Sophisticated dual channel ambulatory ECG monitoring and analysis that documents up to 30 days of continuous ECG waveform data.

The TruVue™ wireless ambulatory ECG monitoring system combines a sophisticated arrhythmia analysis algorithm with automatic wireless data transmission to provide a comprehensive long term ECG monitoring solution for patients with existing cardiac arrhythmia. A patient may be monitored with this system for up to 30 days.

The patient wears a tiny sensor connected by three electrodes attached to their chest. The sensor continuously digitizes a two channel electrocardiogram and transmits it via Bluetooth technology to a handheld unit that can be carried by the patient or placed nearby. The handheld unit utilizes cellular communication technology to transmit every beat of the two channel electrocardiogram to secure servers located at our 24 x 7 monitoring center staffed by certified cardiac technicians.

Powerful computer algorithms analyze the incoming ECG looking for changes in morphology, rate, or rhythm or to identify markers indicating that the patient pressed the Event button because they felt a symptom. Our cardiac technicians review and validate patient events and abnormal ECG findings and post reports immediately upon detection of significant events. ECG tracings that meet customer specified notification criteria may trigger an immediate call to the patient’s physician.

In addition to providing reports for significant ECG events, the TruVue system provides daily summary reports which include 24 hour trends of heart rate and other rhythm abnormalities. These reports can be accessed on-line and allow a physician to review any portion of the recorded two channel ECG at any time.

Wireless ambulatory ECG monitoring is well suited for patients diagnosed with underlying cardiac disease that have demonstrated a need for long-term ECG monitoring. With a combination of algorithm triggered ECG recordings, patient-initiated recordings, and the ability to review every beat of the electrocardiogram for up to 30 days, the system provides documentation of any symptomatic or asymptomatic events that might occur during the monitoring period.
Use our web-based application to enroll patients, view reports, and view any section of stored ECG data.

Biomedical Systems provides TruVue users with the ability to access their patient’s ECG monitoring data around the clock. Our HIPAA compliant web application is scalable and can be customized to fit your needs. You can enroll patients on-line, review reports, or display and print any ECG data from any time frame within the 30 days of monitoring.

On-line Reports and Patient Enrollments

Log-in to our secure web application and you will be presented with a listing of all unread reports which can be individually viewed, printed, or archived. Significant event reports, daily summary reports, and end of study final reports are all available. Batch printing provides a quick way to print all new reports with a quality far superior to traditional faxed reports. Patients may also be enrolled for testing on-line, eliminating the need to manually fill out and fax enrollment forms.

View any portion of the 24 hour ECG

Select any daily summary report during the monitoring period and you will be presented with a 24 hour trend graph of heart rate over time. Click anywhere on the trend graph and the representative two channel ECG will be displayed. For finer resolution, the trend graph scale may be changed to display a two hour increment.

The two channel ECG display also allows you to make interval measurements, zoom in on selected areas of ECG, and add text annotations. This flexibility and access to all monitored ECG is unique among service providers that offer wireless ambulatory ECG systems.