

Trium CTG Online

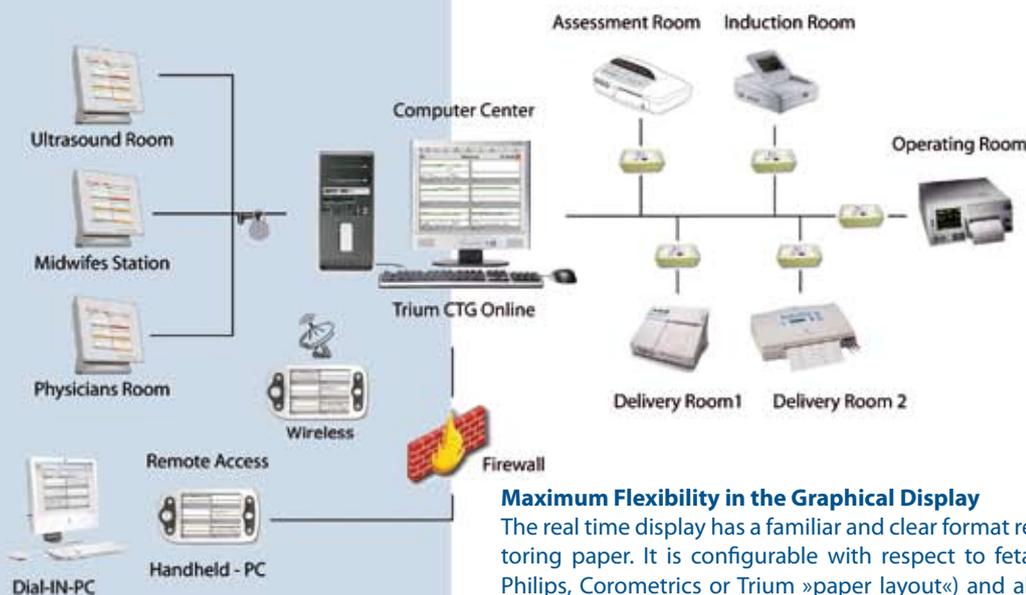


Trium CTG Online

Our class IIB CE -marked and patented fetal monitoring solution Trium CTG Online offers a broad spectrum of features making surveillance and diagnostics in the obstetrics department most efficient.

- Maximum Flexibility in the Graphical Display
- Recommended Online Decision Support
- Variety of Fetal and Maternal Data
- Annotation and Printing
- Fetal Monitors and Bedside Hardware
- Minimal-invasive Integration

Trium CTG Online



Trium CTG Online System Features

Trium CTG Online is a highly scalable and configurable central surveillance system for the OB department specifically designed to meet the surveillance, alerting and diagnostic aiding demands of a modern obstetrical care environment. With the base product »Trium CTG Online«, monitoring both the heart rate of the fetus and the uterine activity can now be done in the clinic or hospital or remotely at home, and the results viewed in real time from any location using a standard web browser. This computer-based monitoring system reliably and safely connects to any state-of-the-art fetal monitor using the hospitals network infrastructure in a cost efficient way. An intelligent alert system protected by an U.S. and European patent classifies the fetal heart rate according to international FIGO (International Federation of Gynecology and Obstetrics) guideline and indicates potentially critical situations at an early stage.

Fetal Data Online in a Web Browser

A common web browser allows you to display your CTG tracings anywhere around the hospital and remotely – in the delivery room, on the general wards or simply on any computer connected to the hospitals network. Your decision process is, therefore, no longer guided by costly license fees for single station work places. Not today and most importantly not for the future. Due to its web-like interface the system is easy to use and requires a minimum staff training

Maximum Flexibility in the Graphical Display

The real time display has a familiar and clear format resembling common fetal monitoring paper. It is configurable with respect to fetal monitor manufacturers (e.g. Philips, Corometrics or Trium »paper layout«) and also with respect to the display speed (e.g. 1, 2 or 3 cm/min). The system allows a User to select any group of beds for concurrent display.

Recommended Online Decision Support

The online decision support module »FIGO Analysis« 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. Visible and audible alarms are available for alarm conditions based on fetal heartrate, e.g. baseline, variability, accelerations and decelerations as well as the short term variability.

Variety of Fetal and Maternal Data

The standard graphical display shows the fetal heart rate (including gemini support), uterine contractions and fetal movement. The system is also able to display maternal heart rate, blood pressure, temperature, maternal and fetal oxygen saturation either integrated as a curve into the chart or as digits below the chart. Other maternal data will be imported via a HL7 interface seamlessly from a OB/GYN system, e.g. the View-point system.

Annotation and Printing

Every particular CTG trace can be annotated in real time or retrospectively and electronically signed. Commonly used annotations are available via a menu, which is configurable in a straightforward manner. The annotations are displayed on any screen displaying the patient's data and on any paper-based print-out. Print-outs are available either in HTML or pdf format, thus, every standard printer can be used for printing.

Fetal Monitors and Bedside Hardware

Trium CTG Online is compatible with, and works to full functionality with, Fetal Monitors made by all the leading manufacturers (Philips/HP, Corometrics, Huntleigh, Analogic, Oxford Instruments, Neoventa), using the fetal monitors digital communication interface. Using Triums »Isolation Device Server« the bedside hardware is connected to the hospitals LAN with one integrated device providing the required RS232-to-Ethernet link and electrical isolation in conformity to all appropriate Medical Devices Standards.

Minimal-invasive Integration

Trium CTG Online seamlessly integrates into the hospitals IT infrastructure and backup architecture. Thus it requires a minimum of administration overhead and avoids massive intrusions in the local infrastructures or in other words, saves money by making use of available infrastructures..