This study compares the diagnostic accuracy between human oversight-dependent continuous ECG monitoring and algorithm-dependent mobile cardiac telemetry (MCT).

The study was conducted on 50 sequential patients, each wearing the MCT and a long-term continuous ECG patch monitor simultaneously. The study and the associated report were reviewed by two electrophysiologists and categorized according to whether significant clinical arrhythmias were correctly diagnosed.

**STUDY FINDINGS**

**Twice as many patients were diagnosed with significant arrhythmias using continuous ECG monitoring**

- In 7/46 (15%), VT was reported by MCT, compared to 13/46 (28%) patients by LT-ECG monitoring.
- In 3 patients, 2° AV block was unreported by MCT but captured by LT-ECG monitoring.
- In 2 patients, AV node re-entrant tachycardia, captured by LT-ECG monitoring was missed by MCT.

**CONCLUSIONS**

Human-oversight dependent continuous ECG recordings significantly outperformed algorithm-dependent MCT recordings in the same patients over the same time period.


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