

INSTRUCTIONS:

- The Study Coordinator should complete questions A1-A6 and Sections B and C of this form and Section A of Form V301.
- The ultrasonographer who performs the echocardiographic measurements should complete questions A7-A11 and Sections D through H of this form and Section I of Form V301.
- Please use -8 as the special value code for measurements that are NOT measurable

Section A: KEY IDENTIFYING INFORMATIONA1. Study Identification Number _____ REMOVED
BLIND_ID

A2. Acrostic Identifier _____ REMOVED

A3. Study visit number VISITNUM
 BASELINE0
 FOLLOW-UP VISIT 1.....1
 FOLLOW-UP VISIT 2.....2
 FOLLOW-UP VISIT 3.....3
 FOLLOW-UP VISIT 4.....4

A4. Date of echocardiogram _____ / _____ / _____ REMOVED
M M D D Y Y Y Y AGE_ECHO_DA5. Date of form completion _____ / _____ / _____ REMOVED
M M D D Y Y Y Y AGE_COMPA6. Name of Study Coordinator completing
questions A1-A6 and Sections B and C
of form REMOVED
PRINT FULL NAME _____ INITIALS _____

A7. Name of Primary ultrasonographer who acquired the images [Physician or technician]: Print the initials, first name, and last name of the ultrasonographer who acquired the primary images. Note that initials will be validated.

**IF THIS IS A FOLLOW-UP STUDY ECHOCARDIOGRAM, THE PRIMARY
ULTRASONAGRAPHER SHOULD BE THE PERSON WHO ACQUIRED THE IMAGES
FOR THE BASELINE STUDY ECHO.**

INITIALS _____
REMOVEDFIRST NAME _____
REMOVEDLAST NAME _____
REMOVED

A8. Name of Secondary ultrasonographer who acquired the images [Physician or technician]

INITIALS _____
REMOVEDFIRST NAME _____
REMOVEDLAST NAME _____
REMOVEDA9. Name of ultrasonographer who performed the measurements [Physician or technician]

IF THIS IS A FOLLOW-UP STUDY ECHOCARDIOGRAM, THE ULTRASONAGRAPHER WHO OBTAINS THE MEASUREMENTS SHOULD BE THE PERSON WHO OBTAINED THE BASELINE MEASUREMENTS.

INITIALS
REMOVED

FIRST NAME
REMOVED

LAST NAME
REMOVED

A10. How were the measurements performed? **PERFORMMT**

- ON-LINE 1
OFF-LINE..... 2
COMBINATION OF ON- AND OFF-LINE 3

A11. Ultrasound machine manufacturer and model used to perform the echocardiogram

- a. Machine manufacturer **MANUFACT**
- PHILLIPS (HEWLETT-PACKARD)..... 1
ACUSON..... 2
ATL 3
GE..... 4
TOSHIBA 5
OTHER 99

1. If OTHER, specify _____
SPECMANU

- b. Model number or name **MODELNUM**
- 4500 (Phillips) 1
5500 (Phillips) 2
7500 (Phillips) 3
HDI (ATL)..... 4
SEQUOIA (Acuson)..... 5
VIVID 7 (GE) 6
OTHER 99

1. If OTHER, specify _____
SPECMOD

Section B: CLINICAL ASSESSMENT

B1. Length or height at echocardiogram _____.____ cm **HT_ECHO**

B2. Weight at echocardiogram _____.____ kg **WT_ECHO**
<created var> Body surface area at echo, kg/m² **BSA_ECHO**

B3. Blood Pressure

a. Systolic blood pressure _____.____ mmHg **SBP**

b. Diastolic blood pressure _____.____ mmHg **DBP**

c. Mean blood pressure _____.____ mmHg **MBP**

B4. Sedation **SEDATION** NO SEDATION 1

MODERATE SEDATION 2

GENERAL ANESTHESIA 3

Section C: DIGITAL CONVERSION**CONVERSION DISC #1 FOR PRIMARY ULTRASONOGRAPHER**

C1. (Blinded) Echo ID **REMOVED** _____ - _____ - _____ - _____

Affix **Primary Ultrasonographer CD Set 1** Echo ID label
and use this ID to anonymize the disc with images acquired
by the primary ultrasonographer

CONVERSION DISC #2 FOR SECONDARY ULTRASONOGRAPHER

C2. (Blinded) Echo ID **REMOVED** _____ - _____ - _____ - _____

Affix **Secondary Ultrasonographer CD Set 2** Echo ID label
and use this ID to anonymize the disc with images acquired
by the secondary ultrasonographer

ALL MEASUREMENTS TO BE OBTAINED BY THE ULTRASONOGRAPHER LISTED IN A9**Section D: LEFT VENTRICULAR FUNCTION**

D0.	Were regional wall motion abnormalities or septal flattening present at any time during the cardiac cycle? LABNCYC	YES 1	NO 2
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m-mode		a. Beat 1	b. Beat 2	c. Beat 3
D1.	End-diastolic short axis dimension (cm) LMMEDSAD_AVG	_____	_____	_____
D2.	End-systolic short axis dimension (cm) LMESSAD_AVG	LMMESSAD1	LMMESSAD2	LMMESSAD3
D3.	End-diastolic septal thickness (cm) LMMEDST_AVG	LMMEDST1	LMMEDST2	LMMEDST3
D4.	End-systolic septal thickness (cm) LMMESST_AVG	LMMESST1	LMMESST2	LMMESST3
D5.	End-diastolic posterior wall thickness (cm) LMMEDPWT_AVG	LMMEDPWT1	LMMEDPWT2	LMMEDPWT3
D6.	End-systolic posterior wall thickness (cm) LMMESPWT_AVG	LMMESPWT1	LMMESPWT2	LMMESPWT3

2-D LEFT VENTRICULAR FUNCTION

D7.	End-diastolic short axis dimension (cm) L2DEDSAD_AVG	_____	_____	_____
D8.	End-systolic short axis dimension (cm) L2DESSAD_AVG	L2DESSAD1	L2DESSAD2	L2DESSAD3
D9.	End-diastolic septal thickness (cm) L2DEDST_AVG	L2DEDST1	L2DEDST2	L2DEDST3
D10.	End-systolic septal thickness (cm) L2DESST_AVG	L2DESST1	L2DESST2	L2DESST3
D11.	End-diastolic posterior wall thickness (cm) L2DEDPWT_AVG	L2DEDPWT1	L2DEDPWT2	L2DEDPWT3

2-D LEFT VENTRICULAR FUNCTION

D12.	End-systolic posterior wall thickness (cm) L2DESPWT_AVG	_____	_____	_____
D13.	End-diastolic 4-ch endocardial long axis dimension (cm) L2DEDLAD_AVG	L2DEDLAD1	L2DEDLAD2	L2DEDLAD3
D14.	End-systolic 4-ch endocardial long axis dimension (cm) L2DESLAD_AVG	L2DESLAD1	L2DESLAD2	L2DESLAD3
D15.	End-diastolic 4-ch epicardial long axis dimension (cm) L2DEPD_AVG	L2DEPD1	L2DEPD2	L2DEPD3
D16.	End-diastolic short axis endocardial area (cm^2) L2DEDEN_AVG	L2DEDEN1	L2DEDEN2	L2DEDEN3
D17.	End-diastolic short axis epicardial area (cm^2) L2DEDEPA_AVG	L2DEDEPA1	L2DEDEPA2	L2DEDEPA3
D18.	End-systolic short axis endocardial area (cm^2) L2DESENA_AVG	L2DESENA1	L2DESENA2	L2DESENA3
D19.	End-diastolic 4-ch long axis endocardial area (cm^2) L2DED4ENA_AVG	L2DED4ENA1	L2DED4ENA2	L2DED4ENA3
D20.	End-diastolic 4-ch long axis epicardial area (cm^2) L2DED4EPA_AVG	L2DED4EPA1	L2DED4EPA2	L2DED4EPA3
D21.	End-systolic 4-ch long axis endocardial area (cm^2) L2DES4ENA_AVG	L2DES4ENA1	L2DES4ENA2	L2DES4ENA3
D22.	End-diastolic 2-ch long axis endocardial area (cm^2)	_____	_____	_____

2-D LEFT VENTRICULAR FUNCTION

	L2DED2ENA_AVG	L2DED2ENA1	L2DED2ENA2	L2DED2ENA3
D23.	End-diastolic 2-ch long axis epicardial area (cm ²)	-----	-----	-----
	L2DED2EPA_AVG	L2DED2EPA1	L2DED2EPA2	L2DED2EPA3
D24.	End-systolic 2-ch long axis endocardial area (cm ²)	-----	-----	-----
	L2DES2ENA_AVG	L2DES2ENA1	L2DES2ENA2	L2DES2ENA3

Section E: AORTIC VALVE

		a. Beat 1	b. Beat 2	c. Beat 3
E1.	Aortic annulus diameter (cm)	-----	-----	-----
	LAVANDIA_AVG	LAVANDIA1	LAVANDIA2	LAVANDIA3
E2.	Ejection time (msec) [m-mode]	-----	-----	-----
	LAVEJMM_AVG	LAVEJMM1	LAVEJMM2	LAVEJMM3
E3.	M-mode R-R interval (msec)	-----	-----	-----
	LAVMMRRI_AVG	LAVMMRRI1	LAVMMRRI2	LAVMMRRI3
E4.	Ejection time (msec) [Doppler]	-----	-----	-----
	LAVEJDP_AVG	LAVEJDP1	LAVEJDP2	LAVEJDP3
E5.	Doppler R-R interval (msec)	-----	-----	-----
	LAVDPRRI_AVG	LAVDPRRI1	LAVDPRRI2	LAVDPRRI3
E6.	Peak velocity (m/sec)	-----	-----	-----
	LAVPKVEL_AVG	LAVPKVEL1	LAVPKVEL2	LAVPKVEL3
E7.	Mean velocity (m/sec)	-----	-----	-----
	LAVMNVEL_AVG	LAVMNVEL1	LAVMNVEL2	LAVMNVEL3
E8.	Time-velocity integral (cm)	-----	-----	-----
	LAVTVINTCM_AVG	LAVTVINTCM1	LAVTVINTCM2	LAVTVINTCM3

Section F: MITRAL VALVE

	a. Beat 1	b. Beat 2	c. Beat 3
F1. R-R interval (msec) [m-mode]	— — — —	— — — —	— — — —
LMVRRINT_AVG	LMVRRINT1	LMVRRINT2	LMVRRINT3
F2. Onset of ICT to end of IRT (msec) [m-mode]	— — — —	— — — —	— — — —
LMVICTMM_AVG	LMVICTMM1	LMVICTMM2	LMVICTMM3
F3. Inflow summation wave present?	YES 1 NO 2 If F3a = 1 (YES), enter -1 (N/A) for F4a, F5a, F6a, F7a	YES 1 NO 2 If F3b = 1 (YES), enter -1 (N/A) for F4b, F5b, F6b, F7b	YES 1 NO 2 If F3c = 1 (YES), Enter -1 (N/A) for F4c, F5c, F6c, F7c
LMVINSUM1	LMVINSUM2	LMVINSUM3	
F4. Peak early velocity (m/sec)	— · — —	— · — —	— · — —
LMVPEVEL_AVG	LMVPEVEL1	LMVPEVEL2	LMVPEVEL3
F5. Peak atrial velocity (m/sec)	— · — —	— · — —	— · — —
LMVPAVEL_AVG	LMVPAVEL1	LMVPAVEL2	LMVPAVEL3
F6. Early deceleration time (msec)	— — — —	— — — —	— — — —
LMVEDCL_AVG	LMVEDCL1	LMVEDCL2	LMVEDCL3
F7. A-wave duration (msec)	— — — —	— — — —	— — — —
LMVAWAVE_AVG	If F3a = 2 (NO), enter -1 (N/A) for F8a LMVAWAVE1	If F3b = 2 (NO), enter -1 (N/A) for F8b LMVAWAVE2	If F3c = 2 (NO), enter -1 (N/A) for F8c LMVAWAVE3
F8. Peak summation wave velocity (m/sec)	— · — —	— · — —	— · — —
LMVPKSUM_AVG	LMVPKSUM1	LMVPKSUM2	LMVPKSUM3
F9. Onset of ICT to end of IRT (msec) [Doppler]	— — — —	— — — —	— — — —
LMVICTDP_AVG	LMVICTDP1	LMVICTDP2	LMVICTDP3
F10. Mitral regurgitation jet sample recorded?	YES 1 NO 2 (F12a) LMVREGUR1		
F11. Time interval between MR velocity of 1 and 3 m/sec (msec)	— — — —	— — — —	— — — —
LMVINT_AVG	LMVINT1	LMVINT2	LMVINT3
For F12, please use -888 as the special value code if flow propagation velocity cannot be assessed.			
F12. Left ventricular flow propagation velocity (cm/sec)	— — — —	— — — —	— — — —
LMVLVFLW_AVG	LMVLVFLW1	LMVLVFLW 2	LMVLVFLW 3

Section G: MITRAL PLUS AORTIC DOPPLER IN OUTFLOW TRACT

		a. Beat 1	b. Beat 2	c. Beat 3
G1.	Ejection time (Doppler) (msec) LMADEJCT_AVG	----- LMADEJCT1	----- LMADEJCT2	----- LMADEJCT3
G2.	Onset of ICT to end of IRT (Doppler) (msec) LMADICT_AVG	----- LMADICT1	----- LMADICT2	----- LMADICT3
G3.	R-R interval (msec) LMADRINT_AVG	----- LMADRINT1	----- LMADRINT2	----- LMADRINT3

Section H: PULMONARY VEIN DOPPLER

		a. Beat 1	b. Beat 2	c. Beat 3
H1.	Duration of flow reversal during atrial systole (msec) LFLWREVR_AVG	----- LFLWREVR1	----- LFLWREVR2	----- LFLWREVR3

<Created Variables>

	a. Beat 1	b. Beat 2	c. Beat 3
Left Ventricular Function			
Ventricle Mass, gm (m-mode) LVNTMAMM_AVG	LVNTMAMM1	LVNTMAMM2	LVNTMAMM3
Thickness to dimension ratio (m-mode) LRATIO_AVG	LRATIO1	LRATIO2	LRATIO3
Shortening fraction, % (m-mode) LSHRTFMM_AVG	LSHRTFMM1	LSHRTFMM2	LSHRTFMM3
Velocity of fiber shortening (m-mode) LVFSMM_AVG	LVFSMM1	LVFSMM2	LVFSMM3
End-systolic stress, gm/cm ² (m-mode) LESSTRMMP_AVG	LESSTRMMP1	LESSTRMMP2	LESSTRMMP3
End-systolic fiberstress, gm/cm ² (m-mode) LESFSMM_AVG	LESFSMM1	LESFSMM2	LESFSMM3
EDV, ml [5/6*area*length] LEDV_AVG	LEDV1	LEDV2	LEDV3
ESV, ml [5/6*area*length] LESV_AVG	LESV1	LESV2	LESV3
Stroke volume [5/6*area*length] LSTRKV_AVG	LSTRKV1	LSTRKV2	LSTRKV3
Ejection fraction, % [5/6*area*length] LEJFRA_AVG	LEJFRA1	LEJFRA1	LEJFRA1
Ventricle Mass, gm [5/6*area*length] LVENTMA_AVG	LVENTMA1	LVENTMA2	LVENTMA3
Mass:Volume Ratio [5/6*area*length] LMVR_AVG	LMVR1	LMVR2	LMVR3
Thickness to dimension ratio (2D) LRATIO2D_AVG	LRATIO2D1	LRATIO2D2	LRATIO2D3
Ventricular Mass, gm (Devereux-2D) LVNTMADEV_AVG	LVNTMADEV1	LVNTMADEV2	LVNTMADEV3
Cardiac output [5/6*area*length] LCOUT_AVG	LCOUT1	LCOUT2	LCOUT3
Cardiac index [5/6*area*length] LCIND_AVG	LCIND1	LCIND2	LCIND3
Systemic resist [5/6*area*length] LSYSRS_AVG	LSYSRS1	LSYSRS2	LSYSRS3

Form V300: Local Echocardiography (Part 1)

	a. Beat 1	b. Beat 2	c. Beat 3
End-systolic stress, gm/cm ² [5/6*area*length] LESSTR_AVG	LESSTR1	LESSTR2	LESSTR3
End-systolic fiberstress, gm/cm ² [5/6*area*length] LESFS_AVG	LESFS1	LESFS2	LESFS3
End-systolic meridional stress, gm/cm ² LESSTR2D_AVG	LESSTR2D1	LESSTR2D2	LESSTR2D3
End-systolic fiberstress, gm/cm ² (2D) LESFS2D_AVG	LESFS2D1	LESFS2D2	LESFS2D3
Sphericity index LSPHER_AVG	LSPHER1	LSPHER2	LSPHER3
Eccentricity index LECCEN_AVG	LECCEN1	LECCEN2	LECCEN3
Shortening fraction LSHRTF2D_AVG	LSHRTF2D1	LSHRTF2D2	LSHRTF2D3
Velocity of fiber shortening LVFS2D_AVG	LVFS2D1	LVFS2D2	LVFS2D3
AORTIC VALVE			
Aortic annulus area, cm ² LAVANAR_AVG	LAVANAR1	LAVANAR2	LAVANAR3
Aortic stroke volume LAVSTRKV_AVG	LAVSTRKV1	LAVSTRKV2	LAVSTRKV3
Aortic cardiac output LAVCOUT_AVG	LAVCOUT1	LAVCOUT2	LAVCOUT3
Aortic cardiac index LAVCIND_AVG	LAVCIND1	LAVCIND2	LAVCIND3
Aortic Valve: Systemic resistance LAVSYSRS_AVG	LAVSYSRS1	LAVSYSRS2	LAVSYSRS3
MITRAL VALVE			
Mitral Early velocity/Atrial velocity LMVEVAV_AVG	LMVEVAV1	LMVEVAV2	LMVEVAV3
MITRAL PLUS AORTIC DOPPLER IN OUTFLOW TRACT			
Tei index (Simul. Doppler) LMATEISED_AVG	LMATEISED1	LMATEISED2	LMATEISED3
Tei index (Separate Doppler) LMATEISID_AVG	LMATEISID1	LMATEISID2	LMATEISID3
Tei index (m-mode) LMATEIMM_AVG	LMATEIMM1	LMATEIMM2	LMATEIMM3

CONTINUE TO FORM V301: LOCAL ECHOCARDIOGRAPHY FORM (PART 2)

Section A: KEY IDENTIFYING INFORMATION

A1. Study Identification Number _____ - _____ - _____ - _____ REMOVED
BLIND_ID

A2. Acrostic Identifier _____ - _____ - _____ REMOVED

A3. Study visit number VISITNUM
 BASELINE 0
 FOLLOW-UP VISIT 1 1
 FOLLOW-UP VISIT 2 2
 FOLLOW-UP VISIT 3 3
 FOLLOW-UP VISIT 4 4

A4. Date of echocardiogram
 _____ / _____ / _____
 M M D D Y Y Y Y REMOVED
AGE_ECHO_D

A5. Date of form completion
 _____ / _____ / _____
 M M D D Y Y Y Y REMOVED
AGE_COMP

Section I: TISSUE DOPPLER

		a. Beat 1	b. Beat 2	c. Beat 3
Left lateral atrioventricular valve annulus velocity				
I1.	R-R interval (msec) LLLINT_AVG	_____	LLLINT1	LLLINT2
I2.	Isovolumic contraction acceleration (cm/sec/sec) LLLISO_AVG	_____	LLLISO1	LLLISO1
I3.	Summation wave present? If I3a = 1 (YES), enter -1 (N/A) for I4a, I5a	YES 1 NO 2 If I3a = 1 (YES), enter -1 (N/A) for I4a, I5a LLSUMWV1	YES 1 NO 2 If I3b = 1 (YES), enter -1 (N/A) for I4b, I5b LLSUMWV1	YES 1 NO 2 If I3c = 1 (YES), enter -1 (N/A) for I4c, I5c LLSUMWV1
I4.	Peak early diastolic velocity (cm/sec) LLPEDV_AVG	_____. ____	_____. ____	_____. ____
I5.	Peak atrial diastolic velocity (cm/sec) LLPADV_AVG	_____. ____	LLPEDV2	LLPEDV3
I6.	Peak diastolic summation wave velocity (cm/sec)	_____. ____	LLPADV2 If I3a = 2 (NO), enter -1 (N/A) for I6a _____. ____	LLPADV3 If I3c = 2 (NO), enter -1 (N/A) for I6c _____. ____

		a. Beat 1	b. Beat 2	c. Beat 3
I7.	LLLPKSUM_AVG Peak systolic velocity (cm/sec) LLPKSV_AVG	LLLPKSUM1 _____. LLPKSV1	LLLPKSUM2 _____. LLPKSV2	LLLPKSUM3 _____. LLPKSV3
I8.	Ejection time (msec) LLLEJCT_AVG	_____. LLLEJCT1	_____. LLLEJCT2	_____. LLLEJCT3
I9.	Onset of ICT to end of IRT (msec) LLLICT_AVG	_____. LLLICT1	_____. LLLICT2	_____. LLLICT3

Septal atrioventricular valve annulus velocity

I10.	R-R interval (msec) LSVRINT_AVG	_____. LSVRINT1	_____. LSVRINT2	_____. LSVRINT3
I11.	Isovolumic contraction acceleration (cm/sec/sec) LSVISO_AVG	_____. LSVISO1	_____. LSVISO2	_____. LSVISO3
I12.	Summation wave present? YES 1 NO 2 If I12a = 1 (YES), enter -1 (N/A) for I13a, I14a	YES 1 NO 2 If I12a = 1 (YES), enter -1 (N/A) for I13a, I14a LSVSUMWV1	YES 1 NO 2 If I12b = 1 (YES), enter -1 (N/A) for I13b, I14b LSVSUMWV2	YES 1 NO 2 If I12c = 1 (YES), enter -1 (N/A) for I13c, I14c LSVSUMWV3
I13.	Peak early diastolic velocity (cm/sec) LSVPEDV_AVG	_____. LSVPEDV1	_____. LSVPEDV2	_____. LSVPEDV3
I14.	Peak atrial diastolic velocity (cm/sec) LSVPADV_AVG	_____. LSVPADV1	_____. LSVPADV2	_____. LSVPADV3
I15.	Peak diastolic summation wave velocity (cm/sec) LSVPKSUM_AVG	_____. LSVPKSUM1	_____. LSVPKSUM2	_____. LSVPKSUM3
I16.	Peak systolic velocity (cm/sec) LSVPKSV_AVG	_____. LSVPKSV1	_____. LSVPKSV2	_____. LSVPKSV3
I17.	Ejection time (msec) LSVEJCT_AVG	_____. LSVEJCT1	_____. LSVEJCT2	_____. LSVEJCT3
I18.	Onset of ICT to end of IRT (msec)	_____.	_____.	_____.

		a. Beat 1	b. Beat 2	c. Beat 3
	LSVICT_AVG	LSVICT1	LSVICT2	LSVICT3
Right lateral atrioventricular valve annulus velocity				
I19.	R-R interval (msec) LRLINT_AVG	— — — — LRLINT1	— — — — LRLINT2	— — — — LRLINT3
I20.	Isovolumic contraction acceleration (cm/sec/sec) LRLISO_AVG	— — — — LRLISO1	— — — — LRLISO2	— — — — LRLISO3
I21.	Summation wave present? If I21a = 1 (YES), enter -1 (N/A) for I22a, I23a	YES 1 NO 2 If I21a = 1 (YES), enter -1 (N/A) for I22a, I23a	YES 1 NO 2 If I21b = 1 (YES), enter -1 (N/A) for I22b, I23b	YES 1 NO 2 If I21c = 1 (YES), enter -1 (N/A) for I22c, I23c
I22.	Peak early diastolic velocity (cm/sec) LRPEDV_AVG	— — . — LRPEDV1	— — . — LRPEDV2	— — . — LRPEDV3
I23.	Peak atrial diastolic velocity (cm/sec) LRPADV_AVG	— — . — LRPADV1	— — . — LRPADV2	— — . — LRPADV3
I24.	Peak diastolic summation wave velocity (cm/sec) LRPKSUM_AVG	— — . — LRPKSUM1	— — . — LRPKSUM2	— — . — LRPKSUM3
I25.	Peak systolic velocity (cm/sec) LRPKSV_AVG	— — . — LRPKSV1	— — . — LRPKSV2	— — . — LRPKSV3
I26.	Ejection time (msec) LRLEJCT_AVG	— — — LRLEJCT1	— — — LRLEJCT2	— — — LRLEJCT3
I27.	Onset of ICT to end of IRT (msec) LRLICT_AVG	— — — LRLICT1	— — — LRLICT2	— — — LRLICT3
Left lateral atrioventricular valve annulus velocity				
I28.	Time interval from QRS interval to onset of systolic wave (msec) LLLQRSONS_AVG	— — — LLLQRSONS1	— — — LLLQRSONS2	— — — LLLQRSONS3

		a. Beat 1	b. Beat 2	c. Beat 3
I29.	Time interval from QRS interval to peak velocity of systolic wave (msec) LLLQRSPK_AVG	_____	_____	_____

Septal atrioventricular valve annulus velocity

I30.	Time interval from QRS interval to onset of systolic wave (msec) LSQRSONS_AVG	_____	_____	_____
I31.	Time interval from QRS interval to peak velocity of systolic wave (msec) LSQRSPK_AVG	_____	_____	_____

Right lateral atrioventricular valve annulus velocity

I32.	Time interval from QRS interval to onset of systolic wave (msec) LRLQRSONS_AVG	_____	_____	_____
I33.	Time interval from QRS interval to peak velocity of systolic wave (msec) LRLQRSPK_AVG	_____	_____	_____

<Created variables>

		a. Beat 1	b. Beat 2	c. Beat 3
	LL AV vel: Tei index LLLTEI_AVG	_____	_____	_____
	LL AV vel: Early velocity/Atrial velocity LLLEVAV_AVG	_____	_____	_____
	S AV vel: Tei index LSVTEI_AVG	_____	_____	_____
	S AV vel: Early velocity/Atrial velocity LSVEVAV_AVG	_____	_____	_____

		a. Beat 1	b. Beat 2	c. Beat 3
RL AV vel: Tei index		— — —	— — —	— — —
LRLTEI_AVG		LRLTEI1	LRLTEI2	LRLTEI3
RL AV vel: Early velocity/Atrial velocity		— — —	— — —	— — —
LRLEVAV_AVG		LRLEVAV1	LRLEVAV2	LRLEVAV3
Left ventricular free wall E/E'		— — —	— — —	— — —
LEELVFW_AVG		LEELVFW1	LEELVFW2	LEELVFW3
Septal E/E'		— — —	— — —	— — —
LEESEPTUM_AVG		LEESEPTUM1	LEESEPTUM2	LEESEPTUM3
Average of septal and left E/E'		— — —	— — —	— — —
LEEAVG_AVG		LEEAVG1	LEEAVG2	LEEAVG3