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**Challenge:** **Extended Holter analysis is time intensive**

Extended Holter analysis can be up to 14 days or longer, thus making analysis more time intensive than traditional 24-to-48-hour studies.

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**Solution:** Add event screening software to automate arrhythmia event detection in longer recordings allowing your Electrophysiology (EP) techs to analyze more in less time.

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**Details:** Longer Holter recordings take many hours to evaluate using beat-by-beat arrhythmia analysis. Computer event analysis is indispensable for the interpretation of Holter ECG, as it provides a very large quantity of data.<sup>(1)</sup> Adding in automated algorithmic event screening for patients with suspected or intermittent arrhythmias provides faster analysis than traditional analysis, especially for extended Holter studies.

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**Solution Requirements:** Start with versatile Holter devices for traditional or extended screening, arrhythmia, and pacemaker detection. Pair it with event screening software to deliver assisted analysis helping identifying arrhythmia events of concern. For Holter recordings requiring more detailed beat-by-beat level analysis, move the recording to the full arrhythmia diagnostic analysis solution.

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**Post Implementation:** Holter recordings using event screening software as the first line of analysis identified arrhythmic events within minutes of the data download. Event screening can also be used to triage extensive Holter backlog.

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**Analysis:** EP techs can analyze more Holter recordings in the same amount of time when using algorithmic event screening software as the first line in arrhythmia evaluation.

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**Result:** Event screening software used to analyze extended Holter recording results in rich, relevant, and rapid arrhythmia analysis allowing patients to continue the optimal care pathway as soon as possible.

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**References and Impact:** [Computer analysis of Holter electrocardiogram - PubMed \(nih.gov\)](https://pubmed.ncbi.nlm.nih.gov/35301511/)

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