D1, OH , H)E	11726;7,=3, -ea9 , e'ocit(
1, OH , mean	203+2;1,=3, &ean , e'ocit(
1, OH -5 ma7	20247;3,=3, -ea9 5radient	
1, OH -5 ma7D1, OH , H)E	20247;3,=3, -ea9 5radient	
1, OH -5 mean	202+6;4,=3, &ean 5radient	
1, OH , H)	203+4;7,=3, , e'ocit(Hime)ntegra'	
1, OH	$12222;01, 1 \#S, \text{Ang'e}$	

9.4 .:. Left Atrial, Measurement, ends

=A DiamD2E	26466;4,=3, =eft Atrium Antero;\$o.terior S(.to'ic Dimen.ion)mage&ode Q 5:03A2,S 1 H,2D mode
=A DiamDE	26466;4,=3, =eft Atrium Antero;\$o.terior S(.to'ic Dimen.ion)mage&ode Q 5:0364,S 1 H,& &ode

=A Diam=A , o' A;=E	26466;4,=3,=eft Atrium Antero;\$.terior S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode ðod Q 12+20+,DC&.,Area;=ength Sing'e - 'ane
=A Diam=A/Ao;2DE	26466;4,=3,=eft Atrium Antero;\$.terior S(.to'ic Dimen.ion)mage&ode Q 5;03A2,S1H,2D mode
=A Diam=A/Ao;&E	26466;4,=3,=eft Atrium Antero;\$.terior S(.to'ic Dimen.ion)mage&ode Q 5;0364,S1H,& &ode
=A/Ao;2DE	176*+;3,=3,=eft Atrium to Aortic Ioot Iatio)mage&ode Q 5;03A2,S1H,2D mode
=A/Ao;&E	176*+;3,=3,=eft Atrium to Aortic Ioot Iatio)mage&ode Q 5;0364,S1H,& &ode
=A Area	17677;0,=3,=eft Atrium S(.to'ic Area)mage&ode Q 5;03A2,S1H,2D mode
=AA;A2CE	17677;0,=3,=eft Atrium S(.to'ic Area)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q 12+20+,DC&.,Area;=ength Sing'e - 'ane
=AA;A4CE	17677;0,=3,=eft Atrium S(.to'ic Area)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q 12+20+,DC&.,Area;=ength Sing'e - 'ane
=A , o'DA;=E	5;03*3,S1H,=eft Atrium S(.to'ic , o'ume)mage&ode Q 5;03A2,S1H,2D mode ðod Q 12+20+,DC&.,Area;=ength Sing'e - 'ane
=A , o'DA2CE	5;03*3,S1H,=eft Atrium S(.to'ic , o'ume)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A164,S1H,A\$ica' tBo cham"er ðod Q 12+20*,DC&.,ðod of Di.9., Sing'e - 'ane
=A , o'DA4CE	5;03*3,S1H,=eft Atrium S(.to'ic , o'ume)mage&ode Q 5;03A2,S1H,2D mode)mage , ieB Q 5;A16C,S1H,A\$ica' four cham"er ðod Q 12+20*,DC&.,ðod of Di.9., Sing'e - 'ane
=A &aIor	&1220+;01,& 1 #S,=eft atrium &aIor)mage&ode Q 5;03A2,S1H,2D mode
=A &Inor	&1220+;02,& 1 #S,=eft atrium &Inor)mage&ode Q 5;03A2,S1H,2D mode
=eftA.A I/=A.&	C1220+;01,& 1 #S,Aortic Ioot to =eft Atrium Iatio	

9.4 .4. Ri%=& A&ri) , Me\$s)re , en&s

--	--	--

1A-	1*070;3,=3, 1ight Atrium S(.to'ic -re...ure	
1A Area	176**7;=3, 1ight Atrium S(.to'ic Area)mage&ode Q 5:03A2,S1H,2D mode
1A &alor	&12206;01,& 1 #S, 1ight atrium &alor)mage&ode Q 5:03A2,S1H,2D mode
1A &inor	&12206;02,& 1 #S, 1ight atrium &inor)mage&ode Q 5:03A2,S1H,2D mode
1A , o'DA4CE	&12206;03,& 1 #S, 1ight atrium , o'ume)mage&ode Q 5:03A2,S1H,2D mode)mage, ieB Q 5:A16C,S1H,A\$ica' four cham"er ðod Q 12+20*,DC&,ðod of Di.9., Sing'e -'ane

9.4 .A. Aor&i' V\$(.e Me\$s)re , en&s

ACS D2DE	17666;0;=3,Aortic , a'oe Cu.\$ Se\$aration)mage&ode Q 5:03A2,S1H,2D mode
ACS D&E	17666;0;=3,Aortic , a'oe Cu.\$ Se\$aration)mage&ode Q 5:0364,S1H,& &ode
A , AccH/2H	5;03*2,S1H, latio of Aortic , a'oe Acce'eration Hime to 2Iection Hime	
A , C1	**67;4;=3,Ceart rate	
A1 !'oB	33*7*;0;=3, , o'ume !'oB	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area
A1 !'oB late	34141;2;=3,-ea9)n.tantaneou. !'oB late	!'oB Direction Q1;42261,S1H,1egurgitant !'oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area
A , A	5;03*2,S1H,Cardio0a.cu'ar Orifice Area	!'oB Direction Q1;42047,S1H,Antegrade !'oB)mage&ode Q 5:03A2,S1H,2D mode ðod Q12+220,DC&,-'animetr(
A , AD , H)E	5;03*2,S1H,Cardio0a.cu'ar Orifice Area	!'oB Direction Q1;42047,S1H,Antegrade !'oB ðod Q12+21+,DC&,Continuit(2Auation "(, e'ocit(Hime)ntegra'
A , Diam D2DE	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q 5:03A2,S1H,2D mode
A , Diam D : \$/ : .E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter)mage&ode Q 5:03A2,S1H,2D mode
A1 !raction	5;0360,S1H,1egurgitant !raction	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area

A1, ed	116+3;3,=3,2nd Dia.to'ic , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, ,ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 ,ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A1 ,ma7DA1 ,H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A1 ,ma7DA1 -CHE	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A1 ,ma7D-)SA A1E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area
A, ,ma7DA , ,H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A, ,mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 ,mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, -5ma7	20247;3,=3,-ea9 5radient	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 -5ma7	20247;3,=3,-ea9 5radient	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, -5ma7DA , ,H)E	20247;3,=3,-ea9 5radient	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 -5ma7DA1 ,H)E	20247;3,=3,-ea9 5radient	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A1 -5ma7DA1 -CHE	20247;3,=3,-ea9 5radient	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, -5mean	202+6;4,=3,&ean 5radient	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 -5mean	202+6;4,=3,&ean 5radient	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, ,H)	203+4;7,=3, , e'ocit(Hime)ntegra'	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 ,H)	203+4;7,=3, , e'ocit(Hime)ntegra'	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, ,H)D : \$/ : .E	203+4;7,=3, , e'ocit(Hime)ntegra'	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 ,H)D-)SA A1E	203+4;7,=3, , e'ocit(Hime)ntegra'	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area
A, ,H)DA , A ,H)E	203+4;7,=3, , e'ocit(Hime)ntegra'	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 -CH	202*0;4,=3,-re..ure Ca'f:Hime	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A, AccH	2016*;1,=3,Acce'eration Hime	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A, DecH	20217;6,=3,Dece'eration Hime	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1 DcH	20217;6,=3,Dece'eration Hime	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB
A1 DecH	20217;6,=3,Dece'eration Hime	!'oB Direction Q 1;42261,S1H,1 egurgitant !'oB

ec S'oSe me A, Deco\$D Direction c

A1 Rad	&12222;06,&1 #S,!'oB Radu.	!'oB Direction Q 1;42261,S1H,1egurgitant !'oB)mage.&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB
A1 A'.., e'	&12222;0+,&1 #S,A'ia.ing , e'ocit(!'oB Direction Q 1;42261,S1H,1egurgitant !'oB)mage.&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB
A1 Hime	&12222;04,&1 #S,Hime	!'oB Direction Q 1;42261,S1H,1egurgitant !'oB
A1 Dc1	&12222;03,&1 #S,Dece'eration 1ate	!'oB Direction Q 1;42261,S1H,1egurgitant !'oB
A,	&12222;01,&1 #S,Ang'e	!'oB Direction Q 1;42047,S1H,Antegrade !'oB
A1	&12222;01,&1 #S,Ang'e	!'oB Direction Q 1;42261,S1H,1egurgitant !'oB
A, S,	!;32120,S1H,Stro9e , o'ume	
A, CO	!;32100,S1H,Cardiac Out\$ut	
A, C)	!;32110,S1H,Cardiac)nde7	
A, S)	!;0007*,S1H,Stro9e)nde7	
-)SA	&12222;06,&1 #S, 2ffectioe 1egurgitant Orifice Area	

9.4 .B. Mi&r\$(V\$(.e Me\$\$s)re , en&s

&, A , e'	1767*;* =3 &itra' , a'0e A; 8 a0e -ea9 , e'ocit()mage &ode Q 5;0364,S1H,& &ode
&, A , e'	1767*;* ,=3,&itra' , a'0e A; 8 a0e -ea9 , e'ocit(
&, A , e'D&, A , H)E	1767*;* ,=3,&itra' , a'0e A; 8 a0e -ea9 , e'ocit(
&, A , e'D&, 2/AE	1767*;* ,=3,&itra' , a'0e A; 8 a0e -ea9 , e'ocit(
&, 2 , e'	1*037;2,=3,&itra' , a'0e 2; 8 a0e -ea9 , e'ocit(
&, 2 , e'D&, 2 , H)E	1*037;2,=3,&itra' , a'0e 2; 8 a0e -ea9 , e'ocit(
&, 2 , e'D&, 2/AE	1*037;2,=3,&itra' , a'0e 2; 8 a0e -ea9 , e'ocit(
&, 2/A	1*03*;0,=3,&itra' , a'0e 2 to A 1atio	
&, 2/A)D&, 2/AE	1*03*;0,=3,&itra' , a'0e 2 to A 1atio	

& , C;O dur)E	5;03*7,S1H,&itra' , a'0e C'o.ure to O\$ening Hime)mage&ode Q 5;0364,S1H,& &ode
& , C;O dur)Do\$\$'erE	5;03*7,S1H,&itra' , a'0e C'o.ure to O\$ening Hime	
d-/dt	1*03+;6,=3,&itra' 1 egurgitation D\$/dt deri0ed from &itra' 1 eg. 0e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
&CS)2DE	&12207;01,&1 #S,&itra' 0a'0e cu. \$.e\$arate di.tance)mage&ode Q 5;03A2,S1H,2D mode
&CS)E	&12207;01,&1 #S,&itra' 0a'0e cu. \$.e\$arate di.tance)mage&ode Q 5;0364,S1H,& &ode
& , D;2 S'o\$e	&12207;02,&1 #S,&itra' , a'0e D;2 S'o\$e)mage&ode Q 5;0364,S1H,& &ode
& , A Am\$	&12207;03,&1 #S,Am\$'itude of the A Ba0e)mage&ode Q 5;0364,S1H,& &ode
& , 2 Am\$	&12207;04,&1 #S,Am\$'itude of the 2 Ba0e)mage&ode Q 5;0364,S1H,& &ode
& , D2	&12207;0+,&1 #S,Am\$'itude from D -oint to 2 -oint)mage&ode Q 5;0364,S1H,& &ode
& , 2 - 5	&12207;06,&1 #S,&itra' , a'0e 2;Ba0e -re..ure 5radient	
& , A - 5	&12207;07,&1 #S,&itra' , a'0e A;Ba0e -re..ure 5radient	
& , 2 ,H)	&12207;0*,&1 #S,2 Ba0e , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H,Antegrade !'oB
& , A ,H)	&12207;06,&1 #S,A Ba0e , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H,Antegrade !'oB
& , 2 Dur	&12207;10,&1 #S,&itra' , a'0e 2; 8 a0e Duration	
Sa)media'E	&12207;11,&1 #S,(.to'ic , e'ocit(of the &itra' Annu'u.Dmedia'E)mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging
2a)media'E	&12207;12,&1 #S,2ar'(dia.to'ic 0e'ocit(of the mitra' annu'u.Dmedia'E)mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging
Aa)media'E	&12207;13,&1 #S,=ate dia.to'ic 0e'ocit(of the mitra' annu'u.Dmedia'E)mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging
2a/Aa)media'E	&12207;14,&1 #S,2ar'(dia.to'ic 0e'ocit(to =ate dia.to'ic 0e'ocit(1atio)mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging
Ata)media'E	&12207;1+,&1 #S,Acce'eration Hime of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging
Ara)media'E	&12207;16,&1 #S,Acce'eration 1ate of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1 #S,Hi..ue Do\$\$'er)maging

Dialmedia'E	&12207;17,&1#S,Dece'eration Hime of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Dralmedia'E	&12207;1*,&1#S,Dece'eration late of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Sad'atera'E	&12207;16,&1#S,S(.to'ic ,e'ocit(of the &itra' Annu'u.D'atera'E)mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
2ad'atera'E	&12207;20,&1#S,2ar'(dia.to'ic 0e'ocit(of the mitra' annu'u.D'atera'E)mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Aad'atera'E	&12207;21,&1#S,=ate dia.to'ic 0e'ocit(of the mitra' annu'u.D'atera'E)mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
2a/Aad'atera'E	&12207;22,&1#S,2ar'(dia.to'ic 0e'ocit(to =ate dia.to'ic 0e'ocit(latio)mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Atad'atera'E	&12207;23,&1#S,Acce'eration Hime of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Arad'atera'E	&12207;24,&1#S,Acce'eration late of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Dtal'atera'E	&12207;2+,&1#S,Dece'eration Hime of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
Dral'atera'E	&12207;26,&1#S,Dece'eration late of 2ar'(dia.to'ic 0e'ocit()mage&ode Q)&12224;01,&1#S,Hi..ue Do\$\$'er)maging
&S l ad	&12207;27,&1#S,&itra' Steno.i. l adiu.)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB ðod Q 12+216,DC&,-ro7ima').0e'ocit(Surface Area
&S A'... , e'	&12207;2*,&1#S,&itra' Steno.i. A'ia.ing , e'ocit()mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB ðod Q 12+216,DC&,-ro7ima').0e'ocit(Surface Area
&S , ma7	&12207;26,&1#S,&itra' Steno.i. &a7imum , e'ocit(
&S , ma7)-)SA &SE	&12207;26,&1#S,&itra' Steno.i. &a7imum , e'ocit(ðod Q 12+216,DC&,-ro7ima')0e'ocit(Surface Area

Area	12207;30,1#S,Steno.i. Area	Method Q 12+216,DC&,-ro7ima')o'e'ocit(Surface Area
S -gma7	C12207;01,1#S,Steno.i. &a7imum -re..ure 5radient	
, C1	**67;4,=3,Ceart rate	
1 !'oB	33*7*;0,=3, , o'ume !'oB	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima')o'e'ocit(Surface Area
1 !'oB late	34141;2,=3,-ea9)n.tantaneou. !'oB late	!'oB Direction Q1;42261,S1H,1egurgitant !'oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB ðod Q 12+216,DC&,-ro7ima').o'e'ocit(Surface Area
, A	5;03*2,S1H,Cardio0a.cu'ar Orifice Area	!'oB Direction Q1;42047,S1H,Antegrade !'oB)mage&ode Q 5;03A2,S1H,2D mode ðod Q 12+220,DC&,-'animetr(
, AD-CHE	5;03*2,S1H,Cardio0a.cu'ar Orifice Area	!'oB Direction Q1;42047,S1H,Antegrade !'oB ðod Q 12+210,DC&,Area "(-re..ure Ca'f;Hime
, AD, H)E	5;03*2,S1H,Cardio0a.cu'ar Orifice Area	!'oB Direction Q1;42047,S1H,Antegrade !'oB ðod Q 12+21+,DC&,Continuit(2Auation "(, 'e'ocit(Hime)ntegra'
, Diam	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter	!'oB Direction Q1;42047,S1H,Antegrade !'oB)mage&ode Q 5;03A2,S1H,2D mode
1 !raction	5;0360,S1H,1egurgitant !raction	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima')o'e'ocit(Surface Area
, , ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
1 , ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1egurgitant !'oB)mage&ode Q 5;03A2,S1H,2D mode

& , , ma7D& , -CHE	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
& , , ma7D& , , H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 , ma7D& 1 , H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1egurgitant !'oB
& 1 , ma7D-)SA & 1E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
& , , mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 , mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q1;42261,S1H,1egurgitant !'oB
& , -gma7	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 -gma7	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
& , -gmean	202+6;4,=3,&ean 5radient	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 -gmean	202+6;4,=3,&ean 5radient	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
& , , H)	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 , H)	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
& , , H)D& , A , H)E	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& 1 , H)D-)SA & 1E	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
& , -CH	202*0;4,=3,-re..ure Ca'f:Hime	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& , Acch	2016*;1,=3,Acce'eration Hime	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& , DecH	20217;6,=3,Dece'eration Hime	!'oB Direction Q1;42047,S1H, Antegrade !'oB
& , Dec S'oSe	20216*;1,=3,Dece'eration S'oSe	!'oB Direction Q1;42047,S1H, Antegrade !'oB

& , Acc S'ose	&12222;02,&1 #S,Acc'e'ration S'ose	!'oB Direction Q1:42047,S1H, Antegrade !'oB
dt	&12222;04,&1 #S,Hime	!'oB Direction Q1:42261,S1H,1egurgitant !'oB
&1 lad	&12222;06,&1 #S,!'oB ladiu.	!'oB Direction Q1:42261,S1H,1egurgitant !'oB)mage&ode Q 1:40622, S1H, Do\$\$'er Co'or !'oB
&1 A'...e'	&12222;0+,&1 #S,A'ia.ing ,e'ocit(!'oB Direction Q1:42261,S1H,1egurgitant !'oB)mage&ode Q 1:40622, S1H, Do\$\$'er Co'or !'oB
& ,	&12222;01,&1 #S,Ang'e	!'oB Direction Q1:42047,S1H,Antegrade !'oB
&1	&12222;01,&1 #S,Ang'e	!'oB Direction Q1:42261,S1H,1egurgitant !'oB
& , S,	!;32120,S1H,Stro9e ,o'ume	
& , CO	!;32100,S1H,Cardiac Out\$ut	
& , C)	!;32110,S1H,Cardiac)nde7	
& , S)	!;0007*,S1H,Stro9e)nde7	
2/2a	&12207;3+,&1 #S,& , 2/2a	
-)SA	&12222;06,&1 #S, 2ffecti0e 1egurgitant Orifice Area	

9.4 .D. P)(, oni' V\$(.e Me\$\$)re , en&s

- , \	&12222;01,&1 #S,Ang'e	!'oB Direction Q1:42047,S1H,Antegrade !'oB
-1 \	&12222;01,&1 #S,Ang'e	!'oB Direction Q1:42261,S1H,1egurgitant !'oB
- , C1	**67;4,=3,Ceart rate	
-1 !'oB	33*7*:0,=3, , o'ume !'oB	!'oB Direction Q1:42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
-1 !'oB late	34141;2,=3,-ea9)n.tantaneou. !'oB late	!'oB Direction Q1:42261,S1H,1egurgitant !'oB)mage&ode Q 1:40622, S1H, Do\$\$'er Co'or !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
- , Diam	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter	!'oB Direction Q1:42047,S1H,Antegrade !'oB)mage&ode Q 5;03A2,S1H,2D mode

- , DiamD: \$/ : .E	5;03*!,S1H,Cardio0a.cu'ar Orifice Diameter	!'oB Direction Q1;42047,S1H,Antegrade !'oB)mage&ode Q 5;03A2,S1H,2D mode
- 1 !raction	5;0360,S1H,1 egurgitant !raction	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
- 1 ,ed	116+3;3,=3,2nd Dia.to'ic , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 ,edD-A2D-E	116+3;3,=3,2nd Dia.to'ic , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , ,ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
- 1 ,ma7	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , ,ma7D- , ,H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
- 1 ,ma7D- 1 , ,H)E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 ,ma7D- 1 -CHE	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 ,ma7D-)SA - 1E	11726;7,=3,-ea9 , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , ,mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q1;42047,S1H, Antegrade !'oB
- 1 ,mean	203+2;1,=3,&ean , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , -5ma7	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 -5ma7	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , -5ma7D- , ,H)E	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42047,S1H, Antegrade !'oB
- 1 -5ma7D- 1 , ,H)E	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 -5ma7D- 1 -CHE	20247;3,=3,-ea9 5radient	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , -5mean	202+6;4,=3,&ean 5radient	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 -5mean	202+6;4,=3,&ean 5radient	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , ,H)	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 ,H)	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , ,H)D: \$/ : .E	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 ,H)D-)SA - 1E	203+4;7,=3 , , e'ocit(Hime)ntegra'	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 -CH	202*0;4,=3,-re..ure Ca'f;Hime	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , AccH	2016*;1,=3,Acce'eration Hime	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 DecH	20217;6,=3,Dece'eration Hime	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- 1 Dec S'o\$e	20216*;1,=3,Dece'eration S'o\$e	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB
- , Acc S'o\$e	&12222;02,&1 #S,Acce'eration S'o\$e	!'oB Direction Q1;42047,S1H,Antegrade !'oB
- 1 Iad	&12222;06,&1 #S,!'oB Iadiu.	!'oB Direction Q1;42261,S1H,1 egurgitant !'oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB
- 1 A'... , e'	&12222;0+,&1 #S,A'ia.ing , e'ocit(!'oB Direction Q1;42261,S1H,1 egurgitant !'oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB

- 1 - 5ed	&12222;0*,&1 #S,-re.ure 5radient at end;Dia.to'e	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
- 1 - 5ed)-A2D-E	&12222;0*,&1 #S,-re.ure 5radient at end;Dia.to'e	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
- , S,	!;32120,S1H,Stro9e ,o'ume	
- , CO	!;32100,S1H,Cardiac Out\$ut	
- , C)	!;32110,S1H,Cardiac)nde7	
- , S)	!;0007*,S1H,Stro9e)nde7	
-)SA	&12222;06,&1 #S, 2ffecti0e 1egurgitant Orifice Area	

9.4 .8. Tri ')s8i * V\$(.e Me\$s)re , en&s

H, 2 ,e'	1*031;+,=3,Hricu.\$id ,a'0e 2 8a0e -ea9 ,e'ocit(
H, 2 ,e'DH, 2/AE	1*031;+,=3,Hricu.\$id ,a'0e 2 8a0e -ea9 ,e'ocit(
H, A ,e'	1*030;7,=3,Hricu.\$id ,a'0e A 8a0e -ea9 ,e'ocit(
H, A ,e'DH, 2/AE	1*030;7,=3,Hricu.\$id ,a'0e A 8a0e -ea9 ,e'ocit(
H, 2/A	1*036;*,=3,Hricu.\$id ,a'0e 2 to A 1atio	
H, 2/ADH, 2/AE	1*036;*,=3,Hricu.\$id ,a'0e 2 to A 1atio	
H, C;O dur	5;03*6,S1H,Hricu.\$id ,a'0e C'o.ure to O\$ening Hime	
H,	&12222;01,&1 #S,Ang'e	!'oB Direction Q1;42047,S1H,Antegrade !'oB
H1	&12222;01,&1 #S,Ang'e	!'oB Direction Q1;42261,S1H,1egurgitant !'oB
H, C1	**67;4,=3,Ceart rate	
H1 !'oB	33*7*;0,=3, ,o'ume !'oB	!'oB Direction Q1;42261,S1H,1egurgitant !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
H1 !'oB late	34141;2,=3,-ea9)n.tantaneou. !'oB late	!'oB Direction Q1;42261,S1H,1egurgitant !'oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !'oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area

H, A	5:03*2,S1H,Cardio0a.cu'ar Orifice Area	!oB Direction Q1;42047,S1H, Antegrade !oB)mage&ode Q 5:03A2,S1H,2D mode ðod Q 12+220,DC&,- 'animetr(
H, AD-CHE	5:03*2,S1H,Cardio0a.cu'ar Orifice Area	!oB Direction Q1;42047,S1H, Antegrade !oB ðod Q 12+210,DC&,Area "(-re..ure Ca'f;Hime
H, Diam	5:03*!,S1H,Cardio0a.cu'ar Orifice Diameter	!oB Direction Q1;42047,S1H, Antegrade !oB)mage&ode Q 5:03A2,S1H,2D mode
H1 !raction	5:0360,S1H,1egurgitant !raction	!oB Direction Q1;42261,S1H,1egurgitant !oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
H, ,ma7	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42047,S1H, Antegrade !oB
H1 ,ma7	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42261,S1H,1egurgitant !oB
H, ,ma7DH, -CHE	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42047,S1H, Antegrade !oB
H, ,ma7DH, ,H)E	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42047,S1H, Antegrade !oB
H1 ,ma7DH1 ,H)E	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42261,S1H,1egurgitant !oB
H1 ,ma7D-)SA H1E	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42261,S1H,1egurgitant !oB ðod Q 12+216,DC&,-ro7ima').o0e'ocit(Surface Area
H1 ,ma7D1 ,S-E	11726;7,=3,-ea9 ,e'ocit(!oB Direction Q1;42261,S1H,1egurgitant !oB
H, ,mean	203+2;1,=3,&ean ,e'ocit(!oB Direction Q1;42047,S1H, Antegrade !oB
H1 ,mean	203+2;1,=3,&ean ,e'ocit(!oB Direction Q1;42261,S1H,1egurgitant !oB
H, -5ma7DH, -CHE	20247;3,=3,-ea9 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H, -5ma7DH, ,H)E	20247;3,=3,-ea9 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H, -5ma7	20247;3,=3,-ea9 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H1 -5ma7	20247;3,=3,-ea9 5radient	!oB Direction Q1;42261,S1H,1egurgitant !oB
H1 -5ma7DH1 ,H)E	20247;3,=3,-ea9 5radient	!oB Direction Q1;42261,S1H,1egurgitant !oB
H1 -5ma7D1 ,S-E	20247;3,=3,-ea9 5radient	!oB Direction Q1;42261,S1H,1egurgitant !oB
H, -5mean	202+6;4,=3,&ean 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H1 -5mean	202+6;4,=3,&ean 5radient	!oB Direction Q1;42261,S1H,1egurgitant !oB
H, ,H)	203+4;7,=3, ,e'ocit(Hime)ntegra'	!oB Direction Q1;42047,S1H, Antegrade !oB
H1 ,H)	203+4;7,=3, ,e'ocit(Hime)ntegra'	!oB Direction Q1;42261,S1H,1egurgitant !oB
H1 ,H)D-)SA H1E	203+4;7,=3, ,e'ocit(Hime)ntegra'	!oB Direction Q1;42261,S1H,1egurgitant !oB ðod Q12+216,DC&,-ro7ima').o0e'ocit(Surface Area
H, -CH	202*0;4,=3,-re..ure Ca'f;Hime	!oB Direction Q1;42261,S1H,1egurgitant !oB
H, AccH	2016*;1,=3,Acce'eration Hime	!oB Direction Q1;42047,S1H, Antegrade !oB

H, DecH	20217;6,=3,Deceleration Hime	!oB Direction Q1;42261,S1H,1egurgitant !oB
H, Dec S'oSe	20216;*,=3,Deceleration S'oSe	!oB Direction Q1;42261,S1H,1egurgitant !oB
H, A Dur	&1220*;01,&1#S,Hricu.\$id ,a'0e 2; 8 a0e Duration	!oB Direction Q1;42047,S1H, Antegrade !oB
H, 2 - 5	&1220*;02,&1#S,Hricu.\$id ,a'0e 2 8 a0e -re..ure 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H, A - 5	&1220*;03,&1#S,Hricu.\$id ,a'0e A 8 a0e -re..ure 5radient	!oB Direction Q1;42047,S1H, Antegrade !oB
H, Acc S'oSe	&12222;02,&1#S,Acce'eration S'oSe	!oB Direction Q1;42047,S1H, Antegrade !oB
H, AccH/DecH	&12222;07,&1#S,Acce'eration Hime/Deceleration Hime	!oB Direction Q1;42047,S1H, Antegrade !oB
H1 1ad	&12222;06,&1#S,!oB 1adiu.	!oB Direction Q1;42261,S1H,1egurgitant !oB)mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !oB
H1 A'.., e'	&12222;02,&1#S,A'ia.ing ,e'ocit()mage&ode Q 1;40622, S1H, Do\$\$'er Co'or !oB
H, S,	!;32120,S1H,Stro9e ,o'ume	
H, CO	!;32100,S1H,Cardiac Out\$ut	
H, C)	!;32110,S1H,Cardiac)nde7	
H, S)	!;0007*,S1H,Stro9e)nde7	
-)SA	&12222;06,&1#S, 2ffecti0e 1egurgitant Orifice Area	

9.4 .#. Aor&\$ Me\$\$)re , en&s

Ao DiamD2DE	1*01+;*,=3,Aortic 1oot Diameter)mage&ode Q 5;03A2,S1H,2D mode
Ao DiamD&E	1*01+;*,=3,Aortic 1oot Diameter)mage&ode Q 5;0364,S1H,& &ode
Ao DiamD=A/Ao;2DE	1*01+;*,=3,Aortic 1oot Diameter)mage&ode Q 5;03A2,S1H,2D mode
Ao DiamD=A/Ao;&E	1*01+;*,=3,Aortic 1oot Diameter)mage&ode Q 5;0364,S1H,& &ode
Ao Arch DiamD2DE	1*011;7,=3,Aortic Arch Diameter)mage&ode Q 5;03A2,S1H,2D mode
Ao Arch DiamD&E	1*011;7,=3,Aortic Arch Diameter)mage&ode Q 5;0364,S1H,& &ode
Ao A.c DiamD2DE	1*012;+,=3,A.cending Aortic Diameter)mage&ode Q 5;03A2,S1H,2D mode
Ao A.c DiamD&E	1*012;+,=3,A.cending Aortic Diameter)mage&ode Q 5;0364,S1H,& &ode
Ao).thmu.D2DE	1*014;1,=3,Aortic).thmu. Diameter)mage&ode Q 5;03A2,S1H,2D mode
Ao).thmu.D&E	1*014;1,=3,Aortic).thmu. Diameter)mage&ode Q 5;0364,S1H,& &ode

Ao Desc Diam D2DE	1*013;3,=3, Descending Aortic Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
Ao Desc Diam D&E	1*013;3,=3, Descending Aortic Diameter	Image & Mode Q 5:0364, S1H, & Mode
Ao Int Junc D2DE	& 12212;01, & 1 #S, Aortic Sinus Junction Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
Ao Int Junc D&E	& 12212;01, & 1 #S, Aortic Sinus Junction Diameter	Image & Mode Q 5:0364, S1H, & Mode
Ao Sinu. Diam D2DE	& 12212;02, & 1 #S, Aortic Sinu. Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
Ao Sinu. Diam D&E	& 12212;02, & 1 #S, Aortic Sinu. Diameter	Image & Mode Q 5:0364, S1H, & Mode
Duct Art Diam	& 12212;03, & 1 #S, Ductu. Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
-re Ducta'	& 12212;04, & 1 #S, -re Ducta' Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
=CA	& 12212;05, & 1 #S, Left Coronar(Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
1 CA	& 12212;06, & 1 #S, Right Coronar(Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
AAo , ma7	11726;7,=3, -ea9 , e'ocit(
DAo , ma7	11726;7,=3, -ea9 , e'ocit(
AAo - 5 ma7	20247;3,=3, -ea9 5 radient	
DAo - 5 ma7	20247;3,=3, -ea9 5 radient	

9.4 . " . P) (, on \$r+ Arter+ Me \$s) re , en&s

& - A Diam D2DE	1*020;*,=3, & ain -u'monar(Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
& - A Diam D&E	1*020;*,=3, & ain -u'monar(Arter(Diameter	Image & Mode Q 5:0364, S1H, & Mode
1 - A Diam D2DE	1*021;6,=3, 1 ight -u'monar(Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
1 - A Diam D&E	1*021;6,=3, 1 ight -u'monar(Arter(Diameter	Image & Mode Q 5:0364, S1H, & Mode
= - A Diam D2DE	1*016;0,=3, =eft -u'monar(Arter(Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
= - A Diam D&E	1*016;0,=3, =eft -u'monar(Arter(Diameter	Image & Mode Q 5:0364, S1H, & Mode
& - A , ma7	5;03*A, S1H, & ain -u'monar(Arter(-ea9 , e'ocit(
-o.t Ducta'	& 12210;01, & 1 #S, -o.terior ducta' Diameter	Image & Mode Q 5:03A2, S1H, 2D mode
-A2D-	C12210;01, & 1 #S, -u'monar(Arter(2nd Dia.to'ic -re. .ure	
= - A , ma7	11726;7,=3, -ea9 , e'ocit(
1 - A , ma7	11726;7,=3, -ea9 , e'ocit(
& - A - 5 ma7	20247;3,=3, -ea9 5 radient	
= - A - 5 ma7	20247;3,=3, -ea9 5 radient	
1 - A - 5 ma7	20247;3,=3, -ea9 5 radient	

9.4.1. Venous Measurement

Measurement Mode	Parameter	Measurement Method
), C Diameter (n) SE	1*006;7,=3,)nferior , ena Ca0a Diameter	1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration)mage&ode Q5;03A2,S1H,2D mode
), C Diameter 27\$irE	1*006;7,=3,)nferior , ena Ca0a Diameter	1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration)mage&ode Q5;03A2,S1H,2D mode
S, C Diameter (n) SE	&1221+;01,& 1 #S,Su\$erior , ena Ca0a Diameter	1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration)mage&ode Q5;03A2,S1H,2D mode
S, C Diameter 27\$irE	&1221+;01,& 1 #S,Su\$erior , ena Ca0a Diameter	1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration)mage&ode Q5;03A2,S1H,2D mode
), C , e'D (n) SE	&1221+;02,& 1 #S,)nferior , ena Ca0a , e'ocit(1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration
), C , e'D 27\$irE	&1221+;02,& 1 #S,)nferior , ena Ca0a , e'ocit(1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration
S, C , e'D (n) SE	&1221+;03,& 1 #S,Su\$erior , ena Ca0a , e'ocit(1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration
S, C , e'D 27\$irE	&1221+;03,& 1 #S,Su\$erior , ena Ca0a , e'ocit(1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration
), C (n) \$iration - 5	C1221+;01,& 1 #S,)nferior , ena Ca0a -re..ure 5 radient	1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration
), C 27\$iration - 5	C1221+;01,& 1 #S,)nferior , ena Ca0a -re..ure 5 radient	1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration
S, C (n) \$iration - 5	C1221+;02,& 1 #S,Su\$erior , ena Ca0a -re..ure 5 radient	1e.\$irator(C(c'e-ointQ!;20010,S1H, During)n.\$iration
S, C 27\$iration - 5	C1221+;02,& 1 #S,Su\$erior , ena Ca0a -re..ure 5 radient	1e.\$irator(C(c'e-ointQ!;20020,S1H, During 27\$iration

9.4.2. Pulsation Measurement

Measurement Mode	Parameter	Measurement Method
- , ein A Dur	5;03*4,S1H,-u'monar(, ein A; 8 a0e Duration	
- , ein D , H)	5;03*D,S1H,-u'monar(, ein D; 8 a0e , e'ocit(Hime)ntegra'	
- , ein S , H)	5;03*C,S1H,-u'monar(, ein S; 8 a0e , e'ocit(Hime)ntegra'	
- , ein S , e'	&12214;01,& 1 #S,-u'monar(, ein S Ba0e f'oB , e'ocit(

- , ein D , e'	&12214;02,&1 #S,-u'monar(, ein D;Ba0e f'oB , e'ocit(
- , ein A , e'	&12214;03,&1 #S,-u'monar(, ein A;Ba0e f'oB , e'ocit(
- , ein DecH	&12214;04,&1 #S,-u'monar(, ein Dece'eration Hime	
- , ein S/D	&12214;0+,&1 #S,-u'monar(, ein Ratio of S; 8 a0e 0e'ocit(to D;Ba0e 0e'ocit(
- , ein S!	&12214;06,&1 #S,-u'monar(, ein S(.to'ic fraction	

9.4 .":. C\$r*i\$' S=)n& S&) * + Me\$s)re , en&s

: \$/ : .	26462;6,=3,-u'monar(;to;S(.temic Shunt !'oB Ratio	
: \$; : .	&12217;01,&1 #S,-u'monar(;:u";S(.temic Shunt !'oB Difference	
- , C1D: \$/ : .E	**67;4,=3,Ceart rate	
A , C1D: \$/ : .E	**67;4,=3,Ceart rate	
- , S , D: \$/ : .E	!;32120,S1H,Stro9e , o'ume	
- , COD: \$/ : .E	!;32100,S1H,Cardiac Out\$ut	
A , S , D: \$/ : .E	!;32120,S1H,Stro9e , o'ume	
A , COD: \$/ : .E	!;32100,S1H,Cardiac Out\$ut	

9.4 ."4. Con%eni&\$ (Ano , \$(+ o- C\$r*io.\$s') (\$r S+s&e , Me\$s)re , en&s

- DA Diam	&1221*;01,&1 #S,-atent Ductu. Arterio.u. Diameter)mage&ode Q5;03A2,S1H,2D mode
- IO Diam	&1221*;02,&1 #S,-atent !oramen O0a'e Diameter)mage&ode Q5;03A2,S1H,2D mode
- DA , e'D.E	&1221*;03,&1 #S,-atent Ductu. Arterio.u. Dia.to'ic , e'ocit(
- DA , e'D.E	&1221*;04,&1 #S,-atent Ductu. Arterio.u. S(.to'ic , e'ocit(
Coarc -re;Duct	&1221*;0+,&1 #S,Coarctation of -re;Ductu. , e'ocit(
Coarc -o.t;Duct	&1221*;06,&1 #S,Coarctation of -o.t;Ductu. , e'ocit(
- DA Dia. -5	&1221*;07,&1 #S,-atent Ductu. Arterio.u. Dia.to'ic -re..ure 5radient	
- DA S(. -5	&1221*;0*,&1 #S,-atent Ductu. Arterio.u. S(.to'ic -re..ure 5radient	

C15i".on.2D	**67;4 =3 Ceart rate	ðodQ , & 1222*;03,& 1 #S,5i".on
C15i".on.&	**67;4 =3 Ceart rate	ðodQ , & 1222*;03,& 1 #S,5i".on

C. A Structured Reporting Template

This table lists the DICOM Structured Reporting tags used in the

7as+ 'lar Str ' +t' red Re: *rts *4 'ltras* 'nd syste2 SR files%

The tags are organized in a manner similar to the DICOM SR templates as described in DICOM Standard. The 7as+ 'lar Re: *rt 2a: :ings 4*ll* ; the DICOM SR template ID /100F 7as+ 'lar =ltras* 'nd ,r*+ed're Re: *rt& eJ+e:t ; here n*ted%

All private values use the " "ding S+he2e Designat* r RMR=SR%

C. " .TID 3A" 4 VS')(\$r U(&\$so) * Re8or&

This is the template for the content tree for the 7as+ 'lar 'ltras* 'nd :r*+ed're re: *rt%

	N L	Rel with Parent	VT	Concept Name	Used in MODAL ITY	Value Set Constraint	Comment
1			CO3HA)321	2, D12+100, DC&, L, a.cu'ar # 'tra.ound -rocedure 1eSortME			
2	0	CAS O4S CO3H2?H	COD2	2, D1;40!4*, S1H, LHem\$ora' \$eriod. 1e'ating to -rocedureME		DC)D D12102E Hem\$ora' -eriod. 1e'ating Ho -rocedure or Hhera\$(
3	0	CAS CO3C2-H &OD)3C=#D2	DH)D D1204E =anguage of Content)tem and De.cendant.			
4	0	CAS O4S CO3H2?H)3C=#D2	DH)D D1001E O".er0ation Conte7t			
+	0	CO3HA)3S)3C=#D2	DH)D D+101E , a.cu'ar -atient Characteri.tic.			
6	0	CO3HA)3S	CO3HA)321	2, D11102*, DC&,			

6	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;40+01, S1H, M4'ood , e..e' of CeadME VSection=atera'it(Q 2 , D5;A101, S1H, M=eftME VAnatom(Q DC)D D1210+E)ntracrania' Cere"ra' , e..e'.
10	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;40+01, S1H, M4'ood , e..e' of CeadME VSection=atera'it(Q 2 , D5;A100, S1H, M1ightME VAnatom(Q DC)D D1210+E)ntracrania' Cere"ra' , e..e'.
11	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;40+01, S1H, M4'ood , e..e' of CeadME VSection=atera'it(Q 2 , D5;A103, S1H, M#ni'atera'ME VAnatom(Q DC)D D12106E)ntracrania' Cere"ra' , e..e'. Duni'atera'E
12	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;4+00+, S1H, MArter(of nec9ME VSection=atera'it(Q 2 , D5;A101, S1H, M=eftME VAnatom(Q DC)D D12104E 27tracrania' Arterie. VAnatom(1atio Q DC)D D12123E Carotid 1atio.

13	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;4+00+, S1H, MArter(of nec9ME VSection=atera'it(Q 2 , D5 ;A100, S1H, M1ightME VAnatom(Q DC)D D12104E 27tracrania' Arterie. VAnatom(1atio Q DC)D D12123E Carotid 1atio.
14	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;47040, S1H, MArter(of =oBer 27tremitt(ME VSection=atera'it(Q 2 , D5 ;A101, S1H, M=eftME VAnatom(Q DC)D D12106E =oBer 27tremitt(Arterie. VAnatom(1atio Q *+*1;1,=3,Hi"ia/"rachi a' inde7
1+	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;47040, S1H, MArter(of =oBer 27tremitt(ME VSection=atera'it(Q 2 , D5 ;A100, S1H, M1ightME VAnatom(Q DC)D D12106E =oBer 27tremitt(Arterie. VAnatom(1atio Q *+*1;1,=3,Hi"ia/"rachi a' inde7
16	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;46403, S1H, M , ein of =oBer 27tremitt(ME VSection=atera'it(Q 2 , D5 ;A101, S1H, M=eftME VAnatom(Q DC)D D12110E =oBer 27tremitt(, ein.

17	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;46403, S1H, M, ein of =oBer 27tremi(ME VSection=atera'it(Q 2 , D5;A100, S1H, M1ightME VAnatom(Q DC)D D12110E =oBer 27tremi(, ein.
1*	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;47020, S1H, MArter(Of #\$\$Ser 27tremi(ME VSection=atera'it(Q 2 , D5;A101, S1H, M=eftME VAnatom(Q DC)D D12107E #\$\$Ser 27tremi(Arterie.
16	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;47020, S1H, MArter(Of #\$\$Ser 27tremi(ME VSection=atera'it(Q 2 , D5;A100, S1H, M1ightME VAnatom(Q DC)D D12107E #\$\$Ser 27tremi(Arterie.
20	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar #'tra.ound Section	VSectionSco\$e Q DH DH;47020, S1H, MArter(Of #\$\$Ser 27tremi(ME VSection=atera'it(Q 2 , D5;A100, S1H, M #ni'atera'ME VAnatom(Q DC)D D12107E #\$\$Ser 27tremi(Arterie.Duni'atera'E

2+	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar # 'tra.ound Section	VSectionSco\$e Q DH DH;46002, S1H, MArter(of A "domenME VSection=atera'it(Q 2 , D5;A103, S1H, M#ni'atera'ME VAnatom(Q DC)D D12112E A "domina' Arterie. Duni'atera'E
26	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar # 'tra.ound Section	VSectionSco\$e Q DH DH;4*7A0, S1H, M , ein of A "domenME VSection=atera'it(Q 2 , D5;A101, S1H, M=eftME VAnatom(Q DC)D D12113E A "domina' , ein. D'atera'E
27	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar # 'tra.ound Section	VSectionSco\$e Q DH DH;4*7A0, S1H, M , ein of A "domenME VSection=atera'it(Q 2 , D5;A100, S1H, M ightME VAnatom(Q DC)D D12113E A "domina' , ein. D'atera'E
2*	0	CO3HA)3S)3C=#D2	DH)D D+103E , a.cu'ar # 'tra.ound Section	VSectionSco\$e Q DH DH;4*7A0, S1H, M , ein of A "domenME VSection=atera'it(Q 2 , D5;A103, S1H, M#ni'atera'ME VAnatom(Q DC)D D12114E A "domina' , ein. Duni'atera'E

4	0	CAS O4S CO3H2 ?H	COD2	2, D121010,DC&, L -er.on O".erOerP. lo'e in the OrganiKationME		D121063, DC&, WSonograSherWE	
+	0	CAS O4S CO3H2 ?H	COD2	2, D121024, DC&, WSu"lect C'a..ME		D12102+, DC&, W-atientME	
6	0	CAS O4S CO3H2 ?H	-3A&2	2, D121026,DC&, WSu"lect 3ameME		Oa'ue of -atientP. 3ame D0010,0010E in -atient &odu'e	
7	0	CAS O4S CO3H2 ?H	DAH2	2, D121031,DC&, WSu"lect 4irth DateME		Oa'ue of -atientP. 4irth Date D0010,0030E in -atient &odu'e	
*	0	CAS O4S CO3H2 ?H	COD2	2, D121032,DC&, WSu"lect Se7ME		Oa'ue eAuiOa'ent to -atientP. Se7 D0010,0040E in -atient &odu'e	
6	0	CAS O4S CO3H2 ?H	3 #&	2, D121033,DC&, WSu"lect AgeME		Oa'ue of -atientP. Age D0010,1010E in -atient Stud(&odu'e	

C.:. TID 3A" "4 V\$s ')(\$r P\$&ien& C=\$r\$' &eris&i 's

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Value Set Constraint	Comment
1			CO3H A)3 2 1	2, D12111*, DC&, L-atient Characteri.tic.ME			
2	0	CO3HA)3S	3 #&	2, D121033, DC&, WSu"lect AgeME		#nit. Q DC)D D74+6E #nit. of &ea.ure for Age	
3	0	CO3HA)3S	COD2	2, D121032, DC&, WSu"lect Se7ME		DC)D D74++E Se7	
4	0	CO3HA)3S	3 #&	2, D**67;4, =3, LCeart l ateME			
+	0	CO3HA)3S	3 #&	2, D!;00*2C, S1H, LS(.to'ic 4'ood -re..ureME			

6	0	CO3HA)3S	3 # &	2, D!;00*2D, S1H, WDia.to'ic 4'ood -re..ureWE			
---	---	----------	-------	---	--	--	--

C.4. TID 3A" !4 V\$s ')(\$r Pro'e*)re S) , , \$r+ Se'&ion

16	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
17	0	CO3HA)3S	CO3HA)3 2 1	DH;4+160,S1H,Carotid 4 ifurcationE			
1*	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;01, & 1 #S, - 'aAue De.cri\$tionE			
16	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
20	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
21	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;02, & 1 #S, - 'aAue AreaE			
22	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
23	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
24	0	CO3HA)3S	CO3HA)3 2 1	DH;4+300, S1H,)nterna' Carotid Arter(E)CA
2+	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;01, & 1 #S, - 'aAue De.cri\$tionE			
26	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
27	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
2*	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;02, & 1 #S, - 'aAue AreaE			
26	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
30	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
31	0	CO3HA)3S	CO3HA)3 2 1	DH;4+200,S1H,27terna' Carotid Arter(E			2CA
32	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;01, & 1 #S, - 'aAue De.cri\$tionE			
33	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
34	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
3+	00	CO3HA)3S	CO3HA)3 2 1	D! 5346+;02, & 1 #S, - 'aAue AreaE			
36	000	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
37	000	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
3*	0	CO3HA)3S	CO3HA)3 2 1	DH;4+700 ,S1H , , erte"ra' Arter(E			
36	00	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
40	00	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
41	0	CO3HA)3S	CO3HA)3 2 1	DH;46100,S1H,Su" c'a0ian			

				Arter(E			
42	00	CO3HA)3S	H2 ?H	D5 ;A100,S3 &3,1 ightE			
43	00	CO3HA)3S	H2 ?H	D5 ;A101,S3 &3,=effE			
44	0	CO3HA)3S	H2 ?H	DH;46010,S1H,4rachiocSha'ic trun9E			

C.A. TID 3A" :4 V\$s ')(\$r U(&r\$so)n* Se'&ion

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Value Set Constraint	Comment
1			CO3HA)321	DH D121070, DC&, L!inding.ME			
2	0	CAS CO3C2-H &OD	COD2	2, D5;C023, S1H, L!inding SiteME		VSectionSco\$e	
3	0	CAS CO3C2-H &OD	COD2	2, D5;C171, S1H, L=atera'it(ME		VSection=atera'it(
4	0	CO3HA)3S)3C=#D2	DH)D D+104E , a.cu'ar &ea.urement 5rou\$		VAnatom(5rou\$ Q VAnatom(Q DC)D D1210+E)ntracrania' Cere"ra' ,e..e'.	
+	0	CO3HA)3S)3C=#D2	DH)D D300E &ea.urement		V&ea.urement Q VAnatom(1atio	On'(for Arter(of nec9

C.B. TID 3A" 44 V\$s ')(\$r U(&r\$so)n* Me\$s)re , en& Gro)8

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Value Set Constraint	Comment
1			CO3HA)321	VAnatom(5rou\$	√		
2	0	CAS CO3C2-H &OD	COD2	2, D5;A1!*, S1H, LHo\$ogra\$hica'	√	DC)D D12116E ,e..e' Segment &odifier.	

				& modifier			
3	0	CAS CO3C2-H &OD	COD2	2, D12+101, DC&, L, e..e' 4 ranch ME		DC)D D12117E , e..e' 4 ranch & modifier.	
4	0	CO3HA)3S &OD)3C=#D2	DH)D D300E &ea.urement	√	V&ea.urement Q DC)D D12116E , a.cu'ar #'tra.ound -ro\$ert(VDeri0ation Q DC)D D3627E &ea.urement H(\$e	
+	00	CAS CO3C2-H &OD	COD2	2, D1;40*6A, S1H, LCardiac C(c'e -ointME		DC)D D12233E Cardiac -ha.e	
6	00	CAS CO3C2-H &OD	COD2	2, D1;41!!C, S1H, LHeM\$ora' \$eriod re'ated to eatingME		DH D5;A461, S1H, W-o.t;\$randia'WE	

C.D. CID 3"! " 44 E<&r\$'r\$ni\$(Ar&eries

CSD	CV	Code Meaning
S1H	H;4+170	Carotid 4u''
S1H	H;4+100	Common Carotid Arter(
S1H	H;4+200	27terna' Carotid Arter(
S1H	H;4+300)nterna' Carotid Arter(
S1H	H;46100	Su''c'a0ian Arter(
S1H	H;4+700	, erte''ra' Arter(

C.8. CID 3"! " A4 In&r\$'r\$ni\$(Cere0r\$(Vesse(s

CSD	CV	Code Meaning
S1H	H;4++40	Anterior Cere''ra' Arter(
S1H	H;4+600	&idd'e Cere''ra' Arter(
S1H	H;4+600	-o.terior Cere''ra' Arter(
S1H	H;4+320	-o.terior Communicating Arter(

C.#. CID 3"! " B4 In&r\$' r\$ni\$(Cere0r\$(Vesse(s 3) ni(\$&er\$(4

CSD	CV	Code Meaning
S1H	H;4+*00	4a.i'ar Arter(
S1H	H;4++30	Anterior Communicating Arter(
& 1 #S	, 12106;01	4a.i'ar , ein

C." . CID 3"! " D4 U88er E<&re , i&+ Ar&eries

CSD	CV	Code Meaning
S1H	H;47100	A7i''ar(Arter(
S1H	H;47160	4rachia' Arter(
S1H	H;47300	1adia' Arter(
S1H	H;46100	Su" c'a0ian Arter(
S1H	H;47200	# 'nar Arter(

C."" . CID 3SELF CID-!4 U88er E<&re , i&+ Ar&eries3) ni(\$&er\$(4

CSD	CV	Code Meaning
S1H	H;46010)nnominate Arter(

C."!. CID 3"! " 84 U88er E<&re , i&+ Veins

CSD	CV	Code Meaning
S1H	H;46110	A7i''ar(0ein
S1H	H;4*0+2	4a.i'ic 0ein
S1H	H;463+0	4rachia' 0ein
S1H	H;46240	Ce\$ha'ic 0ein
S1H	H;46340	1adia' 0ein
S1H	H;4*330	Su" c'a0ian 0ein
S1H	H;46330	# 'nar 0ein

C.":. CID 3"! " #4 Lo / er E<&re , i&+ Ar&eries

CSD	CV	Code Meaning
S1H	H;46710	Common)'iac Arter(
S1H	H;47700	Anterior Hi"ia' Arter(
S1H	H;47400	Common !emora' Arter(

CSD	CV	Code Meaning
S1H	H;47741	Dorsal Artery
S1H	H;46610	27th Artery
S1H	H;46740	Internal Artery
S1H	H;47630	Artery
S1H	H;47+00	Artery
S1H	H;47600	Anterior Artery
S1H	H;47440	Deep Artery
S1H	H;47403	Superficial Artery
& 1 #S	, 12106;01	H- Artery

C.4. CID 3 " " 4 Lo / er E & re , i & + Veins

CSD	CV	Code Meaning
S1H	H;46630	Anterior Artery
S1H	5;03+4	Common Artery
S1H	H;4*620	Common Artery
S1H	H;4*630	27th Artery
S1H	H;4642D	5a. trocnemiu. 0ein
S1H	H;46+30	5reat Sa\$henou. , ein
S1H	H;46++0	=e. .er Sa\$henou. , ein
S1H	H;466+0	-eronea' , ein
S1H	H;46640	-o\$'itea' , ein
S1H	H;46620	-o.terior Hi"ia' , ein
S1H	H;46660	-rofunda !emori. , ein
S1H	5;0364	So'ea' 0ein
S1H	5;03+A	Su\$erficia' !emora' , ein
S1H	H;4*640)nterna' i'iac 0ein
S1H	H;46410	!emora' 0ein
& 1 #S	, 12110;01	H- Hrun9 , ein

C.A. CID 3 " " ! 4 A 0 * o , in \$(Arteries 3) ni \$(& er \$(4

CSD	CV	Code Meaning
S1H	H;42000	Aorta
S1H	H;46400	Ce'iac A7i.

CSD	CV	Code Meaning
S1H	H;46421	Common Celiac Artery
S1H	H;46422	Right Celiac Artery
S1H	H;46460	Superior Mesenteric Artery
S1H	H;46+10	Superior Mesenteric Artery

C."B. CID 3"!""44 A0*o, in\$(Veins 3)ni(\$&er\$(4

CSD	CV	Code Meaning
S1H	H;4*720	Celiac Vein
S1H	H;4*727	Left Celiac Vein
S1H	H;4*72+	Right Celiac Vein
S1H	H;4*726	Double Celiac Vein
S1H	H;4**10	Porta Vein
S1H	H;4*710	Inferior Vena Cava
S1H	H;4**60	Mesenteric Vein
S1H	H;4**40	Superior Mesenteric Vein
& 1#S	, 12114;01	Main Porta Vein

C."D. CID 3"!""A4 Ren\$(Vesse(s

CSD	CV	Code Meaning
S1H	H;46600	Renal Artery
S1H	H;4*740	Renal Vein
S1H	H;466+6	Segmental Artery
S1H	H;466*A	Arcuate Artery (of the Kidney)
S1H	H;4667D	Interlobar Artery (of the Kidney)
& 1#S	, 1211+;01	Main Renal Artery

C."8. CID 3"!""B4 Vesse(Se%, en& Mo*i-iers

CSD	CV	Code Meaning
S1H	5;A116	Duct
S1H	5;A1**	Idiopathic
S1H	5;036A	Origin of Duct
S1H	5;A11*	Primary
S1H	1;102+4	Dilated Portion of Segment

C.1.1. DICOM Conventions

C.1.1.1. DICOM Conventions

C.1.1.1.1. DICOM Conventions

[, a. cu'ature Anatomic =ocation0 2D	116+3;3, =3, 2nd Dia. to'ic , e'ocit(
[, a. cu'ature Anatomic =ocation0 &D	1166+;7, =3, &inimum Dia. to'ic , e'ocit(
[, a. cu'ature Anatomic =ocation0 -S	11726;7, =3, -ea9 S(. to'ic , e'ocit(
[, a. cu'ature Anatomic =ocation0 HA&2A3	203+2;1, =3, Hime a0eraged mean 0e'ocit(
[, a. cu'ature Anatomic =ocation0 HA&A?	11662;1, =3, Hime a0eraged \$ea9 0e'ocit(
[, a. cu'ature Anatomic =ocation0 - ,	11726;7, =3, -ea9 , e'ocit(
[, a. cu'ature Anatomic =ocation0 -)	1200*;6, =3, -u'. ati'it()nde7
[, a. cu'ature Anatomic =ocation0 1)	12023*; , =3, 1e. i. ti0it()nde7
[, a. cu'ature Anatomic =ocation0 S/D	12144;2, =3, S(. to'ic to Dia. to'ic , e'ocit(1atio
[, a. cu'ature Anatomic =ocation0 D/S	&12116;04, & 1 #S, Dia. to'ic to S(. to'ic , e'ocit(1atio
[, a. cu'ature Anatomic =ocation0 AH	2016*;1, =3, Acce'eration Hime
[, a. cu'ature Anatomic =ocation0 DH	20217;6, =3, Dece'eration Hime
[, a. cu'ature Anatomic =ocation0 - - 5	20247;3, =3, -ea9 5radient
[, a. cu'ature Anatomic =ocation0 & - 5	202+6;4, =3, &ean 5radient
[, a. cu'ature Anatomic =ocation0 && - 5	&12116;01, & 1 #S, &ean , e'ocit(&ean -re. ure 5radient
[, a. cu'ature Anatomic =ocation0 , H)	&12116;02, & 1 #S, , e'ocit(;Hime)ntegra'
[, a. cu'ature Anatomic =ocation0 C1	**67;4, =3, Ceart 1ate
[, a. cu'ature Anatomic =ocation0 \	&12116;03, & 1 #S, Ang'e
[, a. cu'ature Anatomic =ocation0 , D	1;102+C, S1H, , e..e')ntima' Diameter
[, a. cu'ature Anatomic =ocation0 , o' ! 'oB	&12116;06, & 1 #S, , o' ! 'oB)HA&A?E
[, a. cu'ature Anatomic =ocation0 , o' ! 'oB. HA&2A3	&12116;07, & 1 #S, , o' ! 'oB)HA&2A3E

C.1.1.2. DICOM Conventions

4u''	H;4+170,S1H,Carotid 4u''
CCA	H;4+100,S1H,Common Carotid Arter(
2CA	H;4+200,S1H,2terna' Carotid Arter(
)CA	H;4+300,S1H,)nterna' Carotid Arter(
Su''c'a0 A	H;46100,S1H,Su''c'a0ian Arter(
,ert A	H;4+700,S1H, ,erte''ra' Arter(

#nar ,	H;46330,S1H,#'nar 0ein
--------	------------------------

C."#.8. Lo / er E<re , i&+ Ar&eries

C.)'iac A	H;46710,S1H,Common)'iac Arter(
A.Hi" A	H;47700,S1H ,Anterior Hi"ia' Arter(
C!A	H;47400,S1H ,Common !emora' Arter(
Dor...-ed A	H;47741,S1H,Dor.a'i. -edi. Arter(
27.)'iac A	H;46610,S1H ,27terna')'iac Arter(
))A	H;46740,S1H ,)nterna')'iac Arter(
-eronea' A	H;47630,S1H , -eronea' Arter(
-o\$ A	H;47+00,S1H , -o\$'itea' Arter(
-.Hi" A	H;47600,S1H , -o.terior Hi"ia' Arter(
-!A	H;47440,S1H , -rofunda !emori. Arter(
S!A	H;47403 ,S1H ,Su\$erficia' !emora' Arter(
H- Hrun9 A	, 12106;01,& 1 #S,H- Hrun9 Arter(

C."#.#. Lo / er E<re , i&+ Veins

A.Hi" ,	H;46630,S1H,Anterior Hi"ia' , ein
C! ,	5;03+4,S1H,Common !emora' , ein
C.)'iac ,	H;4*620,S1H,Common)'iac , ein
27.)'iac ,	H;4*630,S1H,27terna')'iac , ein
Sura' ,	H;4642D,S1H,5a.trocnemiu. 0ein
Sa\$h ,	H;46+30,S1H,5reat Sa\$henou. , ein
SS ,	H;46++0,S1H,=e..er Sa\$henou. , ein
-eronea' ,	H;466+0,S1H, -eronea' , ein
-o\$,	H;46640,S1H, -o\$'itea' , ein
-.Hi" ,	H;46620,S1H, -o.terior Hi"ia' , ein
-! ,	H;46660,S1H, -rofunda !emori. , ein
So'ea' ,	5;0364,S1H,So'ea' 0ein
S! ,	5;03+A,S1H,Su\$erficia' !emora' , ein
)),	H;4*640,S1H,)nterna' i'iac 0ein
!emora' ,	H;46410,S1H,!emora' 0ein
H- Hrun9 ,	, 12110;01,& 1 #S,H- Hrun9 , ein

C.#. " . A0*o , in\$(Arteries 3) ni(\$er\$(4

A"domina' Aorta	H;42000,S1H,Aorta
Ce'iac A7i.	H;46400,S1H,Ce'iac A7i.
C Ce\$atic A	H;46421,S1H,Common Ce\$atic Arter(
Ce\$atic A	H;46422,S1H,-ro\$er Ce\$atic Arter(
SS'enic A	H;46460,S1H,SS'enic Arter(
S&A	H;46+10,S1H,Su\$erior &e.enteric Arter(

C.#. " ". A0*o , in\$(Veins 3) ni(\$er\$(4

Ce\$atic ,	H;4*720,S1H,Ce\$atic , ein
=eft Ce\$atic ,	H;4*727,S1H,=eft Ce\$atic , ein
I ight Ce\$atic ,	H;4*72+,S1H,I ight Ce\$atic , ein
& Ce\$atic ,	H;4*726,S1H,&idd'e Ce\$atic , ein
-orta' ,	H;4**10,S1H,-orta' , ein
), C	H;4*710,S1H,)nferior , ena Ca0a
SS'enic ,	H;4**60,S1H,SS'enic , ein
S& ,	H;4**40,S1H,Su\$erior &e.enteric , ein
& -orta' ,	, 12114;01,& 1 #S,&ain -orta' , ein

C.#. " !. Ren\$(Vesse(s

I en A Org	H;46600,S1H,I ena' Arter(
I ena' A	H;46600,S1H,I ena' Arter(
I ena' ,	H;4*740,S1H,I ena' , ein
Segment A	H;466+6, S1H, Segmenta' Arter(

D. Appendix 7: Structured Reporting Template

This appendix lists the DICOM Structured Reporting Templates used in the Reast Structured Reporting System files.

The Templates are organized in a manner similar to the DICOM SR Templates as described in DICOM Standard. The Reast Reporting Templates; the DICOM SR Template ID 4200F Reast Imaging Reporting; hereinafter.

All private values use the naming Scheme Designator RMR=SR.

D.1. TID 4: Line Items, and Text, 8.1

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			3#&	DC/D 07470E L=inear &ea.urement.M			#3)HS Q DC/D07460E L#nit. of =inear &ea.urementM
2	0)3!2112D !1O&	SCOO1D	2, D1210+,DC&, L-athME			
3	00	1;S2=2CH 2D !1O&)&A52				
4	00	S2=2CH2D !1O&)&A52				
+	0)3!2112D !1O&	SCOO1D	2, D121230, DC&, L-ath ,erte7ME			
6	00	1;S2=2CH 2D !1O&)&A52				
7	00	S2=2CH2D !1O&)&A52				

D.1.1. TID 34: 49 REAST IMAGING REPORT

This is the Template for the Reast Reporting Tree for the Reast Structured Reporting System.

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)32 1	2, D111400, DC&, M4rea.t)maging leSortME	√		
2	0	CAS)3C=#D2	DH)D 01204E =anguage of	√		

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
		CO3C2-H &OD		Content Item and Descendant.			
3	0	CO3HA)3S)3C=#D2	DH)D D420E 4rea.t)maging 1e\$ort 3arrati0e	√		
4	0	CO3HA)3S	CO3HA)32 1	DH D11102*, DC&, L)mage =i"rar(ME	√		
+	00	CO3HA)3S)&A52	3o \$ur\$e.e of reference	√		
6	0	CO3HA)3S)3C=#D2	DH)D DS2=!H& -;3E 4 1 2ASH)&A5)3 5 S#&&A/	√		
7	0	CO3HA)3S)3C=#D2	DH)D D420*E 4rea.t)maging 1e\$ort Su\$'ementar(Data	√		
*	0	CO3HA)3S	H2 ?H	D20121120,& 1 #S,M.e'f;de fined;mea.urementfi'eME	√		

D.1. TID 34! "4 9 REAST IMAGING PROCEDURE REPORTED

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			COD2	2 , D1210+*, DC&, M-rocedure re\$ortedME	√		DC)D D60+0E 4rea.t -rocedure 1e\$orted
2	0	CAS CO3C2-H &OD	COD2	2 , D111464, DC&, L-rocedure &odifierME			DC)D D60+*E -rocedure &odifier. for 4rea.t
3	0	CAS CO3C2-H &OD	COD2	2 , D5;C171, S1H, M=atera'it(ME	√		DC)D D6022E Side
4	0	CAS -1O-21H)2S	COD2	2 , D111401, DC&, M1ea.on for \$rocedureME			DC)D D60+1E 4rea.t -rocedure 1ea.on
+	00	CAS CO3C2-H &OD	COD2	2 , D5;D706, S1H, L1e'ati0e timeME			DC)D D12102E Hem\$ora' -eriod. 1e'ating Ho -rocedure or Hhera\$(
6	00	CAS CO3C2-H &OD	COD2	2 , D111402, DC&, MC'inica' !indingME)! roB 4 0a'ue i. LC'inica' !indingM	DC)D D60++E 4rea.t C'inica' !inding or)ndicated -ro"em
7	000	CAS -1O-21H)2S	COD2	2 , D5;C171, S1H, M=atera'it(ME			DC)D D6022E Side

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
*	0	CAS-10-21H)2S	DAH2	2, D111060, DC&, MStud(DateME			

D.4. TID 34! !4 9 REAST IMAGING REPORT NARRATIVE

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D111412, DC&, L3arrati0e Summar(M	√		
2	0	CO3HA)3S	CO3HA)321	4C)D D60+2E 4rea.t)maging 1e\$ort Section Hit'e	√		
3	00	CAS O4S CO3H2 ?H)3C=#D2	DH)D D1002E O".er0er Conte7t	√		
4	00	CO3HA)3S	H2 ?H	4C)D D60+3E 4rea.t)maging 1e\$ort 2'ement.	√		DC& 1210+* -rocedure re\$orted
+	000)3 !2112D !1O&)3C=#D2	DH)D D3+0E 1eference. to Su\$\$orting 20idence			

D.A. TID 3SELFTMP-:4 9 REAST IMAGING SUMMAY

This is a private test: late referenced by SID>4200?

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA) 321	2, D121111, DC&, WSummar(WE	√		
2	0	CO3HA)3 S	H2 ?H	2, D121106, DC&, WCommentWE	√		
3	0	CO3HA)3 S	H2 ?H	2, D)12101;01, &1 #S, M -rimar()ndication.ME	√		
4	0	CO3HA)3 S	H2 ?H	2, D)12101;02, &1 #S, M Secondar()ndication.ME	√		
+	0	CO3HA)3 S	H2 ?H	2, D)12101;03, &1 #S, M C-H4 CodeME	√		
6	0	CO3HA)3 S	H2 ?H	2, D)12101;04, &1 #S, M C-H4 De.cri\$tionME	√		
7	0	CO3HA)3 S	H2 ?H	2, D121106, &1 #S, M CommentME	√		

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
*	0	CO3HA)3S	H2 ?H	2, D)12101;0+, & 1 #S, M -rom\$tME	√		
6	0	CO3HA)3S	H2 ?H	2, D121071, & 1 #S, M !inding.ME	√		

D.B.TID 34! B4 9REAST IMAGING REPORT FINDING SECTION

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D121070, DC&, M!inding.ME	√		
2	0	CAS O4S CO3H2 ?H)3C=#D2	DH)D D1002E O".er0er Conte7t			
3	0	CO3HA)3S)3C=#D2	DH)D D4201E 4rea.t)maging -rocedure le\$orted	√		
4	0	CO3HA)3S	COD2	DH)D DS2=!H&-;4E 412ASH)&A5)35 &ASS !)3D)35	√(10 findings)		
+	0	CO3HA)3S)3C=#D2	2, DH6006;11, & 1 #S, M =(m\$h 3ode.ME	√		
6	0	CO3HA)3S)3C=#D2	2, DH6006;13, & 1 #S, M A..e..mentME	√		

D.D.TID 34! 84 9REAST IMAGING REPORT SUPPLEMENTARY DATA

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1			CO3HA)321	2, D111414, DC&, L\$u\$\$'ementar(DataME	√		
2	0	CO3HA)3S)3C=#D2	DH)D D4201E 4rea.t)maging -rocedure le\$orted	√		
3	0	CO3HA)3S	COD2	2, D111403, DC&, M4a.e'ine .creening mammogramME			DC)D D230E /e.;3o
4	0	CO3HA)3S	COD2	2, D111404, DC&, M!ir.t			DC)D D230E

	NL	Rel Parent	with	VT	Concept Name	Used MODALITY	in	Condition	Value Constraint	Set
--	----	---------------	------	----	--------------	------------------	----	-----------	---------------------	-----

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
		3S	D2	&ea.urement Hem\$'ate			WW=engthWW V=atera'it(Q V=atera'it(VSection Q 6016W
3	0	CO3HA) 3S)3C=# D2	DH)D D1400E =inear &ea.urement Hem\$'ate	√		WW&ea.urement Q 5;A220, S1H, WW 8 idthWW V=atera'it(Q V=atera'it(VSection Q 6016W
4	0	CO3HA) 3S)3C=# D2	DH)D D1400E =inear &ea.urement Hem\$'ate	√		WW&ea.urement Q 121207, DC&, WWCeightWW V=atera'it(Q V=atera'it(VSection Q 6016W
+	0	CO3HA) 3S)3C=# D2	DH)D D1400E =inear &ea.urement Hem\$'ate	√		WW&ea.urement Q 121242, DC&, WWDi.tance from ni\$\$'eWW V=atera'it(Q V=atera'it(VSection Q 6016W
6	0	CO3HA) 3S)3C=# D2	DH)D D1400E =inear &ea.urement Hem\$'ate	√		WW&ea.urement Q 121243, DC&, WWDi.tance from .9inWW V=atera'it(Q V=atera'it(VSection Q 6016W

D." . TID 3SELFTMP-B4 9REAST MASS ANALYSIS

This is a private test: late referenced by \$ID >SE#@\$M, -4%

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
1	0	CO3HA)3S	H2?H	2, D&;020!6, S1H, M ShaSeME	√		
2	0	CO3HA)3S	H2?H	2, DH6006;1, & 1#S, M ContourU&arginME	√		
3	0	CO3HA)3S	H2?H	2, DH6006;2, & 1#S, M Ca\$.u'eME	√		
4	0	CO3HA)3S	H2?H	2, DH6006;3, & 1#S, M Ceight/ 8 idthME	√		
+	0	CO3HA)3S	H2?H	2, DH6006;4, & 1#S, M2cho)n. ideDto fatME	√		
6	0	CO3HA)3S	H2?H	2, DH6006;+, & 1#S, M-o.terior 2choME	√		
7	0	CO3HA)3S	H2?H	2, DH6006;14, & 1#S, M, a.cu'arit(ME	√		
*	0	CO3HA)3S	H2?H	2, DH6006;7, & 1#S, M Surrounding Hi..ueME	√		
6	0	CO3HA)3S	H2?H	2, DH6006;* , & 1#S, M2'a.ticit(ME	√		
10	0	CO3HA)3S	H2?H	2, DH6006;6, & 1#S, M Ca'cification .ME	√		

	NL	Rel with Parent	VT	Concept Name	Used in MODALITY	Condition	Value Set Constraint
11	0	CO3HA)3S	H2 ?H	2, DH6006;10, & 1 #S, M&u'ti\$'e Comogeneou. &a..e.ME	√		
12	0	CO3HA)3S	H2 ?H	2, DH6006;1+, & 1 #S, M1)ME	√		

D. " ". M88in% 0e&/ een Mo*\$(i&+ , e\$s)re , en&s \$n*

DICOM Con'e8&s.

D. " ". 9re\$s& Me\$s)re , en&s

&a.. =	5;A22A, S1H, =ength
&a.. 8	5;A220, S1H, 8 idth
&a.. C	121207, DC&, Ceight
&a.. 3i\$\$'e;&a.. Di.t	121242, DC&, Di.tance from ni\$\$'e
&a.. S9in;&a.. Di.t	121243, DC&, Di.tance from .9in
&a.. Sha\$e	&:020!6, S1H, Sha\$e
&a.. Contour U &argin	H6006;1, & 1 #S, ContourU&argin
&a.. Ca\$.u'e	H6006;2, & 1 #S, Ca\$.u'e
&a.. Ceight/ 8 idth	H6006;3, & 1 #S, Ceight/ 8 idth
&a.. 2cho)n.ide)to fatE	H6006;4, & 1 #S, 2cho)n.ide)to fatE
&a.. -o.terior 2cho	H6006;+, & 1 #S, -o.terior 2cho
&a.. ,a.cu'arit(H6006;14, & 1 #S, ,a.cu'arit(
&a.. Surrounding Hi..ue	H6006;7, & 1 #S, Surrounding Hi..ue
&a.. 2'a.ticit(H6006;*, & 1 #S, 2'a.ticit(
&a.. Ca'cification.	H6006;6, & 1 #S, Ca'cification.
&a.. &u'ti\$\$'e Comogeneou. &a..	H6006;10, & 1 #S, &u'ti\$\$'e Comogeneou. &a..e.
&a.. 1)	H6006;1+, & 1 #S, 1)

N*tef \$he 2aJi2 ' 2 *4 2 ass 4indings is 10%

