2D/LAEDVI(A-L) **Alias: LAEDV Index (A-L)**	**(GEU-106-0027, 99GEMS, "Left Atrial End Diastolic Volume Index")**	**(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement Method") = (125204, DCM, "Area-Length Biplane")**
2D/LAESV(A-L) **Alias: LAESV(A-L)**	**(G-0383, SRT, "Left Atrium Systolic Volume")**	**(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement Method") = (125204, DCM, "Area-Length Biplane")**
LAEDV(MOD BP) **Alias: LAEDV(MOD BP)**	**(122407, DCM, "Left Atrial End Diastolic Volume")**	**(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement**

		Method") = (125207, DCM, "Method of Disks, Biplane")
LAESV(MOD BP) Alias: LAESV(MOD BP)	(G-0383, SRT, "Left Atrium Systolic Volume")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement Method") = (125207, DCM, "Method of Disks, Biplane")
SD/Laappendix Vmax Alias: Laappendix Vmax	(29486-8, LN, "Left Atrial Appendage Peak Velocity")	
AFILA/2DLA_ReservoirStrain_R_Wave(A4C) Alias : 2DLA_ReservoirStrain_R_Wave(A4C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")

AFILA/2DLA_ConduitStrain_R_Wave(A4C) Alias : 2DLA_ConduitStrain_R_Wave(A4C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0159, "Conduit phase of the left atrium")
AFILA/2DLA_ContractileStrain_R_Wave(A4C) Alias : 2DLA_ContractileStrain_R_Wave(A4C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile phase of the left atrium")
AFILA/2DLA_ReservoirStrain_P_Wave(A4C) Alias : 2DLA_ReservoirStrain_P_Wave(A4C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View")

		= (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")
AFILA/2DLA_ConduitStrain_P_Wave(A4C) Alias : 2DLA_ConduitStrain_P_Wave(A4C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0159, "Conduit phase of the left atrium")
AFILA/2DLA_ContractileStrain_P_Wave(A4C) Alias : 2DLA_ContractileStrain_P_Wave(A4C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile

		phase of the left atrium")
AFILA/2DLA_ReservoirStrain_R_Wave(A2C) Alias : 2DLA_ReservoirStrain_R_Wave(A2C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")
AFILA/2DLA_ConduitStrain_R_Wave(A2C) Alias : 2DLA_ConduitStrain_R_Wave(A2C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0159, "Conduit phase of the left atrium")
AFILA/2DLA_ContractileStrain_R_Wave(A2C) Alias : 2DLA_ContractileStrain_R_Wave(A2C)	(GEU-106-0161, 99GEMS, "Longitudinal Strain of the Left Atrium	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")

	with 0 strain at ECG R-wave")	(111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile phase of the left atrium")
AFILA/2DLA_ReservoirStrain_P_Wave(A2C) Alias : 2DLA_ReservoirStrain_P_Wave(A2C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")
AFILA/2DLA_ConduitStrain_P_Wave(A2C) Alias : 2DLA_ConduitStrain_P_Wave(A2C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU,

		GEU-106-0159, "Conduit phase of the left atrium")
AFILA/2DLA_ContractileStrain_P_Wave(A2C) Alias : 2DLA_ContractileStrain_P_Wave(A2C)	(GEU-106-0162, 99GEMS, "Longitudinal Strain of the Left Atrium with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile phase of the left atrium")
AFILA/2DLA_ReservoirStrain_R_Wave(BiP) Alias : 2DLA_ReservoirStrain_R_Wave(BiP)	(GEU-106-0163, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")
AFILA/2DLA_ConduitStrain_R_Wave(BiP) Alias : 2DLA_ConduitStrain_R_Wave(BiP)	(GEU-106-0163, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU,

		GEU-106-0159, "Conduit phase of the left atrium")
AFILA/2DLA_ContractileStrain_R_Wave(BiP) Alias : 2DLA_ContractileStrain_R_Wave(BiP)	(GEU-106-0163, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG R-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile phase of the left atrium")
AFILA/2DLA_ReservoirStrain_P_Wave(BiP) Alias : 2DLA_ReservoirStrain_P_Wave(BiP)	(GEU-106-0164, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0158, "Reservoir phase of the left atrium")
AFILA/2DLA_ConduitStrain_P_Wave(BiP) Alias : 2DLA_ConduitStrain_P_Wave(BiP)	(GEU-106-0164, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0159, "Conduit phase of the left atrium")

AFILA/2DLA_ContractileStrain_P_Wave(BiP) Alias : 2DLA_ContractileStrain_P_Wave(BiP)	(GEU-106-0164, 99GEMS, "Longitudinal Strain of the Left Atrium from biplane measurements with 0 strain at ECG P-wave")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (R-4089A, SRT, "Cardiac Cycle Point") = (GEU, GEU-106-0160, "Contractile phase of the left atrium")
AFILA/2DLA_EF(A2C) Alias : 2DLA_EF(A2C)	(GEU-106-0165, 99GEMS, "Left Atrium Emptying Fraction by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber")
AFILA/2DLA_EV(A2C) Alias : 2DLA_EV(A2C)	(GEU-106-0166, 99GEMS, "Left Atrium Emptying Volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber")
AFILA/2DLA_Vmax(A2C) Alias : 2DLA_Vmax(A2C)	(GEU-106-0167, 99GEMS, "Left Atrium maximal volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-

		A19B, "Apical two chamber")
AFILA/2DLA_Vmin(A2C) Alias : 2DLA_Vmin(A2C)	(GEU-106-0168, 99GEMS, "Left Atrium minimal volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber")
AFILA/2DLA_VpreA(A2C) Alias : 2DLA_VpreA(A2C)	(GEU-106-0169, 99GEMS, "Left Atrium volume at preA time by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19B, "Apical two chamber")
AFILA/2DLA_EF(A4C) Alias : 2DLA_EF(A4C)	(GEU-106-0165, 99GEMS, "Left Atrium Emptying Fraction by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber")
AFILA/2DLA_EV(A4C) Alias : 2DLA_EV(A4C)	(GEU-106-0166, 99GEMS, "Left Atrium Emptying Volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View")

		= (SRT, G-A19C, "Apical four chamber")
AFILA/2DLA_Vmax(A4C) Alias : 2DLA_Vmax(A4C)	(GEU-106-0167, 99GEMS, "Left Atrium maximal volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber")
AFILA/2DLA_Vmin(A4C) Alias : 2DLA_Vmin(A4C)	(GEU-106-0168, 99GEMS, "Left Atrium minimal volume by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber")
AFILA/2DLA_VpreA(A4C) Alias : 2DLA_VpreA(A4C)	(GEU-106-0169, 99GEMS, "Left Atrium volume at preA time by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI") (111031, DCM, "Image View") = (SRT, G-A19C, "Apical four chamber")
AFILA/2DLA_EF(BiP) Alias : 2DLA_EF(BiP)	(GEU-106-0170, 99GEMS, "Left Atrium Emptying Fraction from biplane measurements	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")

	by speckle tracking")	
AFILA/2DLA_EV(BiP) Alias : 2DLA_EV(BiP)	(GEU-106-0171, 99GEMS, "Left Atrium Emptying Volume from biplane measurements by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")
AFILA/2DLA_Vmax(BiP) Alias : 2DLA_Vmax(BiP)	(GEU-106-0172, 99GEMS, "Left Atrium maximal volume from biplane measurements by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")
AFILA/2DLA_Vmin(BiP) Alias : 2DLA_Vmin(BiP)	(GEU-106-0173, 99GEMS, "Left Atrium minimal volume from biplane measurements by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")
AFILA/2DLA_VpreA(BiP) Alias : 2DLA_VpreA(BiP)	(GEU-106-0174, 99GEMS, "Left Atrium volume at preA time from biplane measurements by speckle tracking")	(G-C036, SRT, "Measurement Method") = (GEU, GEU-106-0018, "AFI")

Section Right Atrium

GEU Parameter ID (and corresponding alias)	Base Measurement Concept Name	Concept or Acquisition Context Modifier
2D/RA Alias: RA Diam	(M-02550, SRT, "Diameter")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
2D/RA Area Alias: RA Area	(G-A166, SRT, "Area")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode")
2D/RAA diastole Alias: RAA d	(GEU-106-0059, 99GEMS, "Right Atrium Area at Diastole")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") (R-4089A, SRT, "Cardiac Cycle Point") = (F-32010, SRT, "Diastole")
2D/RAA systole Alias: RAA s	(GEU-106-0060, 99GEMS, "Right Atrium Area at Systole")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") (R-4089A, SRT, "Cardiac Cycle Point") = (F-32020, SRT, "Systole")
2D/RAD Major Alias: RA Major	(G-A193, SRT, "Major Axis")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
2D/RAD Minor Alias: RA Minor	(G-A194, SRT, "Minor Axis")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
RAAs(A4C) Alias: RAAs	(17988-7, LN, "Right Atrium Systolic Area")	
RALd(A4C) Alias: RALd A4C	(29466-0, LN, Right Atrium Superior-Inferior Dimension, 4-chamber view")	(R-4089A, SRT, "Cardiac Cycle Point") = (F-32011, SRT, "End Diastole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber")
RAAd(A4C) Alias: RAAd A4C	(17988-7, LN, "Right Atrium Area on Apical four chamber view")	(R-4089A, SRT, "Cardiac Cycle Point") = (F-32011, SRT, "End Diastole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber")

RAEDV(A-L A4C) Alias: RAEDV AL A4C	(GEU-106-0104, 99GEMS, "Right Atrium Volume")	(R-4089A, SRT, "Cardiac Cycle Point") = (F-32011, SRT, "End Diastole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber") (G-C036, SRT, "Measurement Method") = (125205, DCM, "Area-Length Single Plane")
RAEDV(MOD A4C) Alias: RAEDV MOD A4C	(GEU-106-0104, 99GEMS, "Right Atrium Volume")	(R-4089A, SRT, "Cardiac Cycle Point") = (F-32011, SRT, "End Diastole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber") (G-C036, SRT, "Measurement Method") = (125208, DCM, "Method of Disks, Single Plane")
RAESV(A-L A4C) Alias: RAESV (A-L A4C)	(GEU-106-106, 99GEMS, "Right Atrium End Systolic Volume")	(R-4089A, SRT, "Cardiac Cycle Point") = (109070, DCM, "End Systole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber") (G-C036, SRT, "Measurement Method") = (125205, DCM, "Area-Length Single Plane")
RAESV(MOD A4C) Alias: RAESV(MOD A4C)	(GEU-106-106, 99GEMS, "Right Atrium End Systolic Volume")	(R-4089A, SRT, "Cardiac Cycle Point") = (109070, DCM, "End Systole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber") (G-C036, SRT, "Measurement Method") = (125208, DCM, "Method of Disks, Single Plane")
RALs(A4C) Alias: RALs(A4C)	(29466-0, LN, "Right Atrium Superior-Inferior Dimension, 4-chamber view")	(R-4089A, SRT, "Cardiac Cycle Point") = (109070, DCM, "End Systole") (111031, DCM, "Image View") = (G-A19C, SRT, "Apical four chamber")

RAP **Alias: RAP**	**(18070-3, LN, "Right Atrium Systolic Pressure")**	

Section Aortic Valve

GEU Parameter ID (and corresponding alias)	Base Measurement Concept Name	Concept or Acquisition Context Modifier
2D/AVA/AV Diam **Alias: AV Diam**	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode**
AV Dec Time **Alias: AV Dec Time**	**(20217-6, LN, "Deceleration Time")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV Dec Slope **Alias: AV Dec Slope**	**(20216-8, LN, "Deceleration Slope")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
PISA/AR/RF **Alias: AR RF**	**(G-0390, SRT, "Regurgitant Fraction")**	**(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
MM/AV Diam **Alias: AV Diam**	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-0394, SRT, "M mode")**
MM/%IVS Thck **Alias: %IVS Thck**	**(18054-7, LN, "Interventricular**	**(G-0373, SRT, "Image Mode") = (G-0394, SRT, "M mode")**

	Septum % Thickening")	
2D/AV Diam Alias: AV Diam	(G-038F, SRT, "Cardiovascular Orifice Diameter")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
2D/AV Cusp Alias: AV Cusp	(17996-0, LN, "Aortic Valve Cusp Separation")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
2D/LAX/Trans AVA diastole Alias: Trans AVA (d)	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (R-4089A, SRT, "Cardiac Cycle Point") = (F-32010, SRT, "Diastole")
2D/LAX/Trans AVA systole Alias: Trans AVA (s)	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (R-4089A, SRT, "Cardiac Cycle Point") = (F-32020, SRT, "Systole")
2D/SAX/Trans AVA diastole Alias: Trans AVA (d)	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on

		scan mode (R-4089A, SRT, "Cardiac Cycle Point") = (F-32010, SRT, "Diastole")
2D/SAX/Trans AVA systole **Alias: Trans AVA (s)**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (R-4089A, SRT, "Cardiac Cycle Point") = (F-32020, SRT, "Systole")**
2D/AVA Planimetry **Alias: AVA Planimetry**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement Method") = (125220, DCM, "Planimetry")**
2D/AV Area **Alias: AV Area**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode**
MM/AV Cusp **Alias: AV Cusp**	**(17996-0, LN, "Aortic Valve Cusp Separation")**	**(G-0373, SRT, «Image Mode») = (G-0394, SRT, «M mode»)**

AV Vmax **Alias: AV Vmax**	**(11726-7, LN, "Peak Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV Vmax P **Alias: AV Vmax**	**(11726-7, LN, "Peak Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV maxPG **Alias: AV maxPG**	**(20247-3, LN, "Peak Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV Vmean **Alias: AV Vmean**	**(20352-1, LN, "Mean Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV meanPG **Alias: AV meanPG**	**(20256-4, LN, "Mean Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV Acc Time **Alias: AV AccT**	**(20168-1, LN, "Acceleration Time")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (R-409E3, SRT, "Doppler Continuous Wave")**
AV VTI **Alias: AV VTI**	**(20354-7, LN, "Velocity Time Integral")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AV Env. Ti **Alias: AV Env. Ti**	**(GEU-106-0080, 99GEMS, "Time duration of the VTI trace on Aortic Valve")**	**(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AVA (VTI) **Alias: AVA (VTI)**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT,**

		"Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125215, DCM, "Continuity Equation by Velocity Time Integral")
AVA (Vmax) **Alias: AVA Vmax**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**
AVA (Vmax)2 **Alias: AVA Vmax, Pt**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**
AVA (Vmax)P **Alias: AVA Vmax, Pt**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**
AVA (Vmax)P2 **Alias: AVA Vmax**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**

AV SV **Alias: AV SV**	**(F-32120, SRT, "Stroke Volume")**	**(G-C0E3, SRT, «Finding Site») = (T-42000, SRT, «Aorta»)**
AV HR **Alias: HR**	**(8867-4, LN, "Heart rate")**	
AV SI **Alias: AV SI**	**(F-00078, SRT, "Stroke Index")**	**(G-C0E3, SRT, «Finding Site») = (T-42000, SRT, «Aorta»)**
AV Time To Peak **Alias: AV Time to Peak**	**(GEU-106-0006, 99GEMS, "Time to Peak")**	
AV CO **Alias: AV CO**	**(F-32100, SRT, "Cardiac Output")**	**(G-C0E3, SRT, «Finding Site») = (T-42000, SRT, «Aorta»)**
AV CI **Alias: AV CI**	**(F-32110, SRT, "Cardiac Index")**	**(G-C0E3, SRT, «Finding Site») = (T-42000, SRT, «Aorta»)**
AV Acc Slope **Alias: AV Acc Slope**	**(20167-3, LN, "Acceleration Slope")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")** **(G-0373, SRT, "Image Mode") = (R-409E3, SRT, "Doppler Continuous Wave")**
AVET **Alias: AVET**	**(18041-4, LN, "Aortic Valve Ejection Time")**	**(G-0373, SRT, "Image Mode") = (R-409E3, SRT, "Doppler Continuous Wave")**
AV Acc Time/ET Ratio **Alias: AV Acc Time/ET**	**(G-0382, SRT, "Ratio of Aortic Valve Acceleration Time to Ejection Time")**	**(G-0373, SRT, "Image Mode") = (R-409E3, SRT, "Doppler Continuous Wave")**
AV dp/dt **Alias: AV dp dt**	**(59120-6, LN, "Aortic valve antegrade dp/dt [pressure rate] by US")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
AR PHT **Alias: AR PHT**	**(20280-4, LN, "Pressure Half-Time")**	**(G-C048, SRT, "Direction of Flow") =**

		(R-42E61, SRT, "Regurgitant Flow")
AR Dec Time Alias: AR Dec Time	(20217-6, LN, "Deceleration Time")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
AR Dec Slope Alias: AR Dec Slope	(20216-8, LN, "Deceleration Slope")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
AR Vmax Alias: AR Vmax	(11726-7, LN, "Peak Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
AR maxPG Alias: AR maxPG	(20247-3, LN, "Peak Gradient")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
AR Env. Ti Alias: AR Env. Ti	(GEU-106-0082, 99GEMS, "Time duration of the VTI trace on Aortic Regurgitant flow")	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
AR HR Alias: AR HR	(8867-4, LN, "Heart rate")	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
Arend Vmax Alias: Arend Vmax	(11726-7, LN, "Peak Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (R-4089A, SRT, "Cardiac Cycle Point") = (109022, DCM, "End Diastole")

Arend maxPG **Alias: Arend PG**	**(20247-3, LN, "Peak Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (R-4089A, SRT, "Cardiac Cycle Point") = (109022, DCM, "End Diastole")**
AR Vmean **Alias: AR Vmean**	**(20352-1, LN, "Mean Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
AR meanPG **Alias: AR meanPG**	**(20256-4, LN, "Mean Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
AR VTI **Alias: AR VTI**	**(20354-7, LN, "Velocity Time Integral")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
AR dp/dt **Alias: AR dp/dt**	**(59120-6, LN, "Aortic regurgitant dp/dt US pressure by rate")**	**(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
PISA/AR/Flow **Alias: AR Flow**	**(34141-2, LN, "Peak Instantaneous Flow Rate")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/AR/Radius **Alias: AR Rad**	**(GEU-106-0004, 99GEMS, "Flow Radius")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM,**

		"Proximal Isovelocity Surface Area")
PISA/AR/Velocity **Alias: AR Als.Vel**	**(GEU-106-0005, 99GEMS, "Alias Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/AR/Vmax **Alias: AR Vmax**	**(11726-7, LN, "Peak Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/AR/VTI **Alias: AR VTI**	**(20354-7, LN, "Velocity Time Integral")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/AR/ERO **Alias: AR ERO**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/AR/RV **Alias: AR RV**	**(33878-0, LN, "Volume Flow")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow") (G-C036, SRT,**

		"Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")
2D/AV Annulus Diam Alias: AV Annulus Diam	**(79940-3, LN, "Aortic valve annulus Diameter at end systole by US 2D")**	
AA_DIAMETER(4D) Alias: AA Diameter 4D	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(G-C0E3, SRT, "Finding Site") = (T-35410, SRT, "Aortic Valve Ring") (G-C036, SRT, "Measurement Method") = (GEU-106-0098, 99GEMS, "4DautoAVQ quantification tool")**
AA_AREA(4D) Alias: AA Area 4D	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C036, SRT, "Measurement Method") = (GEU-106-0098, 99GEMS, "4DautoAVQ quantification tool")**
AA_CIRCUMFERENCE(4D) Alias: AA Circ 4D	**(GEU-106-0098, 99GEMS, "Aortic Annulus Circumference on 4D image")**	**(G-C036, SRT, "Measurement Method") = (GEU-106-0098, 99GEMS, "4DautoAVQ quantification tool")**
AA_MAX_DIAMETER(4D) Alias: AA Max Dia 4D	**(GEU-106-0099, 99GEMS, "Aortic Annulus major semi-axis from ellipse fit on 4D image")**	**(G-C036, SRT, "Measurement Method") = (GEU-106-0098, 99GEMS, "4DautoAVQ quantification tool")**
AA_MIN_DIAMTER(4D) Alias: AA Min Dia 4D	**(GEU-106-0100, 99GEMS, "Aortic Annulus minor semi-axis from ellipse fit on 4D image")**	**(G-C036, SRT, "Measurement Method") = (GEU-106-0098, 99GEMS, "4DautoAVQ quantification tool")**

Section Mitral Valve

GEU Parameter ID (and corresponding alias)	Base Measurement Concept Name	Concept or Acquisition Context Modifier
MV Reg Frac Alias: MV Reg Frac	(G-0390, SRT, "Regurgitant Fraction")	
MR Acc Slope Alias: MR Acc Slope	(20167-3, LN, "Acceleration Slope")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
MR dp/dt Alias: MR dp/dt	(18035-6, LN, "Mitral Regurgitation dP/dt derived from Mitral Reg. velocity")	
PISA/MR/RF Alias: MR RF	(G-0390, SRT, "Regurgitant Fraction")	(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")
2D/MV Annulus Diam Alias: MV Ann Diam	(G-038F, SRT, "Cardiovascular Orifice Diameter")	(G-C0E3, SRT, "Finding Site") = (T-35313, SRT, "Mitral Annulus") (G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
2D/MV Annulus Diam AP Alias : MV Annulus Diam AP	(GEU-106-0177, 99GEMS,	(G-C0E3, SRT, "Finding Site") =

	"Diameter in Anterior to Posterior direction")	(SRT, T-35313, "Mitral Annulus")
2D/SAX/MVA Alias: MVA Planimetry	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (111031, DCM, "Image View") = (G-0397, SRT, "Parasternal short axis")
2D/MVA Planimetry Alias: MVA Planimetry	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode (G-C036, SRT, "Measurement Method") = (125220, DCM, "Planimetry")
2D/MV Area Alias: MV Area	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade

		Flow”) (G-0373, SRT, “Image Mode”) = (G-03A2, SRT, “2D mode”) or (R-409E2, SRT, “Doppler Color Flow”) depending on scan mode
2D/MV Area (PHN) Alias : MV Area (PHN)	**(G-A166, SRT, "Area")**	
2D/EPSS Alias: EPSS	**(GEU-106-0066, 99GEMS, “E-point Spetal separation in 2D”)**	**(G-0373, SRT, “Image Mode”) = (G-03A2, SRT, “2D mode”)**
4DAutoMVQ/A-P_Diameter Alias: MV A-P Diam	**(GEU-106-0036, 99GEMS, “MV antero-posterior diameter by 4Dauto MV quantification tool”)**	**(G-0373, SRT, “Image Mode”) = (125231, DCM, “3D mode”) (G-C036, SRT, “Measurement Method”) = (GEU-106-0037, 99GEMS, “4D auto MV quantification tool”) (111031, DCM, “Image View”) = (G-0395, SRT, “Apical long axis”)**
4DAutoMVQ/PM-AL_Diameter Alias: MV PM-AL Diam	**(GEU-106-0038, 99GEMS, “Mitral valve Diameter, medLat to AntPost hinge on commissural view”)**	**(G-0373, SRT, “Image Mode”) = (125231, DCM, “3D mode”) (G-C036, SRT, “Measurement Method”) = (GEU-106-0037, 99GEMS, “4D auto MV quantification tool”) (GEU-106-0039, 99GEMS, “MV commissural view”)**

4DAutoMVQ/Annulus_Perimeter Alias: MV Annulus Perimeter	**(GEU-106-0040, 99GEMS, "4D mitral annulus perimeter")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (T-35313, SRT, "Mitral Annulus")**
4DAutoMVQ/Annulus_Area_3D Alias: MV Annulus Area 3D	**(GEU-106-0041, 99GEMS, "4D mitral annulus surface")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (T-35313, SRT, "Mitral Annulus")**
4DAutoMVQ/Tenting_Height Alias: MV Tenting Height	**(GEU-106-0042, 99GEMS, "MV tenting height from 4D Aplax")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (111031, DCM, "Image View") = (G-0395, SRT, "Apical long axis")**
4DAutoMVQ/Mitral-Aortic_Angle Alias: Mitral-Aortic Angle	**(GEU-106-0043, 99GEMS, "Mitral-Aortic angle from 4D Aplax")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement**

		Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (111031, DCM, "Image View") = (G-0395, SRT, "Apical long axis")
4DAutoMVQ/Inter_Trigonal_Distance Alias: MV Inter-Trigonal Dist	**(GEU-106-0044, 99GEMS, "Distance between mitral trigons")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool")**
4DAutoMVQ/Annulus_Height Alias: MV Annulus Height	**(GEU-106-0045, 99GEMS, "MV annulus height")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool")**
4DAutoMVQ/Anterior_Leaflet_Length Alias: MV Ant Leaflet Len	**(GEU-106-0046, 99GEMS, "Length of anterior MV leaflet from 4D Aplax")**	**(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (111031, DCM, "Image View") = (G-0395, SRT, "Apical long axis") (G-C0E3, SRT, "Finding Site") =**

		(T-35321, SRT, "Anterior Leaflet of Mitral Valve")
4DAutoMVQ/Posterior_Leaflet_Length Alias: MV Post Leaflet Len	(GEU-106-0047, 99GEMS, "Length of posterior MV from 4D Aplax")	(G-0373, SRT, "Image Mode") = (125231, DCM, "3D mode") (G-C036, SRT, "Measurement Method") = (GEU-106-0037, 99GEMS, "4D auto MV quantification tool") (111031, DCM, "Image View") = (G-0395, SRT, "Apical long axis") (G-C0E3, SRT, "Finding Site") = (T-35322, SRT, "Posterior Leaflet of Mitral Valve")
MV A VTI Alias: MV A VTI	(20354-7, LN, "Velocity Time Integral")	(R-4089A, SRT, "Cardiac Cycle Point") = (F-32030, SRT, "Atrial Systole")
MV Dec Time Alias: MV DecT	(20217-6, LN, "Deceleration Time")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
MV PHT Alias: MV PHT	(20280-4, LN, "Pressure Half-Time")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
MV Dec Slope Alias: MV Dec Slope	(20216-8, LN, "Deceleration Slope")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")

MVA (PHT) **Alias: MVA By PHT**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")** **(G-C036, SRT, "Measurement Method") = (125210, DCM, "Area by Pressure Half-Time")**
MVA (VTI) **Alias: MVA (VTI)**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")** **(G-C036, SRT, "Measurement Method") = (125215, DCM, "Continuity Equation by Velocity Time Integral")**
MV meanPG **Alias: MV meanPG**	**(20256-4, LN, "Mean Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
MV Vmax **Alias: MV Vmax**	**(11726-7, LN, "Peak Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
MV Vmean **Alias: MV Vmean**	**(20352-1, LN, "Mean Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
MV maxPG **Alias: MV maxPG**	**(20247-3, LN, "Peak Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42047,**

		SRT, “Antegrade Flow”)
MV VTI Alias: MV VTI	(20354-7, LN, “Velocity Time Integral”)	(G-C048, SRT, “Direction of Flow”) = (R-42047, SRT, “Antegrade Flow”)
MV Time To Peak Alias: MV Time to Peak	(GEU-106-0006, 99GEMS, “Time to Peak”)	
MV HR Alias: HR	(8867-4, LN, “Heart rate”)	
MV SV Alias: MV SV	(F-32120, SRT, “Stroke Volume”)	(G-C0E3, SRT, «Finding Site») = (T-35300, SRT, «Mitral Valve»)
MV SI Alias: MV SI	(F-00078, SRT, “Stroke Index”)	(G-C0E3, SRT, «Finding Site») = (T-35300, SRT, «Mitral Valve»)
MV CO Alias: MV CO	(F-32100, SRT, “Cardiac Output”)	(G-C0E3, SRT, «Finding Site») = (T-35300, SRT, «Mitral Valve»)
MV CI Alias: MV CI	(F-32110, SRT, “Cardiac Index”)	(G-C0E3, SRT, «Finding Site») = (T-35300, SRT, «Mitral Valve»)
MV E Env.Ti Alias: MV E Env. Ti	(GEU-106-0076, 99GEMS, “Time duration of the VTI trace on Mitral Valve E-wave”)	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed»)
MV A Env. Ti Alias: MV A Env. Ti	(GEU-106-0077, 99GEMS, “Time duration of the VTI trace on Mitral Valve A-wave”)	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed»)
MV Env. Ti Alias: MV Env. Ti	(GEU-106-0078, 99GEMS, “Time	(G-0373, SRT, «Image Mode») =

	duration of the VTI trace on Mitral Valve")	(R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
MR Env. Ti Alias: MR Env. Ti	(GEU-106-0079, 99GEMS, "Time duration of the VTI trace on Mitral Regurgitant flow")	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")
MVET Alias: MVET	(GEU-106-0069, 99GEMS, "Mitral Valve Ejection Time")	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed»)
MV Eann Velocity Alias: MV Eann Velocity	(18037-2, LN, "Mitral Valve E-Wave Peak Velocity")	(G-C0E3, SRT, "Finding Site") = (T-35313, SRT, "Mitral Annulus")
MV E/A Ratio Alias: MV E/A Ratio	(18038-0, LN, "Mitral Valve E to A Ratio")	
MV Acc Time/MV Dec Time Alias: MV AccT/DecT	(G-0386, SRT, «Mitral Valve AT/DT Ratio»)	
MV dp/dt Alias MV dp dt	(59120-6, LN, "Mitral valve antegrade dP/dt [pressure rate] by US")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
MR Vmax Alias: MR Vmax	(11726-7, LN, "Peak Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")

MR meanPG **Alias: MR meanPG**	**(20256-4, LN, "Mean Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
MR Vmean **Alias: MR Vmean**	**(20352-1, LN, "Mean Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
MR maxPG **Alias: MR maxPG**	**(20247-3, LN, "Peak Gradient")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
MR VTI **Alias: MR VTI**	**(20354-7, LN, "Velocity Time Integral")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")**
MCO **Alias: MCO**	**(G-0387, SRT, "Mitral Valve Closure to Opening Time")**	**(G-0373, SRT, "Image Mode") = (R-409E3, SRT, "Doppler Continuous Wave")**
PISA/MR/Flow **Alias: MR Flow**	**(34141-2, LN, "Peak Instantaneous Flow Rate")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/MR/Radius **Alias: MR Rad**	**(GEU-106-0004, 99GEMS, "Flow Radius")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT,**

		"Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")
PISA/MR/Velocity **Alias: MR Als.Vel**	**(GEU-106-0005, 99GEMS, "Alias Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/MR/Vmax **Alias: MR Vmax**	**(11726-7, LN, "Peak Velocity")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/MR/VTI **Alias: MR VTI**	**(20354-7, LN, "Velocity Time Integral")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**

PISA/MR/ERO **Alias: MR ERO**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
PISA/MR/RV **Alias: MR RV**	**(33878-0, LN, "Volume Flow")**	**(G-C048, SRT, "Direction of Flow") = (R-42E61, SRT, "Regurgitant Flow")** **(G-C036, SRT, "Measurement Method") = (125216, DCM, "Proximal Isovelocity Surface Area")**
MV Eprime Velocity **Alias: E'**	**(59133-9, LN, "Peak Tissue Velocity")**	**(G-C0E3, SRT, "Finding Site") = (T-35313, SRT, "Mitral Annulus")** **(R-4089A, SRT, "Cardiac Cycle Point") = (R-40B1B, SRT, "Early Diastole")**
MV E/Eprime Ratio/Calc **Alias: E/E'**	**(59111-5, LN, "E Velocity to Annulus E Velocity Ratio")**	
MV E/A Ratio/Calc **Alias: E/A Ratio**	**(18038-0, LN, "Mitral Valve E to A Ratio")**	
MV Medial Eprime Velocity **Alias: E' Sept**	**(59133-9, LN, "Peak Tissue Velocity")**	**(G-C0E3, SRT, "Finding Site") = (G-0391, SRT,**

		"Medial Mitral Annulus) (R-4089A, SRT, "Cardiac Cycle Point") = (R-40B1B, SRT, "Early Diastole")
MV Medial E/Eprime Ratio/Calc **Alias: E/E' Sept**	**(59111-5, LN, "E Velocity to Annulus E Velocity Ratio")**	**(G-C0E3, SRT, "Finding Site") = (G-0391, SRT, "Medial Mitral Annulus)**
MV Lateral Eprime Velocity **Alias: E' Lat**	**(59133-9, LN, "Peak Tissue Velocity")**	**(G-C0E3, SRT, "Finding Site") = (G-0392, SRT, "Lateral Mitral Annulus") (R-4089A, SRT, "Cardiac Cycle Point") = (R-40B1B, SRT, "Early Diastole")**
MV Lateral E/Eprime Ratio/Calc **Alias: E/E' Lat**	**(59111-5, LN, "E Velocity to Annulus E Velocity Ratio")**	**(G-C0E3, SRT, "Finding Site") = (G-0392, SRT, "Lateral Mitral Annulus")**
Medial E'/2 + Lateral E'/2 (calc Avg) **Alias: E' Avg**	**(GEU-106-0031, 99GEMS, "Average Annulus E Velocity")**	**(R-4089A, SRT, "Cardiac Cycle Point") = (R-40B1B, SRT, "Early Diastole")**
E/(Medial E'/2 + Lateral E'/2) **Alias: E/E' Avg**	**(GEU-106-0032, 99GEMS, "E Velocity to Average Annulus E Velocity")**	
MM/MAPSE **Alias: MAPSE**	**(GEU-106-0035, 99GEMS, "Mitral Annular Plane Systolic Excursion (MAPSE)")**	**(G-C0E3, SRT, "Finding Site") = (T-35313, SRT, "Mitral Annulus")**

MM/MV CE Dist Alias: MV CE Dist	**(59122-2, LN, "Valve C-E distance US")**	**(G-0373, SRT, "Image Mode") = (G-0394, SRT, "M mode")**
MM/MV D-E Excursion Alias: MV D-E Excursion	**(17997-8, LN, "Mitral Valve D-E Excursion")**	**(G-0373, SRT, "Image Mode") = (G-0394, SRT, "M mode")**
MM/MV D-E Slope Alias: MV D-E Slope	**(59127-1, LN, "Valve D-E slope")**	**(G-0373, SRT, "Image Mode") = (G-0394, SRT, "M mode")**

Section Pulmonic Valve

GEU Parameter ID (and corresponding alias)	Base Measurement Concept Name	Concept or Acquisition Context Modifier
2D/PV Annulus Diam Alias: PV Ann Diam	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") = (G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode**
2D/PV Annulus Diam (plax) Alias : PV Annulus Diam (plax)	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(111031, DCM, "Image View") = (SRT, G-0396, "Parasternal long axis")**
2D/PV Annulus Diam (sax) Alias : PV Annulus Diam (sax)	**(G-038F, SRT, "Cardiovascular Orifice Diameter")**	**(111031, DCM, "Image View") = (SRT, G-0397, "Parasternal short axis")**
2D/PV Area Alias: PV Area	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-0373, SRT, "Image Mode") =**

		(G-03A2, SRT, "2D mode") or (R-409E2, SRT, "Doppler Color Flow") depending on scan mode
MM/Q-to-PV close Alias: Q-to-PV close	(20295-2, LN, "Time from Q wave to Pulmonic Valve Closes")	(G-0373, SRT, «Image Mode») = (G-0394, SRT, «M mode»)
PV Vmax Alias: PV Vmax	(11726-7, LN, "Peak Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV Vmax P Alias: PV Vmax	(11726-7, LN, "Peak Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV maxPG Alias: PV maxPG	(20247-3, LN, "Peak Gradient")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV Vmean Alias: PV Vmean	(20352-1, LN, "Mean Velocity")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV meanPG Alias: PV meanPG	(20256-4, LN, "Mean Gradient")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV Acc Time Alias: PV AccT	(20168-1, LN, "Acceleration Time")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV VTI Alias: PV VTI	(20354-7, LN, "Velocity Time Integral")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PV Env.Ti Alias: PV Env.Ti	(GEU-106-0086, "Time duration of the VTI trace on Pulmonic Valve")	(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed») (G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")
PVA (VTI) Alias: PVA (VTI)	(G-038E, SRT, "Cardiovascular Orifice Area")	(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow") (G-C036, SRT, "Measurement Method") = (125215, DCM, "Continuity Equation by Velocity Time Integral")

PVA (Vmax) **Alias: PVA (Vmax)**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")** **(G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**
PVA (Vmax)P **Alias: PVA (Vmax)**	**(G-038E, SRT, "Cardiovascular Orifice Area")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")** **(G-C036, SRT, "Measurement Method") = (125214, DCM, "Continuity Equation by Peak Velocity")**
PV HR **Alias: HR**	**(8867-4, LN, "Heart rate")**	
PV SV **Alias: PV SV**	**(F-32120, SRT, "Stroke Volume")**	
PV CO **Alias: PV CO**	**(F-32100, SRT, "Cardiac Output")**	
PV SI **Alias: PV SI**	**(F-00078, SRT, "Stroke Index")**	
PV CI **Alias: PV CI**	**(F-32110, SRT, "Cardiac Index")**	
PVO **Alias : PVO**	**(GEU-106-0143, 99GEMS, "Pulmonic Valve Opening Time")**	
PVC **Alias : PVC**	**(GEU-106-0144, 99GEMS, "Pulmonic Valve Closing Time")**	
PV dp/dt **Alias: PV dp/dt**	**(59120-6, LN, "Pulmonic valve antegrade dp/dt [pressure rate] by US")**	**(G-0373, SRT, «Image Mode») = (R-409E4, SRT, «Doppler Pulsed»)** **(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**
PV Acc Slope **Alias: PV Acc Slope**	**(20167-3, LN, "Acceleration Slope")**	**(G-C048, SRT, "Direction of Flow") = (R-42047, SRT, "Antegrade Flow")**