

ECG Findings		
Rhythm	Rhy	Sinus
Premature Beats	PC	Absence
PR interval	PR	Normal
QT interval	QT	Normal
Axis Deviation	AXD	Normal
Rwave Abnormality	RWA	Absence
QRS Voltage	QRSV	Normal
B. Branch Block	BBB	Absence
Fascicular Block	FAB	Absence
ST-T deviation	STTd	Absence
Vent. Hypertrophy	VH	Absence
Atrial Abnormality	AE	Absence
ECG Signal Quality	ECGq	Passable Quality
ECG Summary	Esum	Normal ECG

Myocardial Infarction or Ischemia		
Ischemic ST-T	ISTT	Absence
Non-STEMI	NSTEMI	Absence
STEMI	STEMI	Absence
Old MI	OldMI	Absence

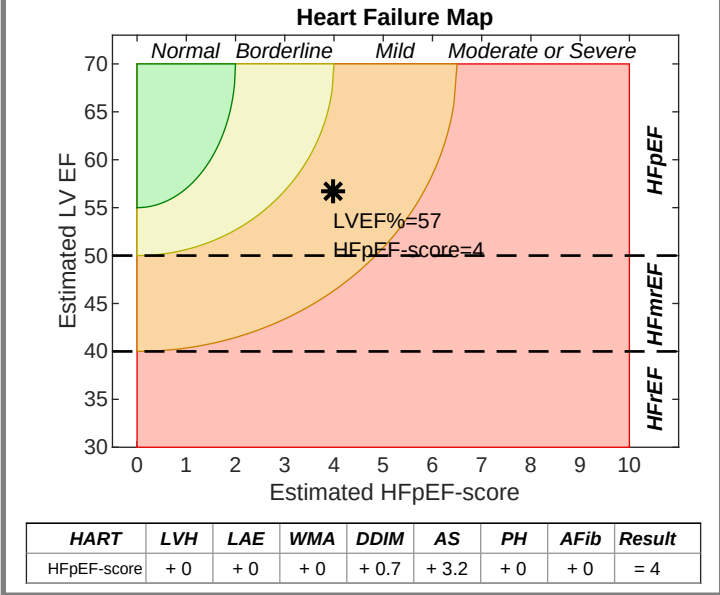
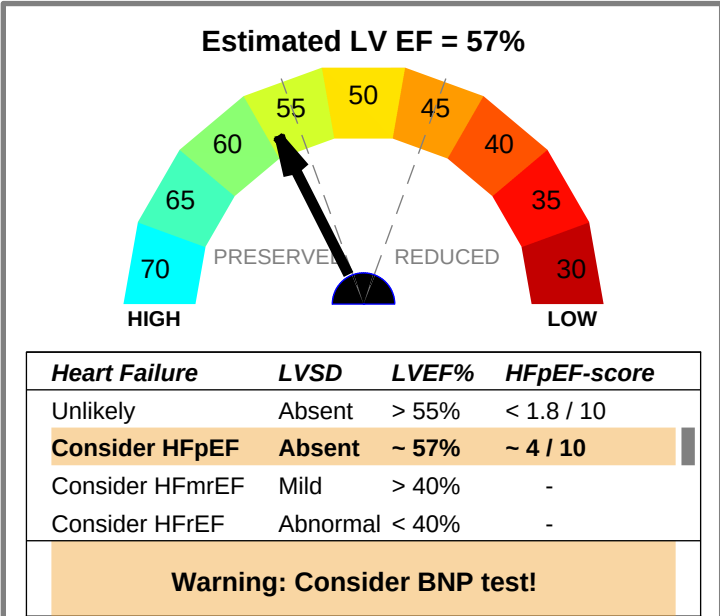
Patient General Data	
Age [year]	53
Gender	MALE
Race	Caucasian
Height [cm]	184
Weight [kg]	105
BMI [kg/m ²]	31
BSA [m ²]	2.3
CBSI [m+1/5kg ^{0.27}]	2.5
Waist Size [cm]	121
Hip Size [cm]	120
Waist/hip ratio	1
Sys. BP [mmHg]	120
Dia. BP [mmHg]	80
Position Angle (User) [deg]	-1



HART Findings		
LV Hypertrophy	LVH	Normal
Dilated Cardiomyopathy	DCM	Normal
RV Enlargement	RVE	Normal
LA Enlargement	LAE	Normal
RA Enlargement	RAE	Normal
LV Wall Motion Abn.	WMA	Normal
LV Systolic Dysfunction	LVSD	Normal
Impaired Relaxation	DDIM	Mild
AV Stenosis	AS	Abnormal
MV Stenosis	MS	Normal
AV Insufficiency	AR	Normal
MV Insufficiency	MR	Normal
TV Insufficiency	TR	Normal
Pulm. Hypertension	PH	Normal
HART Summary	Hsum	Mild

MCG Findings	
EMAT (Q-MitralClosure)	Normal
PEP - Pre Ejection	Normal
LVET - Vent. Ejection	Normal
SPI - Systolic Perf.	Abnormal
MPI - Myocardial Perf.	Abnormal
MCG Signal Quality	Good Quality
MCG Summary	ABNORMAL

PCG Findings	
Systolic Murmur	Holo SM
Diastolic Murmur	Diastolic Murmur
Ejection Click	Absence
Opening Snap	Absence
3rd Sound	Absence
4th Sound	Absence
S1 Wide	Normal
S2 Wide	Normal
Wheeze	Absence
Artifact	Absence
PCG Signal Quality	Good Quality
PCG Summary	ABNORMAL



ECG	QRSint	T+area	ECGsSc	STaxis	RMSSD	Rsum	VAT	QTc	Result
HF-prob.	+ 5	+ 0	+ 6	+ 0	+ 1	+ 0	+ 0	+ 0	= 11 [%]

CHART Summary

HART Summary	Mild
- Heart Structure	Normal
- Heart Function	Normal
- Heart Valves	Abnormal
Heart Failure	Consider HFpEF
Rhythm	Sinus
ECG Summary	Normal ECG
PCG Summary	Abnormal
MCG Summary	Abnormal

CPA Warnings

Wrong sensor direction or patient not in supine position - retest recommended!: LAT

CPA version: 2023_230330-240610

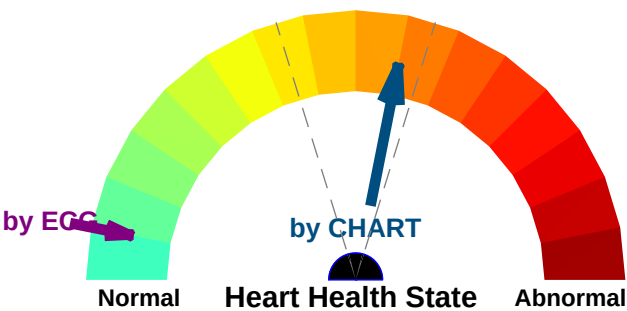


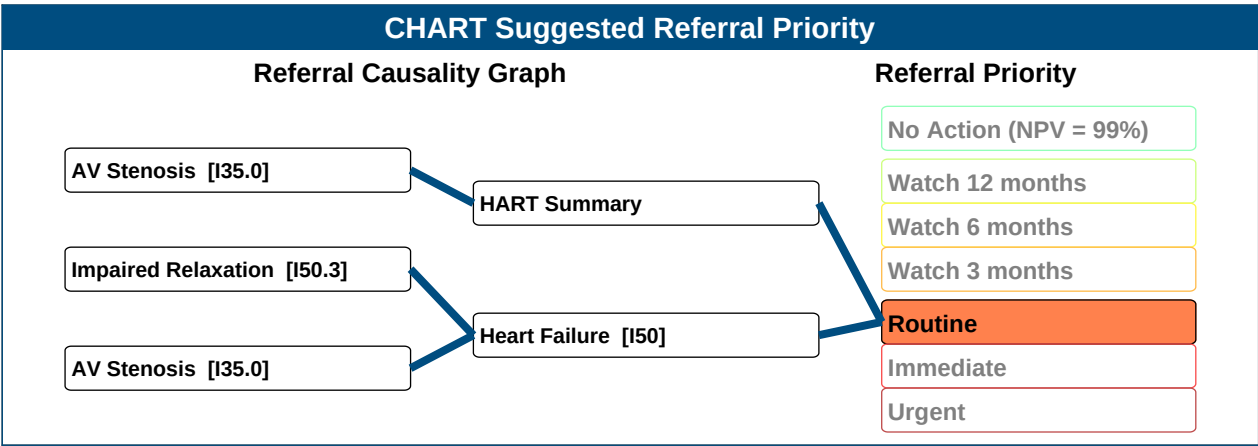
CHART Notes

Decision support is based solely on the CHART findings. The final referral decision lies with the clinician who shall also consider the patient's symptoms and history.

Thresholds according to gender and body size!

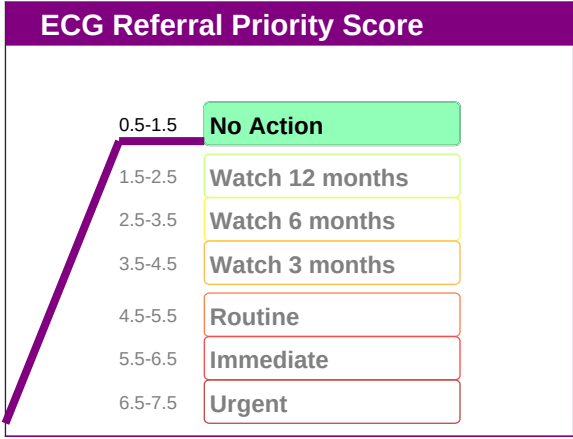
Duration used for measurements: 60.96s

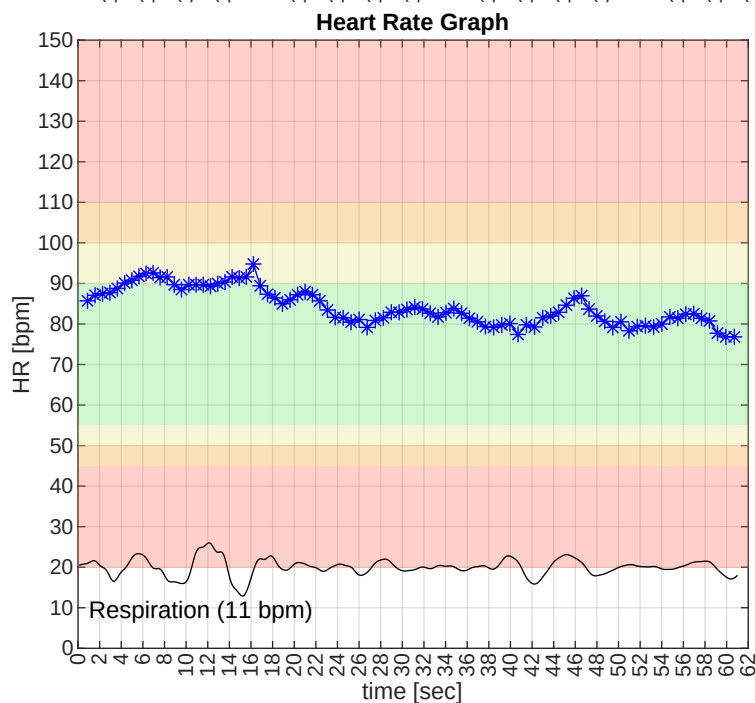
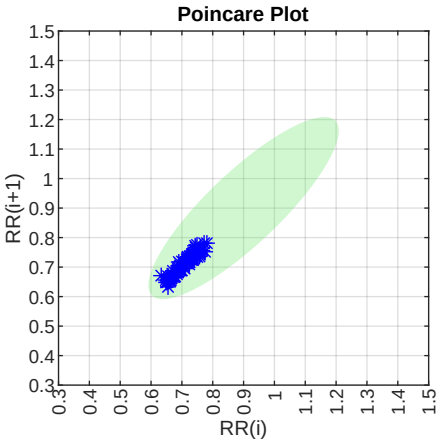
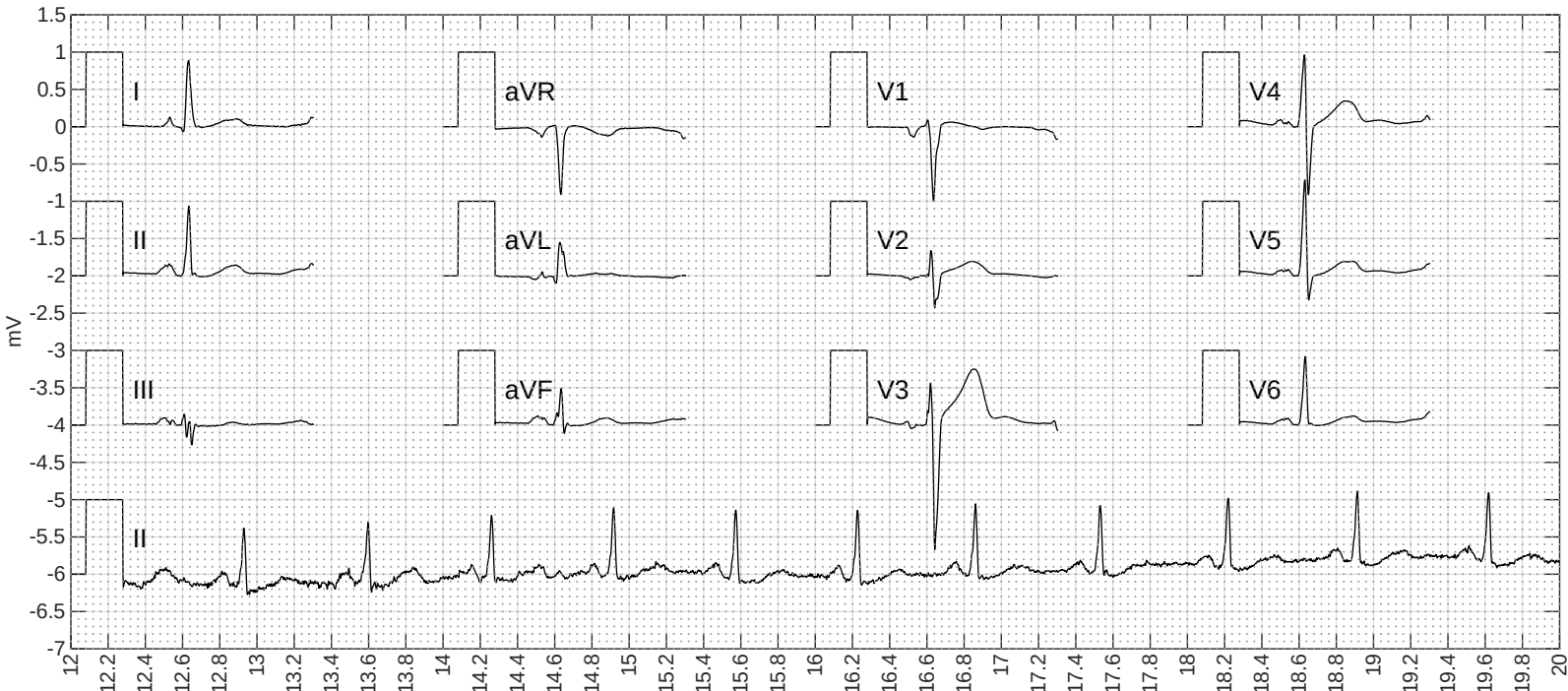
CHART Suggested Referral Priority



ECG item	Value	Criteria	Score
Ischemic ST-T	1	>1	+0.00
Non-STEMI	1	>1	+0.00
STEMI	1	>1	+0.00
Old MI	1	>1	+0.00
ECGsumm Score [%]	20	>20	+0.42
QRS interval [ms]	75	>90	+0.34
ST axis [deg]	25	<-55	+0.02
RMSSD [ms]	12	>150	+0.00
T+area [mVs] I	13.53	<18	+0.56
QTc-CHART	389	>430	+0.00
RVH Score	0.0845	>0.95	+0.00
LF/HF (0.15Hz)	3.197	<1.35	+0.00
PRc (Soliman) [ms]	152	>170	+0.02
ECG HHS Score			= 1.36

ECG Referral Priority Score





ECG Global Measurements

Heart Rate [bpm]	84
RR std [ms]	38
RMSSD [ms]	12
PNN50 [%]	0
LF/HF (0.15Hz)	3.2
QRS axis [deg]	29
PQ interval [ms]	149
PRc (Soliman) [ms]	152
P interval [ms]	122
P axis [deg]	68
P term.force [mVms]	5.9
QT interval [ms]	359
QTc (fram)	402
QTc-CHART	389
JTc interval	307
QRS interval [ms]	75
VAT [ms]	31
ST interval [ms]	76
ST axis [deg]	25
T axis [deg]	42
Rsum (V1:V6) [uV]	4059
Sok-Lyon [mV]	2.7
Cornell Volt [mV]	2.1
Lewis index [mV]	0.91
LVH Score	193
RVH Score	0.085
ECGsumm Score [%]	20
ECG HF probability [%]	11

Virtual Scale

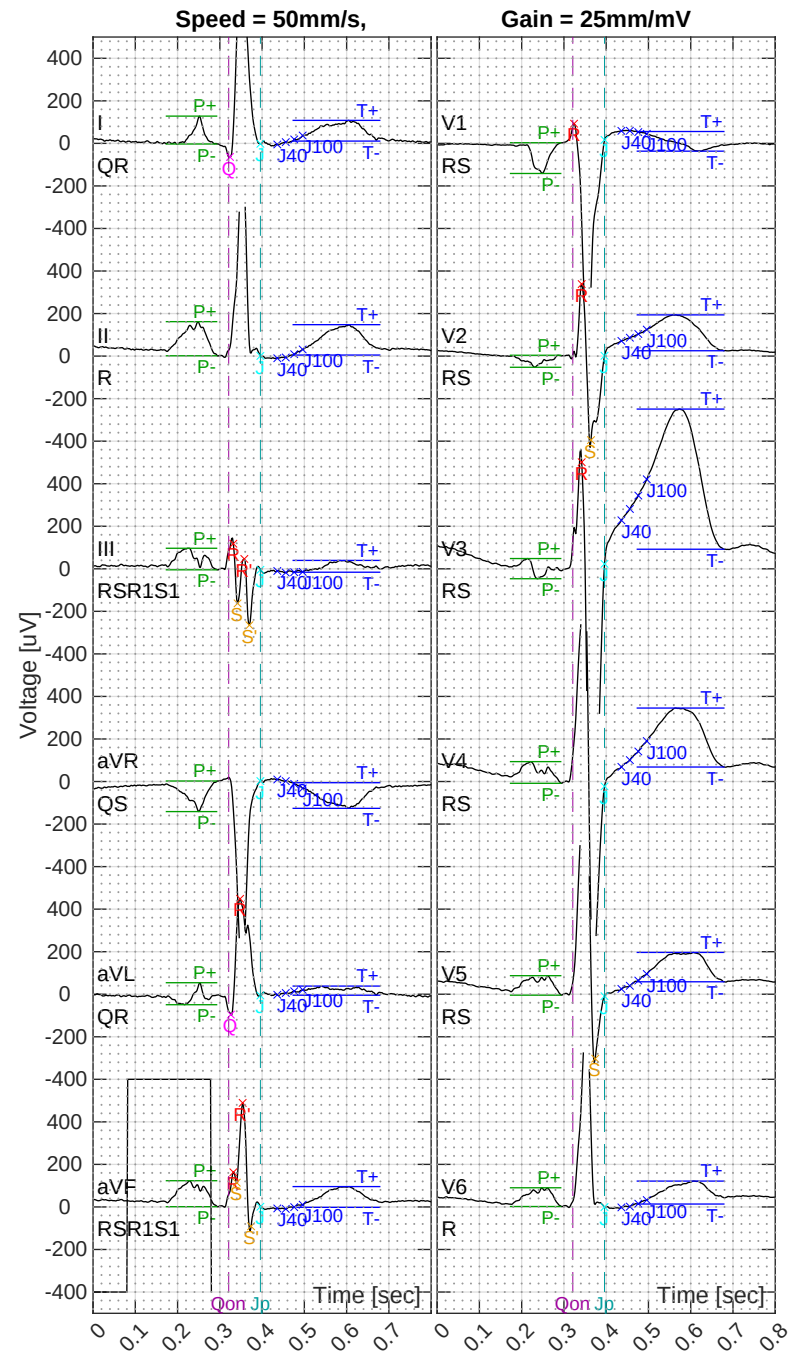
20	50				100	200
					100	1000
					100	1000
					55	100
0	0.5			6		
-180	-90	30			90	180
50	120				225	360
40	120				225	400
0	70				150	200
-180	0				85	180
						150
220	310				500	600
300	350				470	550
300	350				470	550
200	250				370	450
					120	200
					50	100
0	50				170	300
-180	-30				105	180
-180	-15				105	180
0	2300				8500	12000
					4.6	15
					2.8	7
					1.7	3
					500	1500
					3.4	6
					1	100
0					48	100

ECG Findings

Rhythm	Sinus
Premature Beats	Absence
PR interval	Normal
QT interval	Normal
Axis Deviation	Normal
Rwave Abnormality	Absence
QRS Voltage	Normal
B. Branch Block	Absence
Fascicular Block	Absence
ST-T deviation	Absence
Vent. Hypertrophy	Absence
Atrial Abnormality	Absence
ECG Signal Quality	Passable Quality
ECG Summary	Normal ECG

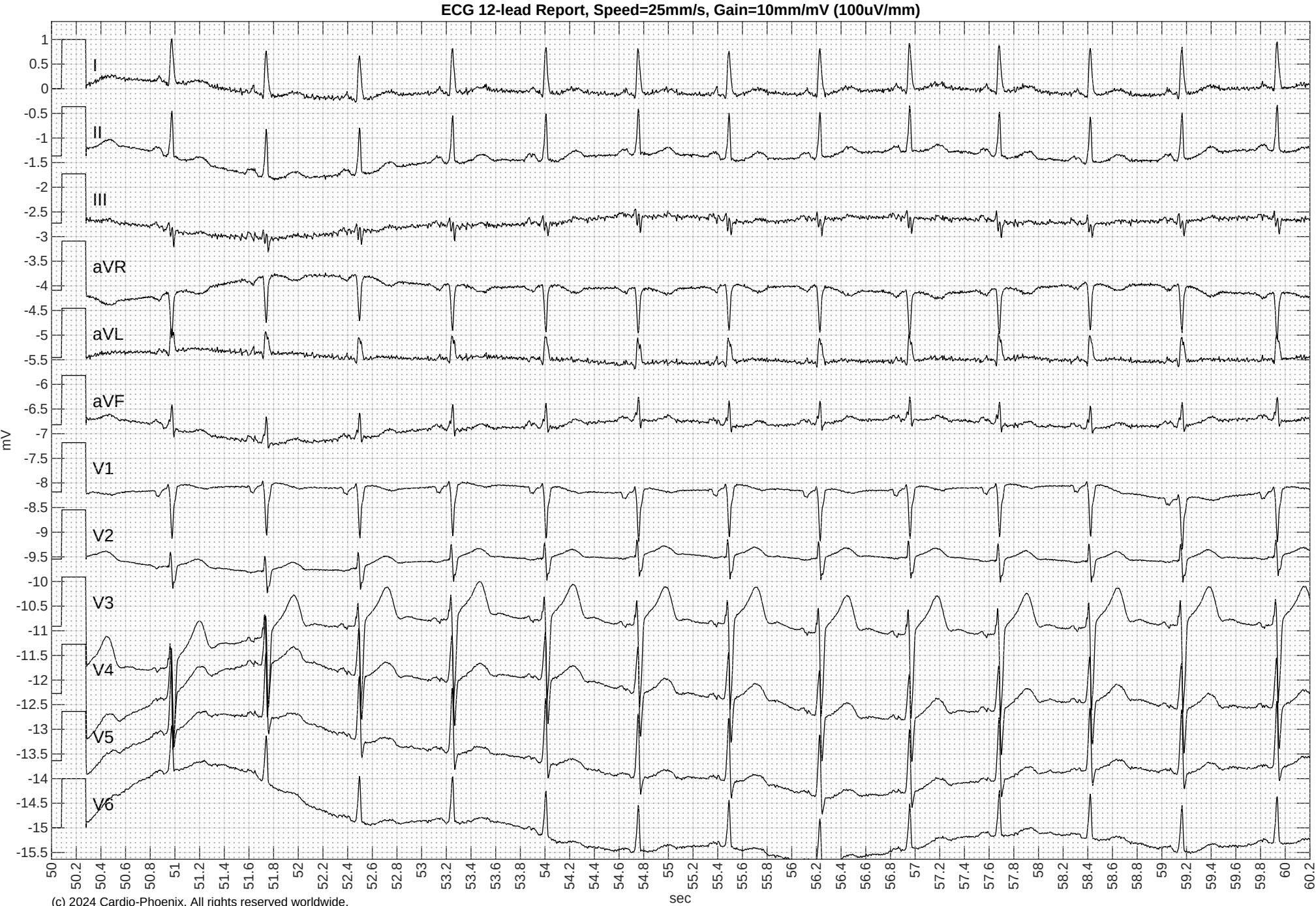
Myocardial Infarction or Ischemia

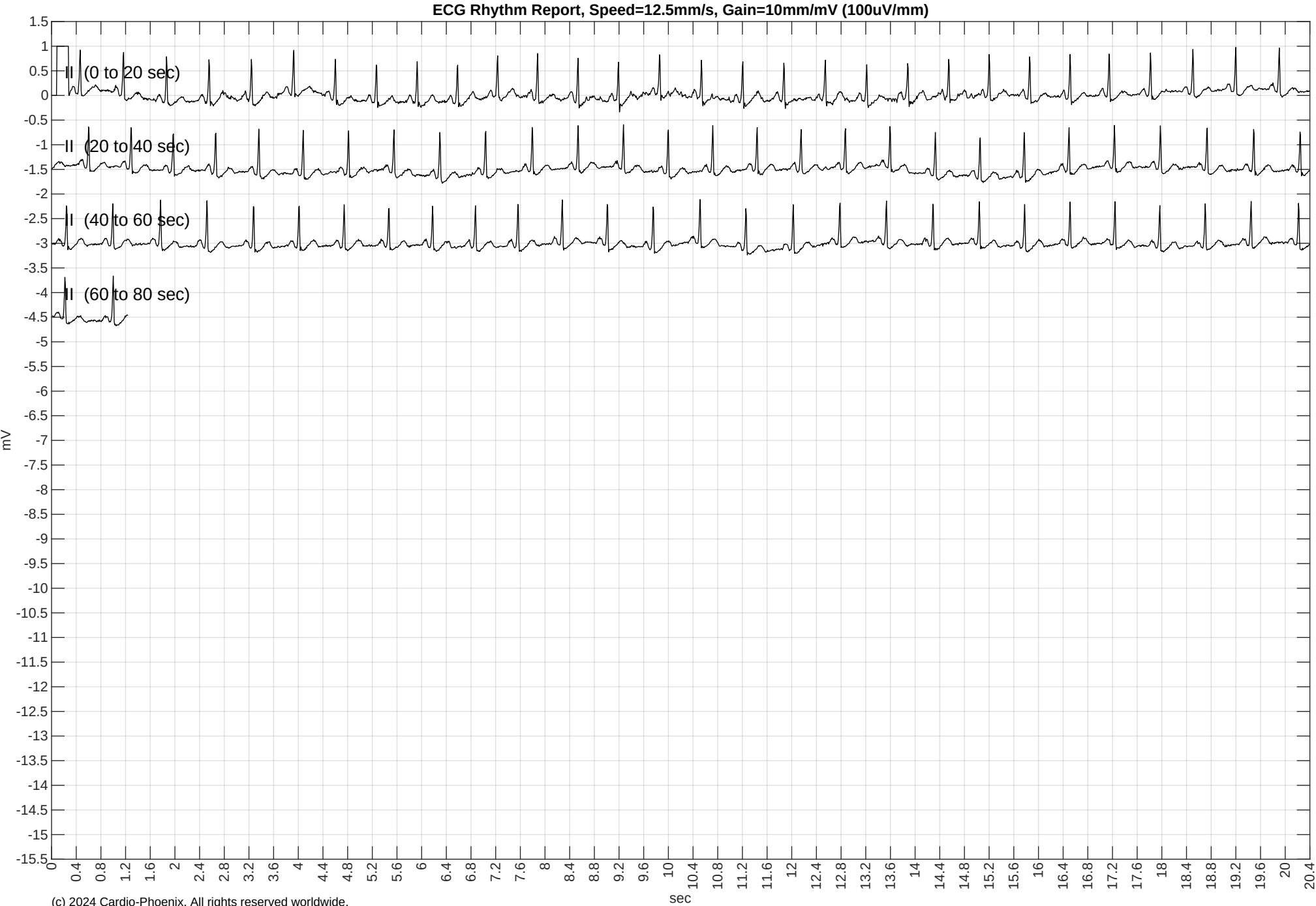
Type	Consider	Ant	Inf	Lat	Pos	Sep
Ischemic ST-T	Absence					
Non-STEMI	Absence					
STEMI	Absence					
Old MI	Absence					



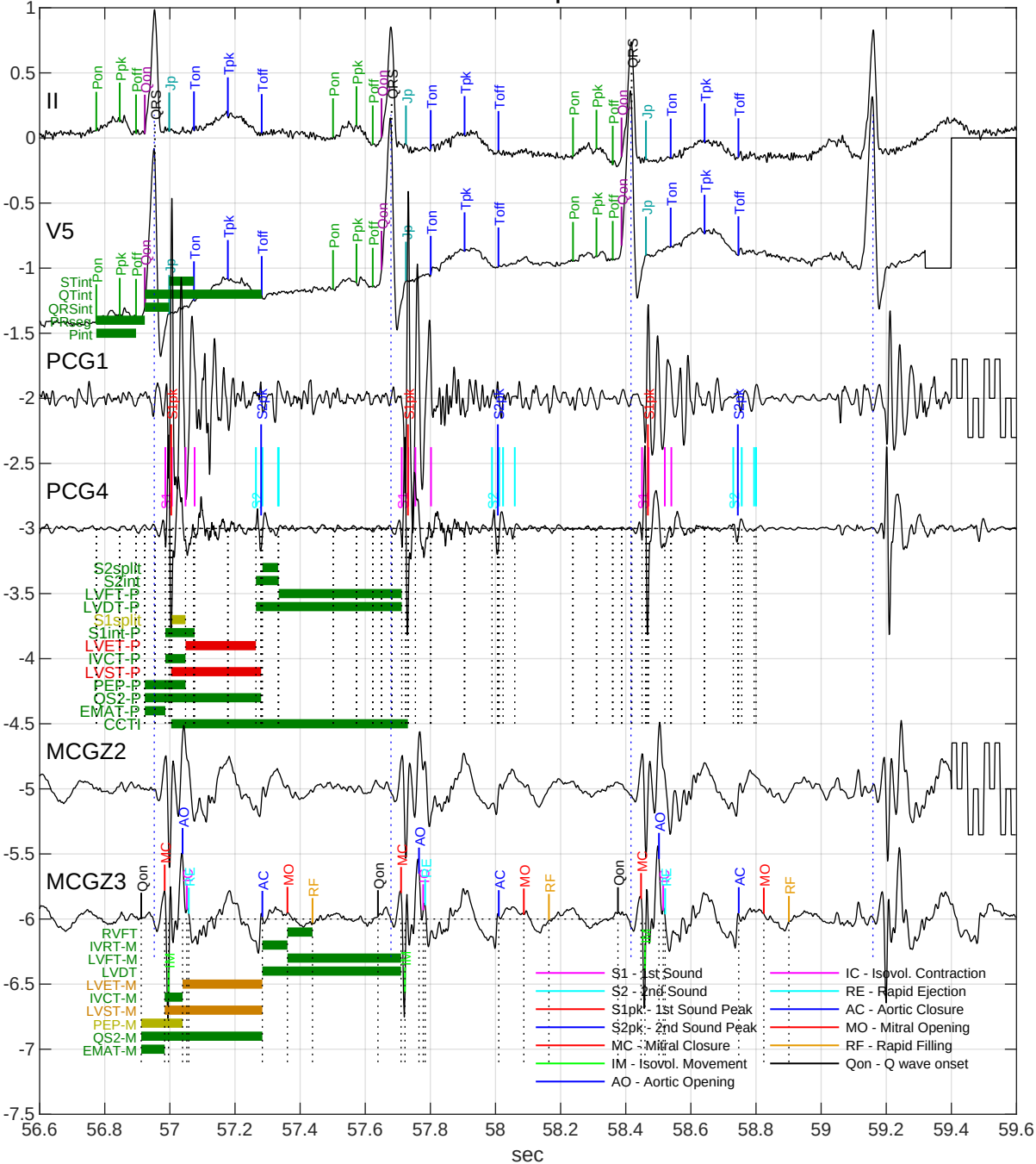
12-lead ECG Measurements														Virtual Scale	
Meas	Unit	I	II	III	aVR	aVL	aVF	V1	V2	V3	V4	V5	V6	12-lead have 12 bars	
Qamp	uV	-62	0	0	-870	-99	0	0	0	0	0	0	0	-4000	0
Ramp*	uV	880	896	118	0	438	161	87	320	501	956	1278	917	-800	6000
Samp	uV	0	0	-149	-870	0	114	-953	-395	-1628	-887	-303	0	-6000	1500
R'amp	uV	0	0	37	0	0	472	0	0	0	0	0	0	-2000	4000
S'amp	uV	0	0	-247	0	0	-91	0	0	0	0	0	0	-3000	500
Jamp*	uV	-2	1	-5	2	-6	1	17	2	23	-23	-9	0	-1000	1200
J40amp*	uV	-5	-10	-10	10	-2	-7	59	71	228	69	25	-2	-1000	1300
J60amp*	uV	6	-6	-18	2	6	-9	59	87	281	101	40	2	-1000	1500
J80amp*	uV	19	9	-16	-11	14	-1	53	104	344	141	64	15	-1300	1700
J100amp*	uV	37	31	-14	-33	21	10	45	125	421	190	95	32	-1300	2000
STslo0-80	mV/s	0.15	0.12	-0.01	-0.13	0.11	0.06	0.33	0.97	3.19	1.76	0.83	0.23	-30	30
STslo50-70	mV/s	0.24	0.39	0.21	-0.3	0.07	0.32	-0.17	0.7	2.94	1.99	1.15	0.47	-30	30
Rarea*	mVs	24.4	22.14	-3.05	-23.26	13.07	9.78	-26.19	-5.49	-32.48	3.59	24.72	22.59	-400	400
QRSptp*	uV	953	933	410	928	548	601	1088	767	2232	1873	1607	918	0	8000
P+amp	uV	128	162	97	2	54	123	3	4	48	94	87	90	-200	2000
P-amp	uV	-3	1	-5	-141	-49	1	-141	-53	-47	-8	-4	2	-2000	200
Parea	mVs	3.51	10.72	5.98	-6.99	-1.91	8.72	-5.92	-2.4	0.31	6.02	6.35	6.42	-150	150
P+area	mVs	3.53	10.72	6	0	0.57	8.72	0.01	0.04	1.51	6.05	6.37	6.42		150
P-area	mVs	0.03	0	0.02	7	2.48	0	5.93	2.43	1.2	0.03	0.01	0		150
T+amp*	uV	108	148	39	-6	38	96	56	194	751	345	197	122	-200	4000
T-amp	uV	11	5	-16	-126	-5	-2	-37	25	92	68	59	14	-3000	200
Tarea*	mVs	13.53	17.58	2.43	-15.12	4.55	10.97	0.74	27.24	100.8	50.24	29.87	16.21	-200	400
T+area*	mVs	13.53	17.58	2.93	0	4.56	10.97	2.86	27.24	100.8	50.24	29.87	16.21	-1	400
T-area*	mVs	0	0	0.5	15.12	0.01	0.01	2.12	0	0	0	0	0		200
Q/R	mV/mV	0.07	0	0	50	0.23	0	0	0	0	0	0	0	0.3	50
R/S	mV/mV	50	50	0.79	0	50	1.41	0.09	0.81	0.31	1.08	4.22	50	15	50
R'/R	mV/mV	0	0	0.31	50	0	2.93	0	0	0	0	0	0	1	50
T/R	mV/mV	0.12	0.17	0.33	50	0.09	0.6	0.64	0.61	1.5	0.36	0.15	0.13	2	50
Qint	ms	4	0	0	70	10	0	0	0	0	0	0	0		200
Rint	ms	64	74	14	0	56	18	6	24	28	36	44	74		200
R'int	ms	0	0	10	0	0	26	0	0	0	0	0	0		150
Sint	ms	0	0	16	70	0	0	62	44	46	38	30	0		200
S'int	ms	0	0	32	0	0	30	0	0	0	0	0	0		150
RWPT	ms	32	34	10	-	28	12	4	22	20	28	30	32		200

* Thresholds applied for MALE!





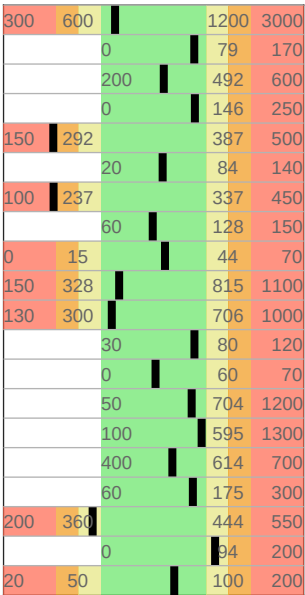
CTT Graph



PCG STI Measurement

PCG CCTI [ms]	724
PCG EMAT [ms]	63
PCG QS2 [ms]	357
PCG PEP [ms]	117
PCG LVST [ms]	276
PCG IVCT [ms]	54
PCG LVET [ms]	221
S1 interval [ms]	90
S1 split [ms]	32
PCG LVDT [ms]	444
PCG LVFT [ms]	374
S2 interval [ms]	70
S2 split [ms]	28
PCG MPI (ivct+ivrt)/lvet	558
PCG SPI (pep/lvet)	527
PCG QS2I (qs2+2.1HR)	531
PCG PEPI	150
PCG LVETI	365
PCG EMATc (emat/rr)	88
Heart Rate [bpm]	83

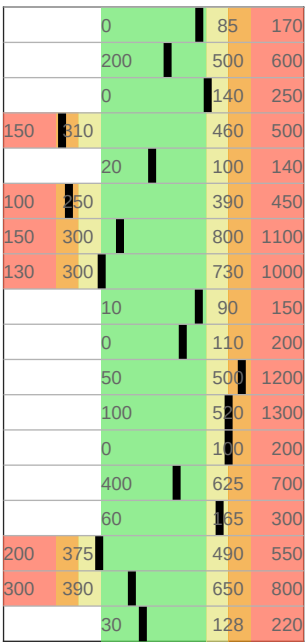
Virtual Scale

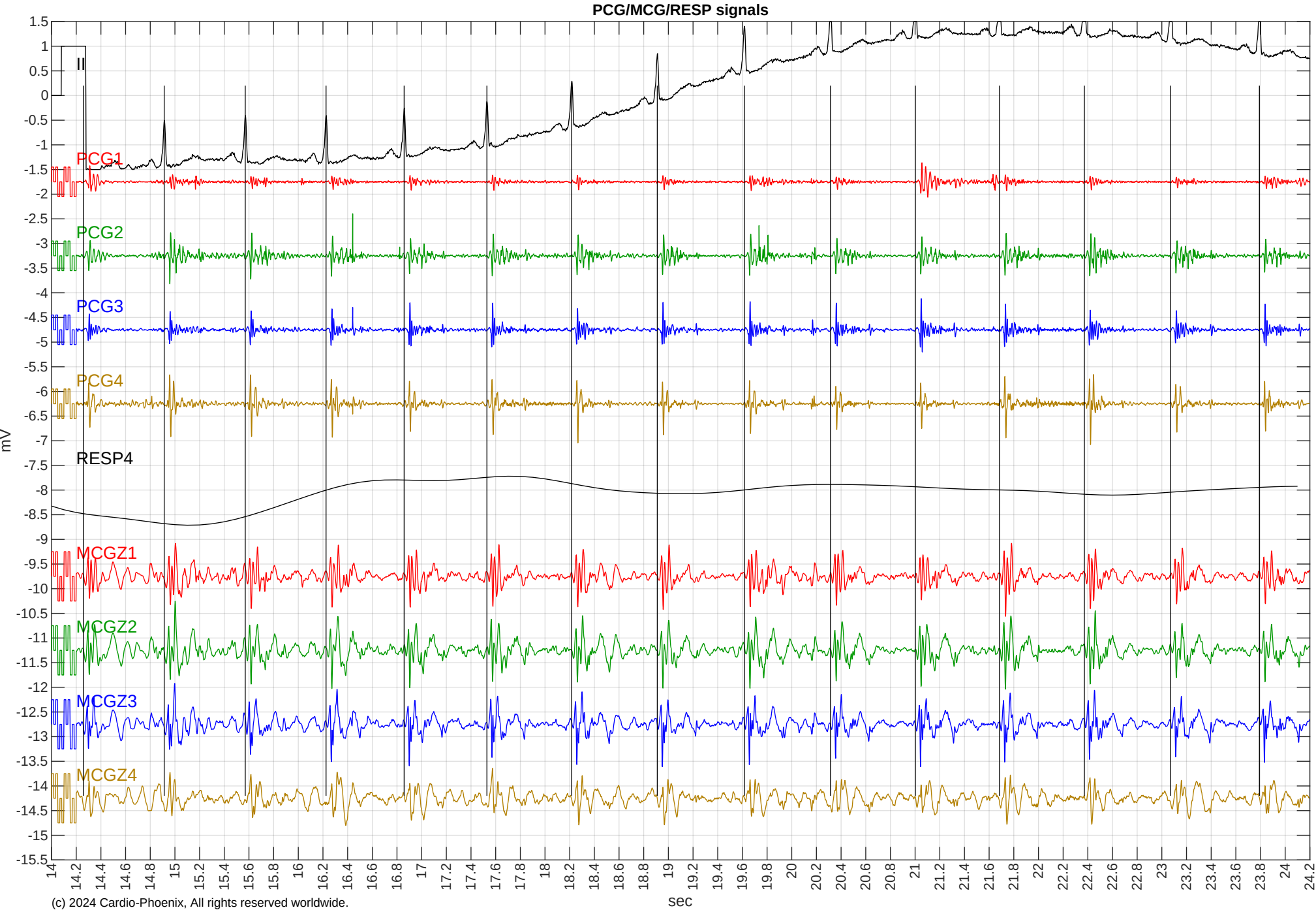


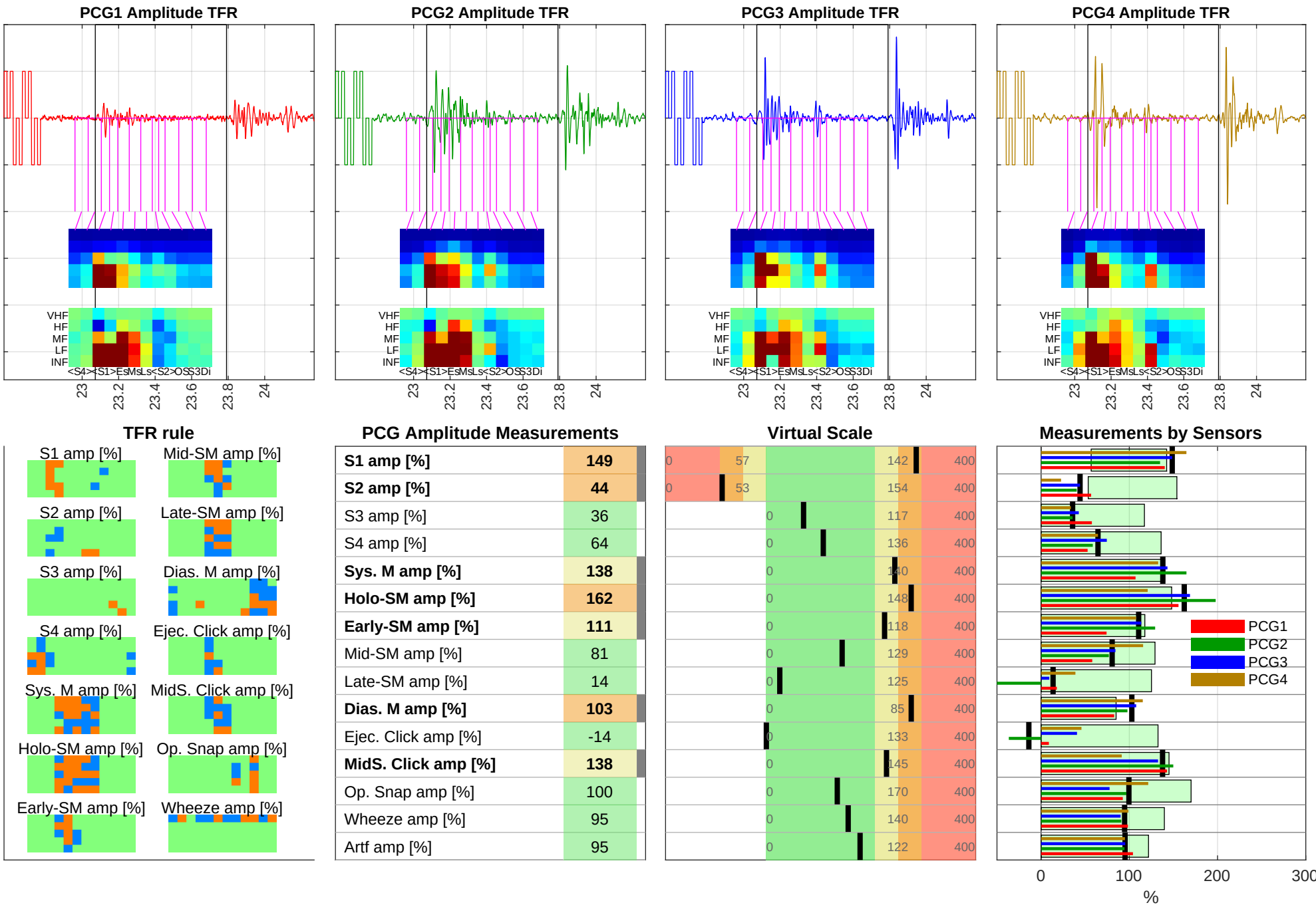
MCG STI Measurement

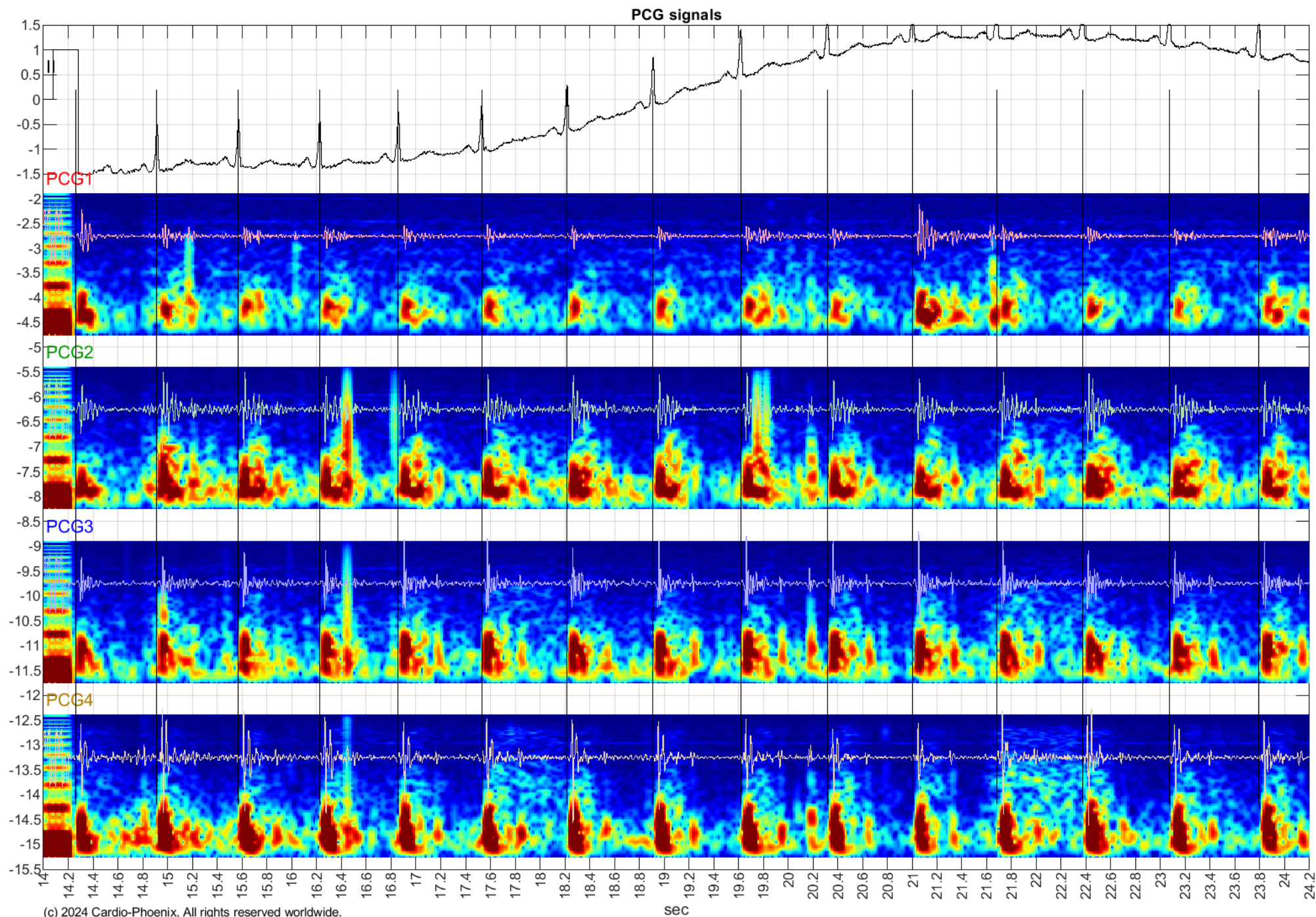
MCG EMAT [ms]	72
MCG QS2 [ms]	371
MCG PEP [ms]	127
MCG LVST [ms]	299
MCG IVCT [ms]	55
MCG LVET [ms]	244
MCG LVDT [ms]	422
MCG LVFT [ms]	345
MCG IVRT [ms]	77
MCG RVFT [ms]	77
MCG MPI (ivct+ivrt)/lvet	541
MCG SPI (pep/lvet)	520
MCG EMATc (emat/rr)	100
MCG QS2I [ms+]	546
MCG PEPI [ms+]	161
MCG LVETI [ms+]	386
MCG LVFTc [ms+]	477
MCG S1int [ms]	65

Virtual Scale









ECG Findings Legend			ECG Measurements (Global) Legend		PCG/MCG Findings Legend		HART Findings Legend	
Abbr.	Display	Description	Display	Description	Abbr.	Description	Abbr.	Description
Rhy	Rhythm	Heart Rhythm	Heart Rate	Heart Rate Mean Value	SM	General Systolic Murmur	LVH	Left Ventricular Hypertrophy
PC	Premature Beats	Premature Beats (Atrial or Vent.)	RR std	Standard Dev. of RR intervals	DM	General diastolic murmur	DCM	Dilated Cardiomyopathy (Eccentric LVH)
PR	PR interval	PR Interval	RMSSD	Root Mean Square of dRR intervals	EC	Aortic/Pulmonic Ejection Click	RVE	Right Ventricular Enlargement
QT	QT interval	QT interval	PNN50	Rate of dRR intervals > 50ms	OS	Opening Snap Sound	LAE	Left Atrial Enlargement
AXD	Axis Deviation	Left or Right Axis Deviation	LF/HF (0.15Hz)	Low per high frequency parts of RR int.	S3	3rd Heart Sound (observable)	RAE	Right Atrial Enlargement
RWA	Rwave Abnormality	R-wave Abnormality	QRS axis	QRS axis in frontal plane	S4	4th Heart Sound (observable)	WMA	LV Wall Motion Abnormality
QRSV	QRS Voltage	QRS Voltage	PQ interval	PQ Interval	S1W	Wide 1st Heart Sound	LVSD	LV Systolic Dysfunction
BBB	B. Branch Block	Bundle Branch Block	PRc (Soliman)	Corrected PR interval by RR and Age	S2W	Wide 2nd Heart Sound	DDIM	Diastolic Dysfunction type of Impaired Relaxation
FAB	Fascicular Block	Fascicular Block	P interval	P Wave Interval	Whee	Wheezing noise found	AS	Aortic Stenosis
STTd	ST-T deviation	ST and T wave Deviation	P axis	P wave axis	Artf	Artifact noise found	MS	Mitral Valve Stenosis
VH	Vent. Hypertrophy	Ventricular Hypertrophy	P term.force	P negative area in V1 lead	PCGq	PCG Signal Quality class	AR	Aortic Valve Insufficiency
AE	Atrial Abnormality	Atrial Enlargement	QT interval	QT Interval	Psum	PCG Findings Summary	MR	Mitral Valve Insufficiency
ECGq	ECG Signal Quality	ECG Signal Quality Class	QTc (fram)	Corrected QT by Framingham	EMAT	MCG Electro mechanical activation time	TR	Tricuspid Valve Insufficiency
Esum	ECG Summary	ECG Findings Summary	QTc-CHART	Corrected QT by CHART Body Size	PEP	MCG Pre-ejection Period	PH	Pulmonary Hypertension
SR	Sinus	Sinus Rhythm	JTc interval	Corrected JT Interval	LVET	MCG Left Ventricular Ejection Time		
ST	S. Tachycardia	Sinus Tachycardia	QRS interval	QRS Interval	SPI	MCG Systolic Performance Index		
SB	S. Bradycardia	Sinus Bradycardia	VAT	Vent. Activation Time (Intrinsicoid Defl.)	MPI	MCG Myocardial Performance Index		
AFib	Atrial Fibrillation	Atrial Fibrillation	ST interval	ST interval	MCGq	MCG Signal Quality class		
AFLU	Atrial Flutter	Atrial Flutter	ST axis	ST segment axis	Msum	MCG Findings Summary		
EAR	Ectopic Atrial R.	Ectopic Atrial Rhythm	T axis	T wave axis				
SVR	Supraventricular	Supraventricular Rhythm	Rsum (V1:V6)	Summary of R amplitude V1-V6				
OR	Other	Other Rhythm (Rare)	Sok-Lyon	Sokolow-Lyon index measurement				
PM	Pacemaker	Pacemaker Rhythm	Cornell Volt	Cornell voltage measurement				
PVC	PVC	Premature Ventricular Complex	Lewis index	Lewis Index: (RI-SI) + (SIII-RIII)				
FPVC	Frequent PVC	Frequent PVC (>20%)	RVH Score	RVH modified Romhilt-Estes score				
PAC	PAC	Premature Atrial Complex	ECGsumm Score	Abnormal ECG summary score by NN				
FPAC	Frequent PAC	Frequent PAC (>20%)	ECG HF probability	ECG Heart Failure probability				
BLoPR	Bord. Long PR	Borderline Prolonged PR interval						
LoPR	Long PR (AV block)	Prolonged PR Interval						
BShPR	Bord. Short PR	Borderline Short PR interval						
ShPR	Short PR	Short PR Interval						
UNIN PR	Uninterpretable PR	Uninterpretable PR due to no P-wave						
BLoQT	Bord. Long QT	Borderline Prolonged QT interval						
LoQT	Prolonged QT	Prolonged QT interval						
BShQT	Bord. Short QT	Borderline Short QT interval						
ShQT	Short QT	Short QT interval						
UNIN QT	Uninterpretable QT	Uninterpretable QT due to high rate						
LAX	Leftward Axis	Left-axis Deviation						
RAX	Rightward Axis	Right-axis Deviation						
EAX	Extreme Axis	Extreme Axis Deviation (<-90deg)						
PRWP	Poor Rwave Prog.	Poor R-wave progression						
BRV1V2	Broad R in V1/V2	Broad R wave in V1 or V2						
LQRS	Low QRS volt.	Generalized Low QRS voltages						
HQRS	High QRS volt.	Abnormally High QRS voltages						
LBbB	LBbB	Left Bundle Branch Block						
RBbB	RBbB	Right Bundle Branch Block						
IVCD	IVCD	Intraventricular Conduction Delay						
ILBbB	ILBbB	Incomplete LBbB						
IRBbB	IRBbB	Incomplete RBbB						
VPREE	Vent. Pre-exc.	Ventricular Pre-Excitation						
BLAFB	Bord. LAFB	Borderline LAFB						
LAFB	L. A. Fasc. Block	Left Anterior Fascicular Block						
LPFB	LPFB	Left Posterior Fascicular Block						
STnspec	non-specific	Nonspecific ST-T abnormality						
STdev	ST deviation	ST Deviation						
TWA	Twave Abnormality	T-wave Abnormality						
BLVHe	Bord. LVH	Borderline LV Hypertrophy (ECG)						
LVHe	LVH Crit.	Left Ventricular Hypertrophy (ECG)						
BRVHe	Bord. RVH	Borderline RV Hypertrophy (ECG)						
RVHe	RVH Crit.	Right Ventricular Hypertrophy (ECG)						
LVstrain	LV strain	LV strain pattern						
BLAE	Bord. LA Abn.	Borderline LA Abnormality (ECG)						
LAEe	Possible LA Abn.	Left Atrial Abnormality (ECG)						
BRAE	Bord. RA Abn.	Borderline RA Abnormality (ECG)						
RAEe	Possible RA Abn.	Right Atrial Abnormality (ECG)						
Good	Good Quality	Good-quality ECG signal						
PoorQ	Passable Quality	Passable-quality ECG signal						
Bad	Bad Quality	ECG signal Quality Error						
NORM	Normal ECG	Normal ECG						
BORD	Borderline ECG	Borderline ECG						
ABNO	Abnormal ECG	Abnormal ECG						
Uninter	Uninterpretable	Uninterpretable ECG						

ECG Measurements (Local) Legend	
Display	Description
Qamp	Q Peak Amplitude
Ramp	R Peak Amplitude
Samp	S Peak Amplitude
R'amp	R' Peak Amplitude
S'amp	S' wave amplitude
Jamp	J point (ST) Amplitude
J40amp	J point +40ms amplitude
J60amp	Jpoint +60ms amplitude
J80amp	J point +80ms (ST80) Amplitude
J100amp	J point +100ms (ST100) Amplitude
STslo0-80	ST slope on J00-J80 interval
STslo50-70	ST slope on J50-J70 interval
Rarea	R Wave Area
QRSptp	QRS Peak-to-Peak, typically
P+amp	P wave positive amplitude
P-amp	P wave negative amplitude
Parea	P Wave Area
P+area	P wave positive area
P term.force	P negative area in V1 lead
T+amp	T wave positive amplitude
T-amp	T wave negative amplitude
Tarea	T Wave Area
T+area	T wave positive area
T-area	T wave negative area
Q/R	Q/R Amplitude Ratio
R/S	R/S Amplitude Ratio
R'/R	R'/R Amplitude Ratio
T/R	T/R Amplitude Ratio
Qint	Q Wave Interval
Rint	R Wave Interval
R'int	R' interval
Sint	S Wave Interval
S'int	S' interval
R-peaktime	Local Rwave Peak Time

PCG Measurements Legend	
Display	Description
S1 amp	1st Sound Amplitude
S2 amp	2nd Sound Amplitude
S3 amp	3rd Sound Amplitude
S4 amp	4th Sound Amplitude
Sys. M amp	Systolic Murmur Amplitude
Holo-SM amp	Holo-systolic Murmur Amplitude
Early-SM amp	Early-systolic Murmur Amplitude
Mid-SM amp	Mid-systolic Murmur Amplitude
Late-SM amp	Late-systolic Murmur Amplitude
Dias. M amp	Diastolic Murmur Amplitude
Ejec. Click amp	Ejection Click Amplitude
MidS. Click amp	Midsystolic Click Amplitude
Op. Snap amp	Opening Snap Amplitude
Wheeze amp	Wheezing Amplitude
Artf amp	Artifact Amplitude

MCG Measurements Legend	
Display	Description
EMAT	Electro-mechanical Activation Time (Q-MC)
QS2	Q-onset 2nd-Sound Period (Q-S2)
PEP	Pre-ejection Period (Q-AO)
LVST	Left Ventricular Systolic time (MC-AC)
IVCT	Isovolumic Contraction Time (MC-AO)
LVET	Left Ventricular Ejection Time (AO-AC)
LVDT	Left Ventricular Diastolic Time (AC-MC)
LVFT	Left Ventricular Filling Time (MO-MC)
IVRT	Isovolumic Relaxation Time (AC-MO)
RVFT	Rapid Ventricular Filling Time
MPI	Myocardial Performance Index ((IVCT+IVRT)/LVET)
SPI	Systolic Performance Index (PEP/LVET)
EMATc	Corrected EMAT (EMAT/RR)
QS2i	Q-S2 Index (QS2+2.1HR)
PEPi	PEP Index (PEP+0.4HR)
LVETi	LVET Index (LVET+1.7HR)
LVFTc	Corrected LVFT (LVFT/RR)
S1int	1st Sound Interval

CHART Color and Severity Legend

CHART Severity	Normal	Borderline	Mild	Moderate or Severe
Referral Priority	No Action	Watch	Routine	Immediate
Heart Failure	Unlikely	Borderline HFpEF	Consider HFpEF	Consider HFrEF
Heart Failure Map	Normal	Borderline	Mild	Moderate or Severe
LV Hypertrophy	Normal	-	Mild	Abnormal
Dilated Cardiomyopathy	Normal	-	Mild	Abnormal
RV Enlargement	Normal	-	Mild	Abnormal
LA Enlargement	Normal	-	Mild	Abnormal
RA Enlargement	Normal	-	Mild	Abnormal
LV Wall Motion Abn.	Normal	-	Mild	Abnormal
LV Systolic Dysfunction	Normal	-	Mild	Abnormal
Impaired Relaxation	Normal	Mild	Abnormal	-
AV Stenosis	Normal	-	Mild	Abnormal
AV Insufficiency	Normal	-	Mild	Abnormal
MV Insufficiency	Normal	-	Mild	Abnormal
TV Insufficiency	Normal	-	Mild	Abnormal
Pulm. Hypertension	Normal	-	Mild	Abnormal
HART Summary	Normal	-	Mild	Abnormal
ECG Summary	Normal ECG	Borderline ECG	Abnormal ECG	-
PCG Summary	Normal	BORDERLINE	ABNORMAL	-
MCG Summary	Normal	BORDERLINE	ABNORMAL	-
Myocardial Infarction	Absent	Borderline	Moderate	Extensive
Reference ECHO Findings	Normal	Borderline	Mild	Moderate or Severe
Binary Interpretation	Normal	Normal	Abnormal	Abnormal

ECHO criteria of HART Findings

HART	ECHO	HART:Mild	HART:Abnormal	Unit
LV Hypertrophy	LVMI	♂ > 115 ♀ > 95	♂ > 131 ♀ > 108	g/m ²
Dilated Cardiomyopathy	LVIDd	♂ > 59 ♀ > 53	♂ > 63 ♀ > 57	mm
RV Enlargement	RVOT	> 30	> 36	mm
LA Enlargement	LAVI	> 30	> 40	mL/m ²
RA Enlargement	RAVI	> 30	> 40	mL/m ²
LV Wall Motion Abn.	WMSC	Mild Hypo.	Hypo./Akin./Dysk.	
LV Systolic Dysfunction	EF	♂ > 54 ♀ > 54	♂ > 40 ♀ > 40	%
Impaired Relaxation	E/A	< 0.85	< 0.7	1/1
AV Stenosis	AVpV	> 2	> 2.5	m/s
MV Stenosis	MVA	< 2	< 1.5	cm ²
AV Insufficiency	AORgr	> 1	> 2	grade
MV Insufficiency	MRgr	> 1	> 2	grade
TV Insufficiency	TRgr	> 1	> 2	grade
Pulm. Hypertension	RVSP	> 40	> 50	mmHg

Referral Priority Decision Tree

