



CTG-Online



State-of-the-Art Technology Applied to Antenatal Medicine

Trium's innovative telemedicine products and services support a universal solution for data collection, data transfer, analysis, and visualisation. With the base product »Trium CTG Online«, fetal monitoring can now be done remotely at home, in the clinic or hospital and the results viewed in real time from any location. This computer-based monitoring system reliably monitors both the heart rate of the fetus and the uterine activity of the mother.

»Trium CTG Online« contains an online CTG classification program with CE- certification, protected by a U.S. patent. This is of major significance as the need for automated decision support becomes more important. Other patents filed by Trium deal with methods of biosignal transmission via the Internet and the online integration of telemedical service centres.

The benefits

A favourable price versus performance ratio is not the only advantage of »Trium CTG Online«. In emergency situations, the technology reduces critical response times and offers the option to obtain a second opinion. Expert medical staff can view the CTGs of several pregnancies simultaneously at any time, from any place, and focus on specific areas for closer examination or contact other, off-site experts for tele-consultations via the Internet.

Trium CTG Online offers obstetricians and midwives an important diagnosis tool in time-critical situations, enabling them to take vital decisions faster and reduce expensive false negative alerts. Confidentiality and patient data protection are maintained at all times.

Convincing Functionality

An intelligent alert system classifies fetal heart rate, contractions and fetal movement according to international FIGO (International Federation of Gynecology and Obstetrics) regulations, and indicates potentially critical situations at an early stage. The system, which has been designed and patented by Trium, is based on a process for automatic recognition of normal patterns and deviations from normal. The core function of this process is the »delayed moving window« algorithm (DMW® Algorithm).



Marketing

We are in the process of establishing sales and distribution channels for other European markets. The cost for CTG Online includes a one-time installation fee to set up the system, licensing fees based on the number of beds monitored, plus an annual charge for support services.

Trium CTG Online offers the following functions

- centralised labour room monitoring
- simultaneous presentation [surveillance] of several monitoring stations
- in-depth reports with standard paper recordings
- in-depth reports with standard paper recordings
- patient data administration and archiving functions
- plug & play compatibility with standard CTG systems
- online-linking of external users such as general practitioners with hospital beds and other experts
- option to add-in other parameters, i.e. pulse oxymetry

Successful Application – Reference List

A number of well-known maternity hospitals and clinics in Germany are relying on Trium's CTG Online competency:

- Achern District Hospital, Achern
- Munich University Clinic Großhadern
- Munich Technical University Clinic 'Rechts der Isar'
- Neuperlach Hospital, Munich
- Wolfart Clinic, Graefelfing
- St. Mary's Hospital, Witten

CE 0535

