

User evaluation: Comparison of the disposable Blue Sensor SU electrode and the traditional reusable Welsh

Year: 2001

Hospital: Ambulatory Cardiology Department of Hospital Bellaria, Bologna, Italy

Aim: The aim of the study was to compare the performance of the Ambu Blue Sensor SU ECG electrode and the traditional reusable Welsh cup electrode.

Number of patients: 100

Summary: 50 patients were included in the Blue Sensor SU group and 50 patients were included in the Welsh cup group.

In order to obtain a good quality ECG trace, there was a greater need to print repetitive recordings when using the Welsh cup electrodes compared to the SU electrodes. In 96% of the patients in the SU group, a good quality ECG trace was obtained during the first ECG recording. In comparison, only in 88% of the patients in the Welsh group, a good quality ECG was obtained during the first ECG recording.

Overall, the ECG trace quality was better when using the Blue Sensor SU electrodes compared to the Welsh cup electrodes. The ECG traces were rated as very good and good in 96% of the patients in the SU group compared to only 80% of the patients in the Welsh cup group.

The Ambulatory Cardiology Department of Hospital Bellaria in Bologna, Italy, has subsequently changed to the disposable Ambu Blue Sensor SU electrodes.

