Device Interfaces 7.0 Service Update 1

Release Notes

Date	2020-09-15
Device Interface Version	7.0 SU1
Document version	1.0

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Introduction

This document describes the changes included in the **final release** of the ASCEND Device Interfaces version 7.0 Service Update 1. The changes described in this document are categorized as "features," "enhancements" or "resolved issues."

- **Features** - new capabilities that have been added that required changes to functional requirements of a knowledge base.

- **Enhancements** - incremental improvements that were made to the knowledge base but that still fit within the existing requirements for a feature or function.

- **Resolved Issues** - repairs to defects that resulted in the failure to meet existing stated or implied requirements.

Each table on the pages that follow includes:

- **ID** – a number that is assigned by ASCEND's internal tracking system, Helix ALM, which can be used to trace the item through its development history.

- **Description** – a description of the change that was made to either add, enhance or repair the respective feature, enhancement or bug.

The following device interfaces are included in the 7.0 SU1 release:

Device interface	Version	Comments
DICOM Echo	7.0.37.0	Release notes included below.
DICOM Vascular	7.0.28.0	Release notes included below.

DICOM Echo Device Interface

Released Files

Import.Echo.DICOM._7.0.37.0.cpkbDevice

Configuration – Echo – DICOM.docx

Interface overview – Echo – DICOM.docx

Echo.Adult.Measurements.xlsx

Echo.Peds.Measurements.xlsx

New Features

No new features have been added to the DICOM Echo device interface for this release.

Enhancements

The following enhancements have been made to the DICOM Echo device interface. A complete list of measurements supported by this interface is provided in Echo.Adult.Measurements.xlsx and Echo.Peds.Measurements.xlsx.

ID	Enhancement Description
16070 16706	Mappings have been added for the adult echo measurements supported in the 2020.Q1 and 2020.Q2 updates. The complete list of measurements can be found in **Table 1** following these release notes.
16071 16707	Mappings have been added for the pediatric echo measurements supported in the 2020.Q1 and 2020.Q2 updates. The complete list of measurements can be found in **Table 2** following these release notes.

Resolved Issues

There were no significant issues requiring resolution in this release.

Remaining Open Issues

The DICOM Echo device interface does not currently exhibit any new, significant, open issues or defects.

Compatibility

The DICOM Echo device interface version 7.0 is compatible with Knowledge Base 7.0, Report Wizard 7.0 and SRCT 7.0 and will not work with earlier versions.

Table 1 – Adult Echo Measurements, 16070, 16706

Imported measurement ID	ASCEND Label	CP Code
US.CA.2DCPA.RV.RVFAC	RV fx area change, A4C	100015
US.CA.P_CA_B_PERICARD.PE.DIAM_PE_PW.2D	Pericardial effusion dimens, posterior	61306
US.CA.P_CA_B_RV.RV.RVFAC.2D	RV fx area change, A4C	100015
US.CA.P_CA_B_TEICHHOLZ_2D.LV.THI_IVS.ED.2D.Psax	IVS thickness, ED, PSAX	225020
US.CA.P_CA_B_TEICHHOLZ_2D.LV.THI_PW.ED.2D.Psaxpap	LV PW thickness, ED, PSAX	225023
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.DOB10	Dobutamine, 10 µg/kg/min, Aortic mean gradient, S	221356, 221364, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.DOB15	Dobutamine, 15 µg/kg/min, Aortic mean gradient, S	221356, 221364, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.DOB20	Dobutamine, 20 µg/kg/min, Aortic mean gradient, S	221356, 221364, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.DOB5	Dobutamine, 5 µg/kg/min, Aortic mean gradient, S	221356, 221364, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.PeakStress	Peak stress, Aortic mean gradient, S	221352, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.PostStress	Recovery, Aortic mean gradient, S	221354, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.PMEAN.AntFlow.Rest	Rest, Aortic mean gradient, S	248566, 273830
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.DOB10	Dobutamine, 10 µg/kg/min, Aortic valve mean velocity, S	221356, 221364, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.DOB15	Dobutamine, 15 µg/kg/min, Aortic valve mean velocity, S	221356, 221364, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.DOB20	Dobutamine, 20 µg/kg/min, Aortic valve mean velocity, S	221356, 221364, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.DOB5	Dobutamine, 5 µg/kg/min, Aortic valve mean velocity, S	221356, 221364, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.PeakStress	Peak stress, Aortic valve mean velocity, S	221352, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.PostStress	Recovery, Aortic valve mean velocity, S	221354, 273828
US.CA.P_CA_D_AORTIC_VALVE.AV.VMEAN.AntFlow.Rest	Rest, Aortic valve mean velocity, S	248566, 273828

Imported measurement ID	ASCEND Label	CP Code
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.DOB10	Dobutamine, 10 µg/kg/min, Aortic valve VTI, S	221356, 221364, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.DOB15	Dobutamine, 15 µg/kg/min, Aortic valve VTI, S	221356, 221364, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.DOB20	Dobutamine, 20 µg/kg/min, Aortic valve VTI, S	221356, 221364, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.DOB5	Dobutamine, 5 µg/kg/min, Aortic valve VTI, S	221356, 221364, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.PeakStress	Peak stress, Aortic valve VTI, S	221352, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.PostStress	Recovery, Aortic valve VTI, S	221354, 273831
US.CA.P_CA_D_AORTIC_VALVE.AV.VTI.AntFlow.Rest	Rest, Aortic valve VTI, S	248566, 273831
US.CA.P_CA_D_MITRAL_VALVE.MV.MPI	LV myocardial performance index, DP	100208
US.CA.P_CA_D_PISA(TS).TV.DOME.Antflow.Doppler.PISA	Tricuspid PISA radius	10659
US.CA.P_CA_D_PISA(TS).TV.VMEAN.AntFlow.Doppler.PISA.Estimated	Aliasing velocity, tricuspid PISA	10658
US.CA.P_CA_D_PULMONARY_VEIN.PVE.PVaDur-MVaDur.AntFlow.Doppler	PVa-MVa duration difference	47492
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXd.LLoSeg	Left lower, Peak velocity, D	280330, 285518
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXd.RLoSeg	Right lower, Peak velocity, D	280336, 285518
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXs.LLoSeg	Left lower, Peak velocity, S	280330, 285517
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXs.RLoSeg	Right lower, Peak velocity, S	280336, 285517
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXs2VMAXd.LLoSeg	Left lower, Velocity ratio, S/D	280330, 285519
US.CA.P_CA_D_PULMONARY_VEIN.PVE.VMAXs2VMAXd.RLoSeg	Right lower, Velocity ratio, S/D	280336, 285519
US.CA.P_CA_D_TR.TV.PMAX.RegFlow.Doppler.PeakStress	Peak stress, Tricuspid peak RV-RA gradient	221352, 273799
US.CA.P_CA_D_TR.TV.PMAX.RegFlow.Doppler.PostStress	Recovery, Tricuspid peak RV-RA gradient	221354, 273799
US.CA.P_CA_D_TR.TV.PMAX.RegFlow.Doppler.Rest	Rest, Tricuspid peak RV-RA gradient	248566, 273799
US.CA.P_CA_D_TR.TV.VMAX.RegFlow.Doppler.PeakStress	Peak stress, Tricuspid regurg peak velocity	221352, 273798

Imported measurement ID	ASCEND Label	CP Code
US.CA.P_CA_D_TR.TV.VMAX.RegFlow.Doppler.PostStress	Recovery, Tricuspid regurg peak velocity	221354, 273798
US.CA.P_CA_D_TR.TV.VMAX.RegFlow.Doppler.Rest	Rest, Tricuspid regurg peak velocity	248566, 273798
US.CA.P_CA_D_TRICUSPID_VALVE.TriAnn.CORD.Dia.2D	Tricuspid annulus diameter, D	99307
US.CA.P_CA_D_TRICUSPID_VALVE.TriAnn.VTI.Doppler	Tricuspid VTI at annulus, D	10646
US.CA.P_CA_RV_VOL(MODSIMP).RV.RVFAC.2D	RV fx area change, A4C	100015
US.CA.QLAB_3DVOL.LA.VOLes.3D.QLAB3DVOL	LA volume, ES, 3D	266729
US.CA.QLAB_a2DQ.LA.EF.2D.a2DQ.aEF_FAC.A4C	EF, A4C	287839
US.CA.QLAB_a2DQ.LV.AREA.ED.2D.a2DQ.aEF_FAC.A2C	LV area, ED, A2C	10545
US.CA.QLAB_a2DQ.LV.AREA.ED.2D.a2DQ.aEF_FAC.A4C	LV area, ED, A4C	10542
US.CA.QLAB_a2DQ.LV.AREA.ES.2D.a2DQ.aEF_FAC.A2C	LV area, ES, A2C	10546
US.CA.QLAB_a2DQ.LV.AREA.ES.2D.a2DQ.aEF_FAC.A4C	LV area, ES, A4C	10543
US.CA.QLAB_a2DQ.LV.FAC.2D.a2DQ.aEF_FAC.A2C	LV fx area change, A2C	10547
US.CA.QLAB_a2DQ.LV.FAC.2D.a2DQ.aEF_FAC.A4C	LV fx area change, A4C	10544
US.CA.QLAB_ACMQ.LV.GPS_ENDO.2D.ACMQ.A2C	EndoGLS, 2D, A2C	276918
US.CA.QLAB_ACMQ.LV.GPS_ENDO.2D.ACMQ.A3C	EndoGLS, 2D, A3C	276916
US.CA.QLAB_ACMQ.LV.GPS_ENDO.2D.ACMQ.A4C	EndoGLS, 2D, A4C	276914
US.CA.QLAB_ACMQ.LV.GPS_ENDO.2D.ACMQ.Psaxap	EndoGCS, 2D PSAX (apex)	276949
US.CA.QLAB_ACMQ.LV.GPS_ENDO.2D.ACMQ.Psaxpap	EndoGCS, 2D PSAX (PM)	276947
US.CA.QLAB_HM.LV.CI.3D.QLABHM	Cardiac index (Qs/bsa), 3D	266320
US.CA.QLAB_HM.LV.CI_avg.3D.QLABHM	Cardiac index (Qs/bsa), 3D	266320
US.CA.QLAB_HM.LV.EF_avg.3D.QLABHM	LV ejection fraction, 3D	266314
US.CA.QLAB_HM.LV.HR_avg.3D.QLABHM	Heart rate, for 3D Qs	266313
US.CA.QLAB_HM.LV.MASS.ED.3D.QLABHM	LV wall mass, 3D	266321
US.CA.QLAB_HM.LV.MASS_avg.ED.3D.QLABHM	LV wall mass, 3D	266321
US.CA.QLAB_HM.LV.SV_avg.3D.QLABHM	Stroke volume, 3D	266315
US.CA.QLAB_HM.LV.VOLed_avg.3D.QLABHM	LV end-diastolic volume, 3D	266310
US.CA.QLAB_HM.LV.VOLes_avg.3D.QLABHM	LV end-systolic volume, 3D	266311
US.CA.QLAB_MVN.MV.Ann_Area.2D.QLABMVN	Mitral annular area	271514
US.CA.QLAB_MVN.MV.Ann_Area.3D.QLABMVN	Annular area, 3D	271959
US.CA.QLAB_MVN.MV.Ann_Circ.3D.QLABMVN	Annular circumference, 3D	267174
US.CA.QLAB_MVN.MV.AntLeaf_Area.3D.QLABMVN	Anterior leaflet area, 3D	267180
US.CA.QLAB_MVN.MV.Coapt_Gap.2D.QLABMVN	Max open coapt gap	306064
US.CA.QLAB_MVN.MV.Dia_AP.2D.QLABMVN	Mitral annulus diameter, A-P	102215
US.CA.QLAB_MVN.MV.PostLeaf_Area.3D.QLABMVN	Posterior leaflet area, 3D	267181
US.CA.QLAB_MVN.MV.Prolapse_Height.2D.QLABMVN	Max prolapse ht	306063
US.CA.QLAB_MVN.MV.Tent_Vol.3D.QLABMVN	Tenting volume, 3D	267177

Imported measurement ID	ASCEND Label	CP Code
US.CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A2C.Triplane	EndoGLS, 2D, A2C	276918
US.CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A3C.Triplane	EndoGLS, 2D, A3C	276916
US.CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A4C.Triplane	EndoGLS, 2D, A4C	276914
US.CA.TT4DRVF.RV.RVFAC.2D	RV fx area change, A4C	100015

Table 2 – Pediatric Echo Measurements, 16071, 16707

Imported measurement ID	ASCEND Label	CP Code
US.PED_CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A3C.Triplane	EndoGLS, 2D, A3C	276916
US.PED_CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A2C.Triplane	EndoGLS, 2D, A2C	276918
US.PED_CA.STRAIN_TP.LV.GLSendoPeak.Strain_TP.A4C.Triplane	EndoGLS, 2D, A4C	276914
US.PED_CA.P_M_RIGHT_HEART.RV.PEP.MMode	PuV pre-ejection period, MM	281380
US.PED_CA.P_D_PED_VALVES.MV.DOME.AntFlow	Mitral PISA Radius	10594
US.PED_CA.P_D_PED_VALVES.MV.DFPm	LV filling time, D, DP	102232
US.PED_CA.P_D_PED_VALVES.MV.VMAX.AreaPHT	Mitral peak velocity	285462
US.PED_CA.P_M_RIGHT_HEART.PV.ET.MMode	PuV ejection time, MM	281381
US.PED_CA.P_D_PED_VEINS.LIPV.VMAX_DIA.ED.Doppler	Left lower, Peak velocity, D	280330, 285518
US.PED_CA.P_D_PED_VEINS.RSPV.VMAX_DIA.ED.Doppler	Right upper, Peak velocity, D	280334, 285518
US.PED_CA.P_D_PED_VEINS.LSPV.VMAX_SYS.ES.Doppler	Left upper, Peak velocity, S	280329, 285517
US.PED_CA.P_D_PED_VEINS.RSPV.VMAX_SYS.ES.Doppler	Right upper, Peak velocity, S	280334, 285517
US.PED_CA.P_D_PED_VEINS.LSPV.VMAX_DIA.ED.Doppler	Left upper, Peak velocity, D	280329, 285518
US.PED_CA.P_D_PED_VEINS.RSPV.VMAXs2VMAXd	Right upper, Velocity ratio, S/D	280334, 285519
US.PED_CA.P_D_PED_VEINS.RIPV.VMAXs2VMAXd	Right lower, Velocity ratio, S/D	280336, 285519
US.PED_CA.P_D_PED_VEINS.LSPV.VMAXs2VMAXd	Left upper, Velocity ratio, S/D	280329, 285519
US.PED_CA.P_D_PED_VEINS.LIPV.VMAXs2VMAXd	Left lower, Velocity ratio, S/D	280330, 285519
US.PED_CA.P_B_PED_VEINS.LSPV.DIAM.2D	Left upper, ID	280329, 285514
US.PED_CA.P_B_PED_VEINS.RSPV.DIAM.2D	Right upper, ID	280334, 285514
US.PED_CA.P_B_PED_VEINS.LIPV.DIAM.2D	Left lower, ID	280330, 285514

Imported measurement ID	ASCEND Label	CP Code
US.PED_CA.P_D_PED_VEINS.RIPV.VMAX_DIA.ED.Doppler	Right lower, Peak velocity, D	280336, 285518
US.PED_CA.P_D_PED_VEINS.LIPV.VMAX_SYS.ES.Doppler	Left lower, Peak velocity, S	280330, 285517
US.PED_CA.P_B_PED_VEINS.RIPV.DIAM.2D	Right lower, ID	280336, 285514
US.PED_CA.P_D_PED_VEINS.RIPV.VMAX_SYS.ES.Doppler	Right lower, Peak velocity, S	280336, 285517
US.PED_CA.P_M_LEFT_HEART.AV.PEP.MMode	LV pre-ejection period, MM	40244
US.PED_CA.P_M_LEFT_HEART.AV.PEP2ET.MMode	LV pre-ejection period/ejection time, MM	101406
US.PED_CA.P_D_PED_VALVES.TV.SV	Tricuspid inflow volume, DP	10648
US.PED_CA.P_D_PED_VALVES.TV.PHT	Tricuspid pressure half-time	99255
US.PED_CA.P_D_PED_VALVES.TV.DOME.AntFlow	Tricuspid PISA radius	10659

DICOM Vascular Device Interface

Released Files

Import.Vascular.DICOM._7.0.28.0.cpkbDevice

Configuration – Vascular – DICOM.docx

Interface overview – Vascular – DICOM.docx

Vascular.Measurements.xlsx

New Features

No new features have been added to the Vascular knowledge base for this release.

Enhancements

The following enhancements have been made to the DICOM Vascular device interface. A complete list of measurements supported by this interface is provided in Vascular.Measurements.xlsx.

ID	Enhancement Description
15997 16708	Mappings have been added for the vascular measurements supported in the 2020.Q1 and 2020.Q2 updates. The complete list of measurements can be found in **Table 1** following these release notes.

Resolved Issues

There were no significant issues requiring resolution in this release.

Remaining Open Issues

The DICOM Vascular device interface does not currently exhibit any new, significant, open issues or defects.

Compatibility

The DICOM Vascular device interface version 7.0 is compatible with Knowledge Base 7.0, Report Wizard 7.0 and SRCT 7.0 and will not work with earlier versions.

Table 1 – Vascular Measurements, ID, 15997, 16708

Imported measurement ID	ASCEND CP Code
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Prox.Right.Doppler	224487,250431,251114,251117,255986,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Prox.Right.2D	224487,250431,251114,251117,255986,285611
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Dist.Right.Doppler	224487,250431,251114,251119,255986,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Dist.Right.2D	224487,250431,251114,251119,255986,285611
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Mid.Right.Doppler	224487,250431,251114,251118,255986,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Mid.Right.2D	224487,250431,251114,251118,255986,285611
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Prox.Right.Doppler	224487,250431,251114,251117,255988,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Prox.Right.2D	224487,250431,251114,251117,255988,285611
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Dist.Right.Doppler	224487,250431,251114,251119,255988,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Dist.Right.2D	224487,250431,251114,251119,255988,285611
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Mid.Right.Doppler	224487,250431,251114,251118,255988,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Mid.Right.2D	224487,250431,251114,251118,255988,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Prox.Right.Doppler	224487,250431,251114,251117,255987,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Prox.Right.2D	224487,250431,251114,251117,255987,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Dist.Right.Doppler	224487,250431,251114,251119,255987,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Dist.Right.2D	224487,250431,251114,251119,255987,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Mid.Right.Doppler	224487,250431,251114,251118,255987,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Mid.Right.2D	224487,250431,251114,251118,255987,285611
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Prox.Left.Doppler	224487,250431,251114,251117,255989,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Prox.Left.2D	224487,250431,251114,251117,255989,285611
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Dist.Left.Doppler	224487,250431,251114,251119,255989,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Dist.Left.2D	224487,250431,251114,251119,255989,285611
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VMAX.Sys.Mid.Left.Doppler	224487,250431,251114,251118,255989,250607
US.VAS.P_VAS_AO_ILIAC.COM_ILIAC_V.VESSEL_DIAM.Mid.Left.2D	224487,250431,251114,251118,255989,285611

Imported measurement ID	ASCEND CP Code
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Prox.Left.Doppler	224487,250431,251114,251117,255991,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Prox.Left.2D	224487,250431,251114,251117,255991,285611
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Dist.Left.Doppler	224487,250431,251114,251119,255991,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Dist.Left.2D	224487,250431,251114,251119,255991,285611
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VMAX.Sys.Mid.Left.Doppler	224487,250431,251114,251118,255991,250607
US.VAS.P_VAS_AO_ILIAC.EXT_ILIAC_V.VESSEL_DIAM.Mid.Left.2D	224487,250431,251114,251118,255991,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Prox.Left.Doppler	224487,250431,251114,251117,255990,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Prox.Left.2D	224487,250431,251114,251117,255990,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Dist.Left.Doppler	224487,250431,251114,251119,255990,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Dist.Left.2D	224487,250431,251114,251119,255990,285611
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VMAX.Sys.Mid.Left.Doppler	224487,250431,251114,251118,255990,250607
US.VAS.P_VAS_AO_ILIAC.INT_ILIAC_V.VESSEL_DIAM.Mid.Left.2D	224487,250431,251114,251118,255990,285611
US.VAS.P_VAS_MESENT.IMV.VMAX.Sys.Uni.Doppler	224487,250431,251114,250442,250607
US.VAS.P_VAS_MESENT.IMV.VESSEL_DIAM.Uni.2D	224487,250431,251114,250442,285611
US.VAS.P_VAS_UPPER_EX_RIGHT.EJV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250435,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.EJV.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,250435,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.EJV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250435,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.EJV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250435,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V2.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,306070,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V2.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,306070,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V2.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,306070,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V2.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,306070,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V2.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,306071,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V2.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,306071,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V2.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,306071,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V2.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,306071,281477

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US.VAS.P_VAS_UPPER_EX_RIGHT.BASILIC_V.VESSEL_DIAM.Trans.Prox.Forearm.Right.2D	224487,250431,251114,251117,253912,250456,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BASILIC_V.VESSEL_DIAM.Trans.Dist.Arm.Right.2D	224487,250431,251114,251119,253909,250456,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BASILIC_V.VESSEL_DIAM.Trans.Dist.Forearm.Right.2D	224487,250431,251114,251119,253912,250456,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BASILIC_V.VESSEL_DIAM.Trans.Arm.Right.2D	224487,250431,251114,253909,250456,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BASILIC_V.VESSEL_DIAM.Trans.Forearm.Right.2D	224487,250431,251114,253912,250456,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.IJV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250434,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.IJV.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,250434,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.IJV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250434,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.IJV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250434,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.SUBCL_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250454,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.SUBCL_V.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,250454,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.SUBCL_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250454,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.SUBCL_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250454,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.INNOM_V.REFLUX.Right.Doppler	224487,250431,251114,251582,270460
US.VAS.P_VAS_UPPER_EX_RIGHT.INNOM_V.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,251582,281476
US.VAS.P_VAS_UPPER_EX_RIGHT.INNOM_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,251582,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.AXILLARY_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250455,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.CEPH_V.VESSEL_DIAM.Trans.Prox.Forearm.Right.2D	224487,250431,251114,251117,253912,250457,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.CEPH_V.VESSEL_DIAM.Trans.Dist.Arm.Right.2D	224487,250431,251114,251119,253909,250457,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.CEPH_V.VESSEL_DIAM.Trans.Dist.Forearm.Right.2D	224487,250431,251114,251119,253912,250457,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.CEPH_V.VESSEL_DIAM.Trans.Arm.Right.2D	224487,250431,251114,253909,250457,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.CEPH_V.VESSEL_DIAM.Trans.Forearm.Right.2D	224487,250431,251114,253912,250457,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.MCUB_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,270332,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.MCUB_V.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,270332,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.MCUB_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,270332,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.MCUB_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,270332,281477

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US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,253924,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,253924,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,253924,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.ULNAR_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253924,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,253923,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,253923,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,253923,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.RAD_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253923,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BRAC_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250458,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BRAC_V.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,250458,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BRAC_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250458,281477
US.VAS.P_VAS_UPPER_EX_RIGHT.BRAC_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250458,281477
US.VAS.P_VAS_UPPER_EX_LEFT.EJV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250438,281477
US.VAS.P_VAS_UPPER_EX_LEFT.EJV.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,250438,281477
US.VAS.P_VAS_UPPER_EX_LEFT.EJV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250438,281477
US.VAS.P_VAS_UPPER_EX_LEFT.EJV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250438,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V2.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,306072,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V2.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,306072,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V2.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,306072,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V2.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,306072,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V2.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,306073,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V2.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,306073,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V2.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,306073,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V2.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,306073,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BASILIC_V.VESSEL_DIAM.Trans.Prox.Forearm.Left.2D	224487,250431,251114,251117,253912,250462,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BASILIC_V.VESSEL_DIAM.Trans.Dist.Arm.Left.2D	224487,250431,251114,251119,253909,250462,281477

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US.VAS.P_VAS_UPPER_EX_LEFT.BASILIC_V.VESSEL_DIAM.Trans.Dist.Forearm.Left.2D	224487,250431,251114,251119,253912,250462,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BASILIC_V.VESSEL_DIAM.Trans.Arm.Left.2D	224487,250431,251114,253909,250462,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BASILIC_V.VESSEL_DIAM.Trans.Forearm.Left.2D	224487,250431,251114,253912,250462,281477
US.VAS.P_VAS_UPPER_EX_LEFT.IJV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250437,281477
US.VAS.P_VAS_UPPER_EX_LEFT.IJV.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,250437,281477
US.VAS.P_VAS_UPPER_EX_LEFT.IJV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250437,281477
US.VAS.P_VAS_UPPER_EX_LEFT.IJV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250437,281477
US.VAS.P_VAS_UPPER_EX_LEFT.SUBCL_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250460,281477
US.VAS.P_VAS_UPPER_EX_LEFT.SUBCL_V.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,250460,281477
US.VAS.P_VAS_UPPER_EX_LEFT.SUBCL_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250460,281477
US.VAS.P_VAS_UPPER_EX_LEFT.SUBCL_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250460,281477
US.VAS.P_VAS_UPPER_EX_LEFT.INNOM_V.REFLUX.Left.Doppler	224487,250431,251114,251583,270460
US.VAS.P_VAS_UPPER_EX_LEFT.INNOM_V.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,251583,281476
US.VAS.P_VAS_UPPER_EX_LEFT.INNOM_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,251583,281477
US.VAS.P_VAS_UPPER_EX_LEFT.AXILLARY_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250461,281477
US.VAS.P_VAS_UPPER_EX_LEFT.CEPH_V.VESSEL_DIAM.Trans.Prox.Forearm.Left.2D	224487,250431,251114,251117,253912,250463,281477
US.VAS.P_VAS_UPPER_EX_LEFT.CEPH_V.VESSEL_DIAM.Trans.Dist.Arm.Left.2D	224487,250431,251114,251119,253909,250463,281477
US.VAS.P_VAS_UPPER_EX_LEFT.CEPH_V.VESSEL_DIAM.Trans.Dist.Forearm.Left.2D	224487,250431,251114,251119,253912,250463,281477
US.VAS.P_VAS_UPPER_EX_LEFT.CEPH_V.VESSEL_DIAM.Trans.Arm.Left.2D	224487,250431,251114,253909,250463,281477
US.VAS.P_VAS_UPPER_EX_LEFT.CEPH_V.VESSEL_DIAM.Trans.Forearm.Left.2D	224487,250431,251114,253912,250463,281477
US.VAS.P_VAS_UPPER_EX_LEFT.MCUB_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,270333,281477
US.VAS.P_VAS_UPPER_EX_LEFT.MCUB_V.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,270333,281477
US.VAS.P_VAS_UPPER_EX_LEFT.MCUB_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,270333,281477
US.VAS.P_VAS_UPPER_EX_LEFT.MCUB_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,270333,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,253926,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,253926,281477

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US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,253926,281477
US.VAS.P_VAS_UPPER_EX_LEFT.ULNAR_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253926,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,253925,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,253925,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,253925,281477
US.VAS.P_VAS_UPPER_EX_LEFT.RAD_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253925,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BRAC_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250464,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BRAC_V.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,250464,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BRAC_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250464,281477
US.VAS.P_VAS_UPPER_EX_LEFT.BRAC_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250464,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.AAGSV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,270463,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250468,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.VESSEL_DIAM.Trans.Dist.Right.2D	224487,250431,251114,251119,250468,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250468,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.REFLUX.Right.Doppler	224487,250431,251114,250468,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250468,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.SFV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250468,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.CFV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250467,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.CFV.REFLUX.Right.Doppler	224487,250431,251114,250467,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.CFV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250467,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.CFV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250467,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV_THIGH.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253917,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV_CALF.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253920,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.BOYD_PV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253918,270464,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.COCK_PV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,253921,270464,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.DODD_PV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,306608,270464,281477

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US.VAS.P_VAS_LOWER_EX_RIGHT.HUNT_PV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,306607,270464,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Prox.Ankle.Right.2D	224487,250431,251114,251117,253921,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Prox.Knee.Right.2D	224487,250431,251114,251117,253918,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Prox.SFJ.Right.2D	224487,250431,251114,251117,251593,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Dist.Ankle.Right.2D	224487,250431,251114,251119,253921,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Dist.Knee.Right.2D	224487,250431,251114,251119,253918,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Mid.Ankle.Right.2D	224487,250431,251114,251118,253921,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Mid.Knee.Right.2D	224487,250431,251114,251118,253918,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Mid.SFJ.Right.2D	224487,250431,251114,251118,251593,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Ankle.Right.2D	224487,250431,251114,253921,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.Knee.Right.2D	224487,250431,251114,253918,250469,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.GSV.VESSEL_DIAM.Trans.SFJ.Right.2D	224487,250431,251114,251593,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.REFLUX.Prox.SPJ.Right.Doppler	224487,250431,251114,251117,251594,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.AntPost.Prox.SPJ.Right.2D	224487,250431,251114,251117,251594,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.Trans.Prox.SPJ.Right.2D	224487,250431,251114,251117,251594,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.REFLUX.Dist.SPJ.Right.Doppler	224487,250431,251114,251119,251594,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.AntPost.Dist.SPJ.Right.2D	224487,250431,251114,251119,251594,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.Trans.Dist.SPJ.Right.2D	224487,250431,251114,251119,251594,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.REFLUX.Mid.SPJ.Right.Doppler	224487,250431,251114,251118,251594,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.AntPost.Mid.SPJ.Right.2D	224487,250431,251114,251118,251594,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.Trans.Mid.SPJ.Right.2D	224487,250431,251114,251118,251594,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.REFLUX.SPJ.Right.Doppler	224487,250431,251114,251594,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.Trans.SPJ.Right.2D	224487,250431,251114,251594,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.REFLUX.Right.Doppler	224487,250431,251114,250470,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250470,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.LSV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250470,281477

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US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.REFLUX.Prox.Right.Doppler	224487,250431,251114,251117,250474,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.AntPost.Prox.Right.2D	224487,250431,251114,251117,250474,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250474,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.REFLUX.Dist.Right.Doppler	224487,250431,251114,251119,250474,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.REFLUX.Mid.Right.Doppler	224487,250431,251114,251118,250474,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.AntPost.Mid.Right.2D	224487,250431,251114,251118,250474,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250474,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.REFLUX.Right.Doppler	224487,250431,251114,250474,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250474,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.PTV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250474,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.REFLUX.Prox.Right.Doppler	224487,250431,251114,251117,250475,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.AntPost.Prox.Right.2D	224487,250431,251114,251117,250475,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250475,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.REFLUX.Dist.Right.Doppler	224487,250431,251114,251119,250475,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.REFLUX.Mid.Right.Doppler	224487,250431,251114,251118,250475,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.AntPost.Mid.Right.2D	224487,250431,251114,251118,250475,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250475,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.REFLUX.Right.Doppler	224487,250431,251114,250475,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250475,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.ATV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250475,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.REFLUX.Prox.Right.Doppler	224487,250431,251114,251117,250473,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.AntPost.Prox.Right.2D	224487,250431,251114,251117,250473,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250473,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.REFLUX.Dist.Right.Doppler	224487,250431,251114,251119,250473,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.REFLUX.Mid.Right.Doppler	224487,250431,251114,251118,250473,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.AntPost.Mid.Right.2D	224487,250431,251114,251118,250473,281476

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US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250473,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.REFLUX.Right.Doppler	224487,250431,251114,250473,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250473,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.PERO_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250473,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.AntPost.Prox.Right.2D	224487,250431,251114,251117,250472,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250472,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.AntPost.Mid.Right.2D	224487,250431,251114,251118,250472,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250472,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.REFLUX.Right.Doppler	224487,250431,251114,250472,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250472,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.POP_V.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250472,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.DFV.VESSEL_DIAM.Trans.Prox.Right.2D	224487,250431,251114,251117,250471,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.DFV.VESSEL_DIAM.Trans.Mid.Right.2D	224487,250431,251114,251118,250471,281477
US.VAS.P_VAS_LOWER_EX_RIGHT.DFV.REFLUX.Right.Doppler	224487,250431,251114,250471,270460
US.VAS.P_VAS_LOWER_EX_RIGHT.DFV.VESSEL_DIAM.AntPost.Right.2D	224487,250431,251114,250471,281476
US.VAS.P_VAS_LOWER_EX_RIGHT.DFV.VESSEL_DIAM.Trans.Right.2D	224487,250431,251114,250471,281477
US.VAS.P_VAS_LOWER_EX_LEFT.AAGSV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,270465,281477
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250481,281477
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.VESSEL_DIAM.Trans.Dist.Left.2D	224487,250431,251114,251119,250481,281477
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250481,281477
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.REFLUX.Left.Doppler	224487,250431,251114,250481,270460
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250481,281476
US.VAS.P_VAS_LOWER_EX_LEFT.SFV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250481,281477
US.VAS.P_VAS_LOWER_EX_LEFT.CFV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250480,281477
US.VAS.P_VAS_LOWER_EX_LEFT.CFV.REFLUX.Left.Doppler	224487,250431,251114,250480,270460
US.VAS.P_VAS_LOWER_EX_LEFT.CFV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250480,281476

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US.VAS.P_VAS_LOWER_EX_LEFT.CFV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250480,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV_THIGH.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253917,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV_CALF.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253920,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.BOYD_PV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253918,270466,281477
US.VAS.P_VAS_LOWER_EX_LEFT.COCK_PV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,253921,270466,281477
US.VAS.P_VAS_LOWER_EX_LEFT.DODD_PV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,306608,270466,281477
US.VAS.P_VAS_LOWER_EX_LEFT.HUNT_PV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,306607,270466,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Prox.Ankle.Left.2D	224487,250431,251114,251117,253921,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Prox.Knee.Left.2D	224487,250431,251114,251117,253918,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Prox.SFJ.Left.2D	224487,250431,251114,251117,251595,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Dist.Ankle.Left.2D	224487,250431,251114,251119,253921,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Dist.Knee.Left.2D	224487,250431,251114,251119,253918,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Mid.Ankle.Left.2D	224487,250431,251114,251118,253921,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Mid.Knee.Left.2D	224487,250431,251114,251118,253918,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Mid.SFJ.Left.2D	224487,250431,251114,251118,251595,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Ankle.Left.2D	224487,250431,251114,253921,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.Knee.Left.2D	224487,250431,251114,253918,250482,281477
US.VAS.P_VAS_LOWER_EX_LEFT.GSV.VESSEL_DIAM.Trans.SFJ.Left.2D	224487,250431,251114,251595,281477
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.REFLUX.Prox.SPJ.Left.Doppler	224487,250431,251114,251117,251596,270460
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.AntPost.Prox.SPJ.Left.2D	224487,250431,251114,251117,251596,281476
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.Trans.Prox.SPJ.Left.2D	224487,250431,251114,251117,251596,281477
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.REFLUX.Dist.SPJ.Left.Doppler	224487,250431,251114,251119,251596,270460
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.AntPost.Dist.SPJ.Left.2D	224487,250431,251114,251119,251596,281476
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.Trans.Dist.SPJ.Left.2D	224487,250431,251114,251119,251596,281477
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.REFLUX.Mid.SPJ.Left.Doppler	224487,250431,251114,251118,251596,270460
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.AntPost.Mid.SPJ.Left.2D	224487,250431,251114,251118,251596,281476

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US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.Trans.Mid.SPJ.Left.2D	224487,250431,251114,251118,251596,281477
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.REFLUX.SPJ.Left.Doppler	224487,250431,251114,251596,270460
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.Trans.SPJ.Left.2D	224487,250431,251114,251596,281477
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250483,281476
US.VAS.P_VAS_LOWER_EX_LEFT.LSV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250483,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.REFLUX.Prox.Left.Doppler	224487,250431,251114,251117,250487,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.AntPost.Prox.Left.2D	224487,250431,251114,251117,250487,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250487,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.REFLUX.Dist.Left.Doppler	224487,250431,251114,251119,250487,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.REFLUX.Mid.Left.Doppler	224487,250431,251114,251118,250487,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.AntPost.Mid.Left.2D	224487,250431,251114,251118,250487,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250487,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.REFLUX.Left.Doppler	224487,250431,251114,250487,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250487,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PTV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250487,281477
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.REFLUX.Prox.Left.Doppler	224487,250431,251114,251117,250488,270460
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.AntPost.Prox.Left.2D	224487,250431,251114,251117,250488,281476
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250488,281477
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.REFLUX.Dist.Left.Doppler	224487,250431,251114,251119,250488,270460
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.REFLUX.Mid.Left.Doppler	224487,250431,251114,251118,250488,270460
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.AntPost.Mid.Left.2D	224487,250431,251114,251118,250488,281476
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250488,281477
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.REFLUX.Left.Doppler	224487,250431,251114,250488,270460
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250488,281476
US.VAS.P_VAS_LOWER_EX_LEFT.ATV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250488,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.REFLUX.Prox.Left.Doppler	224487,250431,251114,251117,250486,270460

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US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.AntPost.Prox.Left.2D	224487,250431,251114,251117,250486,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250486,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.REFLUX.Dist.Left.Doppler	224487,250431,251114,251119,250486,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.REFLUX.Mid.Left.Doppler	224487,250431,251114,251118,250486,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.AntPost.Mid.Left.2D	224487,250431,251114,251118,250486,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250486,281477
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.REFLUX.Left.Doppler	224487,250431,251114,250486,270460
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250486,281476
US.VAS.P_VAS_LOWER_EX_LEFT.PERO_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250486,281477
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.AntPost.Prox.Left.2D	224487,250431,251114,251117,250485,281476
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250485,281477
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.AntPost.Mid.Left.2D	224487,250431,251114,251118,250485,281476
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250485,281477
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.REFLUX.Left.Doppler	224487,250431,251114,250485,270460
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250485,281476
US.VAS.P_VAS_LOWER_EX_LEFT.POP_V.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250485,281477
US.VAS.P_VAS_LOWER_EX_LEFT.DFV.VESSEL_DIAM.Trans.Prox.Left.2D	224487,250431,251114,251117,250484,281477
US.VAS.P_VAS_LOWER_EX_LEFT.DFV.VESSEL_DIAM.Trans.Mid.Left.2D	224487,250431,251114,251118,250484,281477
US.VAS.P_VAS_LOWER_EX_LEFT.DFV.REFLUX.Left.Doppler	224487,250431,251114,250484,270460
US.VAS.P_VAS_LOWER_EX_LEFT.DFV.VESSEL_DIAM.AntPost.Left.2D	224487,250431,251114,250484,281476
US.VAS.P_VAS_LOWER_EX_LEFT.DFV.VESSEL_DIAM.Trans.Left.2D	224487,250431,251114,250484,281477
US.VAS.P_VAS_GRAFT_RIGHT.INFLOW.RI.Right.Doppler	212345,250302,250303,270545,250351
US.VAS.P_VAS_GRAFT_RIGHT.OUTFLOW.RI.Prox.Right.Doppler	212345,250302,250303,270546,250305,250351
US.VAS.P_VAS_GRAFT_LEFT.INFLOW.RI.Left.Doppler	212345,250302,250303,270543,250351
US.VAS.P_VAS_GRAFT_LEFT.OUTFLOW.RI.Prox.Left.Doppler	212345,250302,250303,270544,250305,250351
US.VAS.P_VAS_CAR_LEFT.CBULB.Ved.Dia.Prox.Left.Doppler	212345,250302,250303,251912,250305,250350

Imported measurement ID	ASCEND CP Code
US.VAS.P_VAS_CAR_LEFT.CBULB.VMAX.Sys.Prox.Left.Doppler	212345,250302,250303,251912,250305,250349
US.VAS.P_VAS_CAR_RIGHT.CBULB.VMAX.Sys.Prox.Right.Doppler	212345,250302,250303,251911,250305,250349
US.VAS.P_VAS_CAR_RIGHT.CBULB.Ved.Dia.Prox.Right.Doppler	212345,250302,250303,251911,250305,250350
US.VAS.P_VAS_GRAFT_RIGHT.GRAFT.RI.ProxAnast.Right.Doppler	212345,250302,250303,269674,252178,250351
US.VAS.P_VAS_GRAFT_LEFT.GRAFT.RI.ProxAnast.Left.Doppler	212345,250302,250303,269675,252178,250351

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