PARTICIPANT ID	DATE	STAFF ID	VISIT
Y1PPTID	Y1DATE	Y1STAFID	BASELINE

HEART AND SOUL STUDY

CARDIOLOGY DATA COLLECTION FORM

SSN: ___ - ___ - Y1CSSN

DOB: ___ / ___ / Y1CDOB

First Name: Y1CFNM

Weight: Y1CWGHT1 lbs Y1CWGHT2 oz

Last Name: Y1CLNM

Height: ___ . Y1HGHT inches

Fellow's Last Name: Y1CFEL

BSA: ___ . Y1CBSA m2

RESTING MEASUREMENTS

Cuff size: Y1REST1 [1] Small [2] Medium [3] Large

Arm used: Y1REST2 [1] Right [2] Left

(Make sure the same arm and cuff size will be used during treadmill)

Supine blood pressure (taken manually, after at least 5 minutes supine): Y1REST3 ___ / ___ mmHg

Pulse (after at least 5 minutes supine): Y1REST4 ___ beats/min

O2 Sat: Y1REST5 ___ %

SUPINE 12-LEAD EKG (RESTING)

Time of resting EKG: ___ : Y1EKG1

Date fellow completed EKG form: ___ / ___ / Y1EKG2

RESTING ECHO MEASUREMENTS

Date: ☐☐ / ☐☐ / ☐☐ Y1RECH1 **Time:** ☐☐ : ☐☐ Y1RECH2

Nonstenotic aortic sclerosis: Y1RECH3 [1] Yes [0] No

Aortic valve area: ☐.☐☐ Y1RECH4 cm2

Transaortic gradient, peak: ☐☐.☐ Y1RECH5 mmHg

Transaortic gradient, mean: ☐☐.☐ Y1RECH6 mmHg

Aortic regurgitation: Y1RECH7

[0] None [1] Trace [2] Mild

[3] Moderate [4] Severe

Tricuspid regurgitation: Y1RECH8

[0] None [1] Trace [2] Mild

[3] Moderate [4] Severe

Mitral stenosis: Y1RECH9

[1] Yes [0] No

Mitral valve prolapse: Y1RECH10

[1] Yes [0] No

Mitral anular calcification (MAC) grade: Y1RECH11

[0] None [1] 1

[2] 2 [3] 3

Mitral regurgitation: Y1RECH12

[0] None [1] Trace [2] Mild

[3] Moderate [4] Severe

Pulmonic stenosis: Y1RECH13

[1] Yes [0] No

Right atrial pressure: ☐☐ Y1RECH14 mmHg
(Measured by IVC)

RV/RA gradient: ☐☐.☐ Y1RECH15 mmHg

Avg. end systolic left atrial volume: ☐☐☐.☐ Y1RECH16 ml

Posterior wall thickness (M-mode): ☐☐.☐ Y1RECH17 mm

Septum thickness (M-mode): ☐☐.☐ Y1RECH18 mm

LV mass (truncated ellipsoid): ☐☐☐.☐ Y1RECH19 grams

Avg. LV end systolic volume: ☐☐☐.☐ Y1RECH20 ml

Avg. LV end diastolic volume: ☐☐☐.☐ Y1RECH21 ml

Pulmonary venous flow: Y1RECH22

[1] systolic dominant

[0] diastolic dominant

E wave: ☐.☐☐ Y1RECH23 m/s

A wave: ☐.☐☐ Y1RECH24 m/s

RESTING ECHO WALL MOTION SCORE

	Normal 1	Hypokinesis 2	Akinesis 3	Dyskinesis 4	Aneurysm 5	Not visualized
Basal anteroseptum Y1RECH25	1	2	3	4	5	0
Basal anterior wall Y1RECH26	1	2	3	4	5	0
Basal anterolateral wall Y1RECH27	1	2	3	4	5	0
Basal posterolateral wall Y1RECH28	1	2	3	4	5	0
Postero-(or infero-) basal wall Y1RECH29	1	2	3	4	5	0
Inferobasal septum Y1RECH30	1	2	3	4	5	0
Midanteroseptum Y1RECH31	1	2	3	4	5	0
Midanterior wall Y1RECH32	1	2	3	4	5	0
Midanterolateral wall Y1RECH33	1	2	3	4	5	0
Midposterolateral wall Y1RECH34	1	2	3	4	5	0
Midinferior wall Y1RECH35	1	2	3	4	5	0
Midinferoseptum Y1RECH36	1	2	3	4	5	0
Apical septum Y1RECH37	1	2	3	4	5	0
Anteroapex Y1RECH38	1	2	3	4	5	0
Lateral apex Y1RECH39	1	2	3	4	5	0
Inferior apex Y1RECH40	1	2	3	4	5	0

TREADMILL MEASUREMENTS (including *for Duke Treadmill score), Standard Bruce Protocol)

Date: ☐☐ / ☐☐ / ☐☐ Y1TRDM1 **Time:** ☐☐ : ☐☐ Y1TRDM2

BP at peak exercise, taken manually: ☐☐☐ / ☐☐☐ Y1TRDM3 mmHg

(Make sure the same arm and cuff size as resting BP are used)

HR at peak exercise: ☐☐☐ Y1TRDM4 beats/min ***Duration of exercise** ☐☐ Y1TRDM5 mins ☐☐ Y1TRDM6 secs

HR at exactly 60 seconds post exercise: ☐☐☐ Y1TRDM7 beats/min

***Angina:** Y1TRDM8 ☐0 No Angina ☐1 Nonlimiting angina ☐2 Angina was the reason patient stopped exercising

Patient stopped exercise due to:

☐1 Chest pain Y1TRDM9A

☐1 Shortness of breath Y1TRDM9B

☐1 Leg pain Y1TRDM9C

☐1 Arrhythmia Y1TRDM9D

☐1 Knee pain Y1TRDM9E

☐1 ST segment depression Y1TRDM9F

☐1 Fatigue Y1TRDM9G

☐1 Other Y1TRDM9H

Please specify: ☐☐☐☐☐☐☐☐☐☐ Y1TRDM10 ☐☐☐☐

Arrhythmia during exercise: Y1TRDM11 ☐0 None ☐1 Atrial ☐2 Ventricular

Arrhythmia during recovery: Y1TRDM12 ☐0 None ☐1 Atrial ☐2 Ventricular

Maximal number of PVCs per minute: ☐☐ Y1TRDM13

Maximum number of METS achieved: ☐☐ Y1TRDM14

Other electrocardiographic findings: Y1TRDM15

***Largest net ST segment deviation during or after exercise (millimeters):** Y1TRDM16 ___ mm

What lead?(check one only) 1 I 2 II 3 III 4 aVR 5 aVL 6 aVF Y1TRDM17

7 V1 8 V2 9 V3 10 V4 11 V5 12 V6

Largest net ST segment elevation during or after exercise (millimeters): Y1TRDM18 ___ mm

What lead?(check one only) 1 I 2 II 3 III 4 aVR 5 aVL 6 aVF

7 V1 8 V2 9 V3 10 V4 11 V5 12 V6 Y1TRDM19

Number of leads showing ST segment depression or elevation of 1mm or more: Y1TRDM20 ___

Time to onset of ST segment deviation: Y1TRDM21 ___ mins Y1TRDM22 ___ secs

ECHO MEASUREMENTS POST-EXERCISE

Time of post-exercise echo: ___ : ___ Y1EXEC1

Avg. LV end systolic volume: Y1EXEC2 ___ . ___ ml

Avg. LV end diastolic volume: Y1EXEC3 ___ . ___ ml

Exercise-induced wall motion abnormality:

0 No Y1EXEC4

1 Yes → 1 1 territory; 2 2 territories; 3 3 territories Y1EXEC5

POST-EXERCISE ECHO WALL MOTION SCORE

	Normal 1	Hypokinesis 2	Akinesis 3	Dyskinesis 4	Aneurysm 5	Not visualized
Basal anteroseptum Y1EXEC6	1	2	3	4	5	0
Basal anterior wall Y1EXEC7	1	2	3	4	5	0
Basal anterolateral wall Y1EXEC8	1	2	3	4	5	0
Basal posterolateral wall Y1EXEC9	1	2	3	4	5	0
Postero-(or infero-) basal wall Y1EXEC10	1	2	3	4	5	0
Inferobasal septum Y1EXEC11	1	2	3	4	5	0
Midanteroseptum Y1EXEC12	1	2	3	4	5	0
Midanterior wall Y1EXEC13	1	2	3	4	5	0
Midanterolateral wall Y1EXEC14	1	2	3	4	5	0
Midposterolateral wall Y1EXEC15	1	2	3	4	5	0
Midinferior wall Y1EXEC16	1	2	3	4	5	0
Midinferoseptum Y1EXEC17	1	2	3	4	5	0
Apical septum Y1EXEC18	1	2	3	4	5	0
Anteroapex Y1EXEC19	1	2	3	4	5	0
Lateral apex Y1EXEC20	1	2	3	4	5	0
Inferior apex Y1EXEC21	1	2	3	4	5	0

PARTICIPANT ID	DATE	STAFF ID	VISIT
Y1PPTID	Y1DATE	Y1STAFID	BASELINE

HEART AND SOUL STUDY

EXTRA ECHOCARDIOGRAPHIC DATA COLLECTION FORM

Parasternal long

Septum thickness (cm) 2D: Y1ECHO1

Post wall thickness (cm) 2D: Y1ECHO2

Asc Aorta diameter (cm) 2D: Y1ECHO3

LA diameter (cm) 2D: Y1ECHO4

LVOT diameter (cm) 2D: Y1ECHO5

TR velocity (m/s): Y1ECHO6 gradient Y1ECHO7

Parasternal short

PA VTI: Y1ECHO8

PI velocity diastolic (m/s): Y1ECHO9 gradient Y1ECHO10

TR velocity (m/s): Y1ECHO11 gradient Y1ECHO12

Septum thickness M-mode (cm): Y1ECHO13

Post wall thickness M-mode (cm): Y1ECHO14

Apical four

Color (Aortic valve): Y1ECHO19 — 0 None, 1 Mild, 2 Moderate, 3 Severe, 4 Trace

Color (Mitral valve): Y1ECHO20 — 0 None, 1 Mild, 2 Moderate, 3 Severe, 4 Trace

MV VTI: Y1ECHO21

MR velocity (m/s): Y1ECHO22 gradient Y1ECHO23

Mitral inflow (valve tips):

E: Y1ECHO24 A: Y1ECHO25 E/A: Y1ECHO26

Mitral DT: Y1ECHO27

MV a wave duration (msec): Y1ECHO28

Mitral P 1/2 Time: Y1ECHO29

Mitral IVRT (msec): Y1ECHO30

MV annular diameter (cm): Y1ECHO31

MV annulus level VTI: Y1ECHO32

MV color Mmode inflow (Delta t, duration msec, slope): Y1ECHO33

Pulmonary vein VTI (systolic): Y1ECHO34

Pulmonary vein VTI (diastolic): Y1ECHO35

Pulmonary vein a wave duration (msec): Y1ECHO36

TR velocity (m/s): Y1ECHO37 gradient Y1ECHO38

LAES vol. ML (vent systole) at rest: Y1ECHO39

LAED vol. ML (vent diastole) at rest: Y1ECHO40

RAES vol. ML (vent systole): Y1ECHO41

RAED vol. ML (vent diastole): Y1ECHO42

PARTICIPANT ID

HEART AND SOUL STUDY

Apical five

LVOT VTI: Y1ECHO47

LVOT PW velocity (m/s): Y1ECHO48

LVOT gradient peak: Y1ECHO49

LVOT gradient mean: Y1ECHO50

Ao VTI: Y1ECHO51

Ao velocity CW (m/s): Y1ECHO52

Ao gradient peak: Y1ECHO53

Ao gradient mean: Y1ECHO54

AVA: Y1ECHO55

Subcostal

IVC collapse-RAP (mmHg): Y1ECHO56 [1] 5 [2] 10 [3] 15 [4] 20

Abd aorta plaque score at rest: Y1ECHO58

Hepatic vein flow S vs D: Y1ECHO57 [1] Diastolic [2] Systolic [3] Codominant

Suprasternal (Rest)

Aortic arch diameter (cm) diastolic: Y1ECHO59

Aortic arch diameter (cm) systolic: Y1ECHO61

RPA diameter (cm) diastolic: Y1ECHO63

RPAdiameter (cm) systolic: Y1ECHO65

Decending aorta flow PW: Y1ECHO67

SVC doppler flow: Y1ECHO69 [1] Diastolic [2] Systolic [3] Codominant

LA: Y1ECHO70

Calculations	Rest	Stress
LVEDV biplaner:	Y1ECHO72	Y1ECHO73
LVESV biplaner:	Y1ECHO76	Y1ECHO77
SI:	Y1ECHO80	Y1ECHO81
EF (Bi-planar) %:	Y1ECHO82	Y1ECHO83
LV Mass Index (g/m2):	Y1ECHO84	
LV Mass (g):	Y1ECHO85	
PA systolic pressure (mmHg):	Y1ECHO86	

PARTICIPANT ID	DATE	STAFF ID	VISIT
Y1PPTID	Y1DATE	Y1STAFID	BASELINE

Last Name: Y1ECGLNM **First Initial:** Y1ECGFI **Last 4:** Y1ECGSSN

HEART AND SOUL STUDY

EKG DATA COLLECTION FORM

SECTION ONE

Date of EKG Reading: / / Y1ECGDAT

Rate: Y1RATE beats/min

Reader #1:

1 Ndrio Y1READ1

2 Aggarwal

3 Arain

Reader #2:

1 Ndrio Y1READ2

2 Aggarwal

3 Arain

RHYTHM (choose one):

1 Sinus Y1ECG1

2 Atrial Fibrillation

3 Atrial Flutter

4 Wndr Atrial Pacemaker

5 Supravent Arrhythmia

6 Vent Arrhythmia

7 A paced

8 V or A-V paced

AV CONDUCTION (choose one):

1 Normal Y1ECG2

2 First Degree AV Block
P-R interval >= **0.22 seconds** in any of the limb leads.

3 Mobitz I block (AV Wenckebach)
P-R interval becomes progressively longer until an atrial depolarization no longer initiates a ventricular response. The cycle is then resumed.

4 Mobitz II block
Not every P wave is followed by a QRS complex. The dropped beat occurs periodically with no change in the other P-R intervals.

5 Third degree block
P waves are not associated with QRS complexes.

6 Other
The atrioventricular conduction defect cannot be determined.

PARTICIPANT ID

VENTRICULAR HYPERTROPHY (choose one):

1 None **Y1ECG3**

2 LVH (Left Ventricular Hypertrophy)

R amplitude > **26 mm** in either **V5 or V6**
or R amplitude > **20 mm** in any leads **I, II, III, or AVF**
or R amplitude > **12 mm** in **Lead AVL** measured only on second to last complete normal beat
or R amplitude **> 15 mm but <= 20 mm** in lead **I**
or R amplitude in **V5 or V6, plus S** amplitude in **V1 > 35mm**.

3 LVH with strain

Criteria of LVH plus:
J point depression changes in any of the following leads: **I, II, AVL, AVF, V4-V6**.

4 RVH (Right Ventricular Hypertrophy)

R amplitude >= **5 mm** and **R** amplitude >= **S** amplitude in the majority of beats in **V1,**
plus S amplitude > **R** amplitude in **V2, V3, V4, V5 or V6**.

5 BVH (Bilateral Ventricular Hypertrophy)

Criteria for both **LVH and RVH** are present.

ATRIAL ENLARGEMENT (choose one):

1 None **Y1ECG4**

2 LAE (Left Atrial Enlargement)

Notched P wave in any standard lead with interpeak duration > **0.04 seconds**
or total **P wave duration** in any standard lead > **0.12 seconds**
or biphasic P wave with terminal negative deflection **(P > 0.04 sec and >= 1 mm** amplitude) in **V1**.

3 RAE (Right Atrial Enlargement)

Tall **P wave** > **2.5 mm** in a majority of beats in any of leads **II, III, AVF**.

4 BAE (Bilateral Atrial Enlargement)

Criteria present for both **LAE and RAE.**

5 Undeterminable by EKG

PARTICIPANT ID

VENTRICULAR CONDUCTION (choose one):

Y1ECG5

1 Normal

QRS duration **< 0.10 seconds** and axis between **-30 and 120 degrees.**

2 Incomplete RBBB (Right Bundle Branch Block)

QRS duration **>= 0.10 sec and < 0.12 sec** in each of leads **I, II, III, AVL, AVF,**
plus R' > R in either of leads **V1 or V2**.

3 RBBB

QRS duration **>= 0.12 sec** in majority of beats in any of leads **I, II, III, AVL, AVF,**
plus R' > R in leads **V1 or V2**
or QRS majority are upright,
plus R peak duration **>= 0.06 sec** in **V1 or V2**
or S duration > R duration in all beats in leads **I or II.**

4 Incomplete LBBB (Left Bundle Branch Block)

QRS duration **>= 0.10 sec and < 0.12 sec** in majority of beats of each of leads **I, AVL, V5, or V6**.

5 LBBB

QRS duration **>= 0.12 sec** in a majority of beats in any of leads **I, II, III, AVL, AVF,**
plus R peak duration **>= 0.06 sec** in a majority of beats in any of leads **I, II, AVL, V5, V6.** **Do not code in presence of third degree block or paced rhythm.**

6 LAFB (Left Anterior Fascicular Block)

QRS duration **< 0.12 sec** in the majority of beats in leads **I, II, III, AVL, AVF,**
plus initial **Q wave** amplitude **>= 0.25 mm and < 0.03 sec** duration in lead **I,**
plus left axis deviation of -45 degrees or more negative.

7 LAD

Left axis deviation of **-30 degrees** or more negative

8 LPFB (Left Posterior Fascicular Block)

QRS axis **> 120 degrees**.
plus QRS duration is normal
plus initial Q wave in leads **II, III, AVF**
plus initial R wave in leads **I, AVL**

9 RBBB & LAFB

RBBB with QRS axis of **-45 degrees** or more negative

1 RBBB & LPFB

RBBB with QRS axis **+120 degrees** or greater

1 IVCD (Intraventricular Conduction Defect)

QRS duration **>= 0.12 sec** in a majority of beats in leads **I, II, III, AVL, or AVF**.

PARTICIPANT ID

SECTION TWO

MINNESOTA CODE

Lateral site (leads I, aVL, V6) (PLEASE CHOOSE ONE):

Y1ECG6

1-1-1 [1] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.03 sec in lead I or V6.

1-1-2 [2] Q duration >= 0.04 sec in lead I or V6.

1-1-3 [3] Q duration >= 0.04 sec, plus R amplitude >= 3mm in lead aVL .

1-2-1 [4] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.02 sec and < 0.03 sec in lead I or V6.

1-2-2 [5] Q duration >= 0.03 sec and < 0.04 sec in lead I or V6.

1-2-3 [6] QS pattern in lead I. Do not code in the presence of complete LBBB.

1-2-8 [7] Initial R amplitude decreasing to 2 mm or less in every beat between V5 and V6. (All beats in lead V5 must have an initial R > 2 mm.). DO NOT CODE IN PRESENCE OF: complete LBBB, incomplete or complete RBBB, or RVH.

1-3-1 [8] Q/R amplitiude ratio >= 1/5 and < 1/3, plus Q duration >= 0.02 sec and < 0.03 sec in lead I or V6.

1-3-3 [9] Q duration >= 0.03 sec and < 0.04 sec, plus R amplitude >= 3 mm in lead aVL.

[1] None of the above.

Posterior (inferior) site (leads II, III, aVF) (PLEASE CHOOSE ONE):

Y1ECG7

1-1-1 [1] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.03 sec in lead II.

1-1-2 [2] Q duration >= 0.04 sec in lead II.

1-1-4 [3] Q duration >= 0.05 sec in lead III, plus a Q wave amplitude >= 1.0 mm in the majority of beats in lead aVF.

1-1-5 [4] Q duration >= 0.05 sec in lead aVF.

1-2-1 [5] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.02 sec and < 0.03 sec in lead II.

1-2-2 [6] Q duration >= 0.03 sec and < 0.04 sec in lead II.

1-2-3 [7] QS pattern in lead II. Do not code in presence of complete LBBB.

1-2-4 [8] Q duration >= 0.04 sec and < 0.05 sec in lead III, plus a Q wave >= 1.0 mm amplitude in the majority of beats in lead aVF.

1-2-5 [9] Q duration >= 0.04 sec and < 0.05 sec in lead aVF.

1-2-6 [1] Q amplitude >= 5.0 mm in leads III or aVF.

1-3-1 [11] Q/R amplitiude ratio >= 1/5 and < 1/3, plus Q duration >= 0.02 sec and < 0.03 sec in lead II.

1-3-4 [1] Q duration >= 0.03 sec and < 0.04 sec in lead III, plus a Q-wave >= 1.0 mm amplitude in the majority of beats in lead aVF.

1-3-5 [1] Q duration >= 0.03 sec and < 0.04 sec in lead aVF.

1-3-6 [1] QS pattern in each of leads III and aVF. (Do not code in presence of complete LBBB.)

[1] None of the above

PARTICIPANT ID

Anterior site (leads V1, V2, V3, V4, V5) (PLEASE CHOOSE ONE):

Y1ECG8

1-1-1 [1] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.03 sec in any of leads V2, V3, V4, V5.

1-1-2 [2] Q duration >= 0.04 sec in any of leads V1, V2, V3, V4, V5.

1-1-6 [3] QS pattern when initial R-wave is present in adjacent lead to the right on the chest, in any of leads V2, V3, V4, V5, V6.

1-1-7 [4] QS pattern in all leads V1-V4 or V1-V5.

1-2-1 [5] Q/R amplitiude ratio >= 1/3, plus Q duration >= 0.02 sec and < 0.03 sec, in any of leads V2, V3, V4, V5.

1-2-2 [6] Q duration >= 0.03 sec and < 0.04 sec in any of leads V2, V3, V4, V5.

1-2-7 [7] QS pattern in all of leads V1, V2, and V3. (Do not code in presence of complete LBBB.)

1-2-8 [8] Initial R amplitude decreasing to 2 mm or less in every beat between V2 and V3, V3 and V4, or V4 and V5. (All beats in the lead immediately to the right on the chest must have an initial R > 2 mm.). DON NOT CODE IN PRESENCE OF: complete LBBB, incomplete or complete RBBB, or RVH.

1-3-1 [9] Q/R amplitiude ratio >= 1/5 and < 1/3, plus Q duration >= 0.02 sec and < 0.03 sec in any of leads V2, V3, V4, V5.

1-3-2 [1] QS pattern in lead V1 and V2. (Do not code in presence of high amplitude R waves (> 26 mm in either V5 or V6; > 20 mm in any of leads I, II, III, aVF; or >12 mm in lead aVL) or complete LBBB.)

[1] None of the above.

PARTICIPANT ID

SECTION THREE

CLINICAL IMPRESSIONS

	LEADS		
	I, aVL, V6	**II, III, aVF**	**V1-V5**
Q Wave (choose one for each set of leads)	Y1ECG9 0 No Q Wave 1 Possible (Q dur 30-40 msec) 2 Probable (Q Dur > 40 msec)	Y1ECG10 0 No Q Wave 1 Possible (Q dur 30-40 msec) 2 Probable (Q Dur > 40 msec)	Y1ECG11 0 No Q Wave 1 Possible (Q dur 30-40 msec) 2 Probable (Q Dur > 40 msec)
ST Depression	Y1ECG12 0 No ST Depression 1 Ischemic 2 Nonspecific 3 LVH with strain 4 Ventricular conduction change	Y1ECG13 0 No ST Depression 1 Ischemic 2 Nonspecific 3 LVH with strain 4 Ventricular conduction change	Y1ECG14 0 No ST Depression 1 Ischemic 2 Nonspecific 3 LVH with strain 4 Ventricular conduction change
ST Elevation	Y1ECG15 0 No ST Elevation 1 Ischemic 2 Nonspecific 3 Early repolarization 4 Ventricular conduction change	Y1ECG16 0 No ST Elevation 1 Ischemic 2 Nonspecific 3 Early repolarization 4 Ventricular conduction change	Y1ECG17 0 No ST Elevation 1 Ischemic 2 Nonspecific 3 Early repolarization 4 Ventricular conduction change
T Wave	Y1ECG18 0 Normal 1 Inverted 2 Flat 3 Biphasic 4 Peaked 5 Ventricular conduction change	Y1ECG19 0 Normal 1 Inverted 2 Flat 3 Biphasic 4 Peaked 5 Ventricular conduction change	Y1ECG20 0 Normal 1 Inverted 2 Flat 3 Biphasic 4 Peaked 5 Ventricular conduction change

Comments:	Y1ECG21

PARTICIPANT ID	DATE	STAFF ID	VISIT
Y1PPTID	__ / __ / __ (Y1DATE)	Y1STAFID	BASELINE

Last Name: Y1HLNM **First Initial:** Y1HFI **Last 4:** Y1HSSN

HEART AND SOUL STUDY

HOLTER DATA COLLECTION FORM

Date of Holter Reading: Y1HOLDAT __ / __ / __

PLEASE ALSO SAVE HARD COPY OF REPORT

Heart Rates:

Y1HRMIN **MIN:** ___ beats/min

Y1HRAVG **AVG:** ___ beats/min

Y1HRMAX **MAX:** ___ beats/min

Y1LRR **Longest RR:** ___ . ___ seconds

Y1HFREQ1 . ___ **In/ms2 for very low frequencies****

Y1HFREQ2 **In/ms2 for low frequencies***

Y1HFREQ3 **In/ms2 for high frequencies***

Y1HFREQ4 **In/ms2 for wideband frequencies***

Y1HFREQ5 **low/high ratio**

*based on average of 5-minute segments in which >= 80% of the beats are normal

**based on en bloc analysis of the entire 24-hour recording

Y1MEANNN **mean NN:** ___ ms

Y1SDNN **SDNN:** ___ ms

Y1SDANN **SDANN:** ___ ms

Y1SD **ASDNN/SD:** ___ ms

Y1RMSSD **rMSSD:** ___ ms

pNN50: Y1PNN50 %

pNN50a: Y1PNN50A . ___ %

pNN50b: Y1PNN50B . ___ %

BB50: Y1BB50

BB50a: Y1BB50A

BB50b: Y1BB50B