Holter ECG service

PRELIMINARY — UNSIGNED

HOL-2026-0842

HOLTER ECG REPORT

Continuous ambulatory electrocardiography

DEMONSTRATION — NOT FOR CLINICAL USE. Synthetic signals and example values; confirmation is a workflow action, not diagnostic validation.

Patient
Demo patient — synthetic

Patient / study ID
HOL-2026-0842

Date of birth
Not provided

Sex
Not provided

Referring physician
Not provided

Report date
Not provided

Indication	Not provided
Relevant medication	Not provided

01 Recording information and technical quality

Study type	Continuous ambulatory ECG (Holter)
Recording start	04 Sep 2026, 08:00 (example)
Recording end	05 Sep 2026, 08:00 (example)
Recorded duration	24 h 00 min (example)
Rhythm-analyzable duration	23 h 18 min / 97.1% (example)
Excluded / uninterpretable duration	42 min / 2.9% (example)
Channels	3
Event classification progress	1 of 8 classified · 1 confirmed · 0 suppressed · 7 pending
Reviewed artifacts	0 confirmed · 2 pending · 0 suppressed (selected events). Full-record assessment requires analysis.
Other reviewed findings	None found in selected events · 0 confirmed · 0 pending · 0 suppressed (selected events). Full-record assessment requires analysis.
Recorder / sampling and filter settings	Demonstration generator; not a medical recorder

All numerical summaries marked example are fixtures, not computed from the illustrative strips.

02 Heart rate and underlying rhythm

Predominant rhythm	Requires full-record rhythm analysis; selected events do not establish the predominant rhythm
Average heart rate	72 bpm (example)
Minimum heart rate / time	48 bpm (example); time not provided

Maximum heart rate / time	156 bpm (example); time not provided
Total QRS complexes	Not measured
Tachycardia / bradycardia burden	Not measured; rate thresholds not configured
Reviewed sinus tachycardia events	0 confirmed · 2 pending · 0 suppressed (selected events). Full-record totals are unavailable. 0 confirmed · 2 pending · 0 suppressed (selected events). Full-record assessment requires analysis.

03 Ventricular ectopic activity

PVC count / burden	0 confirmed · 1 pending · 0 suppressed (selected events). Full-record PVC beat count and burden require beat-level analysis.
Isolated PVCs / couplets / triplets	Review pending: 1 selected event(s)
Bigeminy / trigeminy / morphology	Requires beat-pattern and morphology assessment; event classification alone does not measure this
VT runs: count / longest / fastest	1 confirmed · 0 pending · 0 suppressed (selected events); longest 4.2 s at 10:42:06 [E2]; fastest 156 bpm at 10:42:06 [E2]. Full-record totals are unavailable.
Reviewed ventricular candidates	Possible ventricular tachycardia: 4.2s, 156 bpm at 10:42:06 [E2]

Queue entries are selected events, not a complete beat inventory. A possible VT label remains tentative after queue confirmation. Counts and longest/fastest values describe confirmed selected events only. Full-record burden requires a beat inventory.

04 Supraventricular ectopic activity and atrial arrhythmias

PAC count / burden	None found in selected events · 0 confirmed · 0 pending · 0 suppressed (selected events). Full-record PAC beat count and burden require beat-level analysis.
Isolated PACs / couplets / runs	None found in selected events
SVT: longest / fastest run	0 confirmed · 1 pending · 0 suppressed (selected events). Full-record totals are unavailable.
Atrial fibrillation / flutter: duration and burden	AF: None found in selected events · 0 confirmed · 0 pending · 0 suppressed (selected events). Full-record totals are unavailable. Flutter: None found in selected events · 0 confirmed · 0 pending · 0 suppressed (selected events). Full-record totals are unavailable. Full-record durations and burden require rhythm coverage analysis.
Reviewed supraventricular candidates	0 confirmed · 1 pending · 0 suppressed (selected events). Full-record assessment requires analysis.

05 Pauses and conduction

Longest reviewed pause / time	Pause duration not supplied or review pending; full-record R–R analysis required
Pause count / threshold / sleep–wake context	0 confirmed · 1 pending · 0 suppressed (selected events). Threshold and sleep–wake context require a separate assessment.

Atrioventricular conduction	None found in selected events · 0 confirmed · 0 pending · 0 suppressed (selected events). Full-record assessment requires analysis. Full-record conduction assessment requires PR/AV analysis.
Intraventricular conduction / pacing	Requires QRS morphology and pacing assessment
Reviewed pause candidates	0 confirmed · 1 pending · 0 suppressed (selected events). Full-record assessment requires analysis.

06 ST–T analysis, intervals and heart-rate variability

ST interpretation	Requires ST interpretation; rhythm-event classification does not assess ST changes
ST measurement coverage	21 h 42 min (example)
ST deviation: lead I / II / III	−0.08 / −0.12 / −0.06 mV (example only)
ST reference / measurement point	PR reference / J + 60 ms (example configuration)
ST episode count / duration / onset time	Requires ST episode analysis; not supplied by rhythm-event classification
PR / QRS / QT / QTc	Requires interval measurements and a specified QTc correction method
HRV: SDNN / RMSSD	Requires validated normal-to-normal interval analysis

ST fixtures do not establish ischemia. Baseline drift, posture, lead configuration and ventricular activation require review. QT/HRV values are not inferred from incomplete data.

07 Symptom–rhythm correlation

Diary / patient-triggered events	Diary not provided; symptom correlation cannot be assessed.

A missing diary does not mean the patient was asymptomatic. Include each symptom, timestamp and contemporaneous rhythm when available.

08 Final comment

HOLTER SUMMARY

During the 24 hour Holter monitoring, the following rhythm was recorded: not supplied, with a frequency range from not supplied to not supplied and a mean frequency of not supplied. Supraventricular assessment not supplied. Ventricular assessment not supplied. Conduction assessment not supplied. Sinus pause assessment not supplied. Synthetic workflow demonstration. One example candidate was reviewed. Remaining candidates await review; additional measurements are not supplied. No automated diagnostic analysis was performed.

7 selected events remain pending review. Missing measurements do not establish absence of arrhythmia.

KPI & vector checklist

20 / 43 available · 0 manually checked · 1 event categories classified · 23 not supplied

⚠ **Manual check needed: 2 KPIs below 50%.** Pause candidates, ST deviation · CH 2.

Model confidence: **below 50% · manual check** **50–79.99%** **80–100%** **Gray · not supplied**

Example scores are simulated for this demo. Confidence is supplied by the model; it is not a verified probability of disease. Episode score ranges are not an aggregate KPI probability. Zero reviewed events does not establish absence.

KPI / VECTOR	RESULT & COVERAGE	MODEL CONFIDENCE	REVIEW
Underlying rhythm Rhythm	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Average heart rate Heart rate	**72 bpm** Full record · provider reported Simulated example model	**Example 96%**	Model assessed · not manually checked
Minimum heart rate Heart rate	**48 bpm** Full record · provider reported Simulated example model	**Example 92%**	Model assessed · not manually checked
Maximum heart rate Heart rate	**156 bpm** Full record · provider reported Simulated example model	**Example 90%**	Model assessed · not manually checked
Total QRS complexes Heart rate	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Tachycardia burden Heart rate	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Bradycardia burden Heart rate	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Sinus tachycardia Episodes	**0 reviewed · 2 pending** Selected events only · no full-record total Simulated example model	**Example 91%–94% · episode scores**	2 event(s) pending classification
SVT Episodes	**0 reviewed · 1 pending** Selected events only · no full-record total Simulated example model	**Example 76% · episode scores**	1 event(s) pending classification
Possible VT Episodes	**1 reviewed · 0 pending; longest 4.2 s at 10:42:06 [E2]; fastest 156 bpm at 10:42:06 [E2]** Selected events only · no full-record total Simulated example model	**Example 43% · episode scores**	Manually classified · 1 confirmed event(s); original model scores retained
PVC events Episodes	**0 reviewed · 1 pending** Selected events only · no full-record total Simulated example model	**Example 82% · episode scores**	1 event(s) pending classification

KPI / VECTOR	RESULT & COVERAGE	MODEL CONFIDENCE	REVIEW
PAC events Episodes	**None found in selected events** Selected events only · no full-record total Selected event list	**Not supplied**	None found in selected events
Atrial fibrillation Episodes	**None found in selected events** Selected events only · no full-record total Selected event list	**Not supplied**	None found in selected events
Atrial flutter Episodes	**None found in selected events** Selected events only · no full-record total Selected event list	**Not supplied**	None found in selected events
Pause candidates Episodes	**0 reviewed · 1 pending** Selected events only · no full-record total Simulated example model	**Example 47% · episode scores**	**Manual check needed — below 50%**
Conduction block candidates Episodes	**None found in selected events** Selected events only · no full-record total Selected event list	**Not supplied**	None found in selected events
Artifact candidates Episodes	**0 reviewed · 2 pending** Selected events only · no full-record total Simulated example model	**Example 63%–88% · episode scores**	2 event(s) pending classification
Other findings Episodes	**None found in selected events** Selected events only · no full-record total Selected event list	**Not supplied**	None found in selected events
PVC burden Ectopy / burden	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
PAC burden Ectopy / burden	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
AF burden Ectopy / burden	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Longest pause Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
PR interval Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied

KPI / VECTOR	RESULT & COVERAGE	MODEL CONFIDENCE	REVIEW
QRS duration Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
QT interval Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
QTc interval Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
P-wave axis Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
QRS axis Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
T-wave axis Intervals / vectors	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
ST deviation · CH 1 ST / channels	**-0.08 mV** Full record · provider reported Simulated example model	**Example 78%**	Model assessed · not manually checked
ST deviation · CH 2 ST / channels	**-0.12 mV** Full record · provider reported Simulated example model	**Example 42%**	**Manual check needed — below 50%**
ST deviation · CH 3 ST / channels	**-0.06 mV** Full record · provider reported Simulated example model	**Example 83%**	Model assessed · not manually checked
ST episodes ST / channels	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
ST coverage ST / channels	**21 h 42 min** Full record · provider reported Simulated example model	**Example 73%**	Model assessed · not manually checked
SDNN HRV	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied

KPI / VECTOR	RESULT & COVERAGE	MODEL CONFIDENCE	REVIEW
RMSSD HRV	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Analyzable time Quality	**23 h 18 min** Full record · provider reported Simulated example model	**Example 88%**	Model assessed · not manually checked
Excluded time Quality	**42 min** Full record · provider reported Simulated example model	**Example 88%**	Model assessed · not manually checked
Timestamp gaps Quality	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Constant-signal candidates Quality	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Signal quality Quality	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Diary entries Symptoms	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied
Symptom–rhythm correlation Symptoms	Not supplied Analysis unavailable No result supplied	**Not supplied**	Not supplied

09 Physician authentication

Reading physician	Not provided
Professional registration	Not provided
Signature / signed date	Not signed — authentication and clinical sign-off are not implemented.

A Selected events and review status

This is a selected-event review log, not a full-record statistical count. Suppressed detections are excluded from clinical findings.

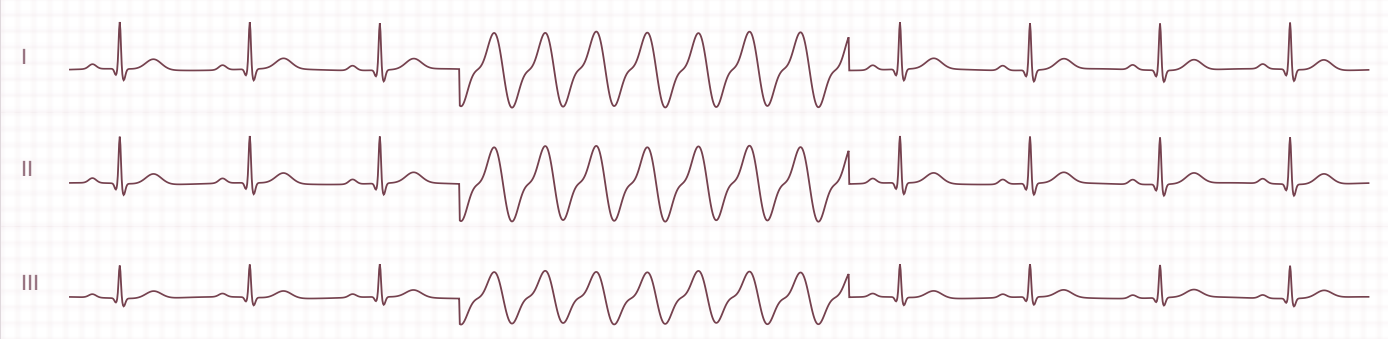
ID / time	Event label	Duration	Rate	Review status
E2 10:42:06	Possible ventricular tachycardia	4.2s	156 bpm	Queue confirmed
E1 09:24:18	Sinus tachycardia	2m 14s	118 bpm	Pending review
E3 11:18:32	Motion artifact	8.6s	82 bpm	Pending review
E4 13:06:44	Supraventricular tachycardia	18.2s	142 bpm	Pending review
E5 15:32:10	PVC couplet	1.4s	86 bpm	Pending review
E6 18:54:03	Electrode artifact	12.1s	75 bpm	Pending review
E7 02:14:52	Possible pause	2.3s	48 bpm	Pending review
E8 06:48:20	Sinus tachycardia	1m 36s	112 bpm	Pending review

B Supporting ECG strips

Illustrative strips for queue-confirmed events only. SIMULATED — not diagnostically calibrated; not a claimed 25 mm/s or 10 mm/mV printout. Beginning/end and heart-rate extrema strips are not available as validated evidence.

E2 · Possible ventricular tachycardia

10:42:06 · 4.2s · 156 bpm · SIMULATED



10-second illustrative context window · event duration as listed above