sonicaid™FetalCare 3

HUNTLEIGH

CTG Archiving & Reviewing Software
For the Doctor's office, clinic or hospital

sonicaid FetalCare 3

CTG Archiving & Reviewing Software

...CTG archiving & interpretation made easy

View, store & retrieve, and analyse CTGs at the click of a button

Sonicaid FetalCare 3 is a CTG viewing and archiving system which meets the growing demands for centralised electronic patient records.

It combines live reception and viewing of CTG traces from one or more fetal monitors, with a patient database for trace & patient data storage. Full networking capability allows live traces & stored records to be viewed from one or more locations, including remote access for expert referral, consultation, etc.

As one of several options, the powerful Dawes-Redman analysis (now based on ~100,000 traces) provides a powerful objective trace assessment tool, eliminating the problems associated with the traditional, highly subjective, visual interpretation.

It has been designed to be easy to install, easy & intuitive to use, and is highly scaleable, making it ideal for use in a wide range of clinical environments from Doctor's office through to clinic and hospital settings.

Why choose FetalCare 3?

- Interactive, live CTG trace view
- Annotate clinical actions, medication, etc. live on-screen
- Alerts users to traces which fall outside user-set rate limits
- Document patient notes in the patient database
- Automatic trace archival for robust CTG storage
- Manage multiple CTGs simultaneously with the interactive multi-bed view
- Quick & easy trace retrieval for case review, training & expert referral
- Eliminate the problems associated with subjective opinion based CTG interpretation using the advanced Dawes-Redman CTG analysis option.
- Auto-install with remote licence activation for easy installation and upgrading as required
- Free 28 day demo mode included as standard
- Supports MS Windows™ based operating systems for both PC & server based solutions

...performance for life

The ideal Solution for your Doctor's office system
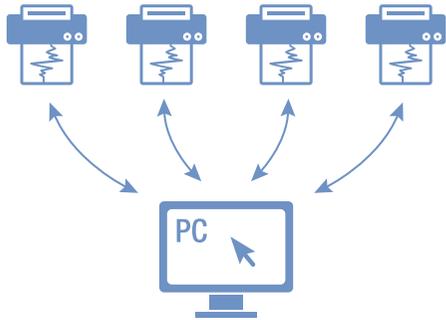
There are many pressures on Doctors today – not least, the drive towards centralisation of patient information and a move to electronic patient records. In some markets, there is also a need for seamless integration of a local EPR system into larger regional or national systems.

FetalCare 3 is designed to meet this need & is ideal for use in a doctor's office environment. The system typically supports up to four fetal monitors connecting into a single PC workstation, & is quick & easy to install. The intuitive "point & click" user interface makes it very easy to use. Live traces can be viewed in real-time, and are automatically archived to the patient record.

The powerful multi-bed view provides a real-time view of all active traces & is fully interactive for managing alarms, annotating, scrolling traces, etc.

The powerful Dawes-Redman CTG analysis option provides quick, reliable & robust interpretation of antenatal traces, eliminating the problems associated with subjective opinion.

Other options include full networking, additional viewing terminal licences, interfaces to 3rd party databases & STAN® support.

Equally at home in Hospitals & Clinics
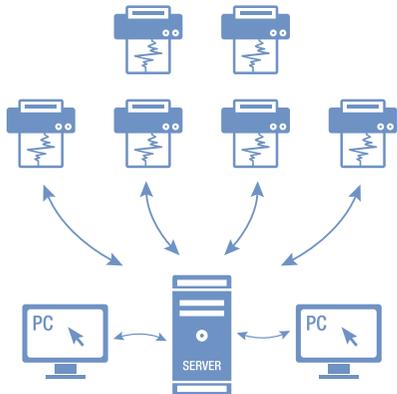
FetalCare 3 is highly scaleable, supporting an essentially unlimited number of beds (restricted only by computer hardware & processing resources), typically based on a server based infrastructure.

It can equally be used as a stand-alone PC based system in a regional clinic or ward environment with a central access terminal. On a larger scale, it can be networked to provide hospital wide platforms with multiple access terminals, or even regional or national solutions. It provides an excellent platform for expert referral, case review & training.

A wide range of configurations & options include:

- Interfaces to 3rd party Hospital or Maternity information systems
- Unlimited additional access terminals, including remote access (subject to local IT / Security protocols)
- Bed management tools allow beds to be organised by ward, clinic, etc.
- The powerful Dawes-Redman CTG analysis
- Support for a range of makes/models of fetal monitors, including full ST analysis support for STAN® fetal monitors
- Server based installations support a wide range of physical & virtual server platforms

The system is highly scaleable and can be extended to include:

- Multiple beds, limited only by hardware system resources
- Bed view management
- Interactive, live, multi-bed views
- Remote access from any number of access terminals
- Regional networked solutions
- Support for interfacing Neoventa STAN® fetal monitors (option)

MORE THAN JUST AN ARCHIVING SYSTEM...

LIVE CTG VIEWING

MULTI-BED VIEW

ARCHIVING

CTG ANALYSIS

CASE REVIEW

EDUCATION

TREND VIEW
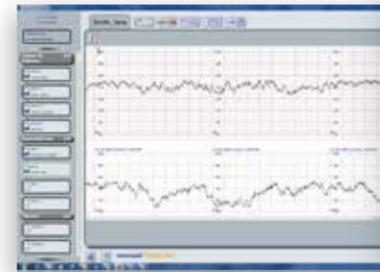
LIVE CTG VIEWING
- Live single CTG trace view
- User configurable high rate, low rate & loss of contact alerting
- Trace scrolling
- Trace annotation tool – choose from pre-defined drop-down list or free text annotations
- CTG annotations include operating mode, date, time
- Includes STAN™ support option
- Colour separation for twins traces, including visual channel coincidence marking

MULTI-BED VIEW
- View multiple live traces simultaneously
- Interactive – print, annotate & alarm functions still accessible for each trace
- Simple "Point & click" switching to single trace view for any trace in view
- View unassigned traces

ARCHIVING
- Fully automated trace archiving to patient record
- Quick & easy trace retrieval for case review, training & expert referral
- SQL Express included as standard Upgrade to full SQL database for larger systems
- Database management tools

CTG ANALYSIS
- Available as an optional upgrade for analysis of live & stored traces
- New release of the world-renowned "Dawes-Redman" CTG interpretation
- Now based on a database of no less than 100 thousand traces, making it massively more robust & powerful, far exceeding anything else on the market today
- Includes longitudinal trend graphs of key analysis parameters
- Clearer on-screen result reporting

CASE REVIEW
- Allows quick & easy trace retrieval for case review
- Annotation tool & patient notes allow review notes to be added retrospectively
- Powerful platform for expert referral
- Remote networking allows authorised access from any location

EDUCATION
- Analysis option provides powerful training platform
- Intuitive user interface minimises training overhead
- Supported by Huntleigh's "H.E.L.P" education & learning program

TREND VIEW
- Graphic trend views of key parameters
- Baseline rate graph
- STV graph
- Fetal movement graph
- Provides longtitudinal view of key trends as the pregnancy progresses
- Powerful pregnancy management tool

...powerful, flexible, easy to use

sonicaid FetalCare 3

...call on the experience of 100,000 CTGs

Dawes-Redman CTG analysis has been available in a number of forms in Huntleigh Sonicaid products for many years.

It has been over 20 years since the original Dawes-Redman analysis was first developed and published, based on a database of just 8000 traces. CTG interpretation is not a precise science and no analysis will ever be right every time.

Over the years, Oxford University have continued to grow the database on which this analysis is based & it now holds 100,000 antenatal trace records including a knowledge of outcomes, making it the largest database of its type in the world. Over this period, the algorithm is repeatedly tested & enhanced as the database collects ever-growing evidence.

Additionally, whenever we get feedback of cases where there is a poor outcome, following a CTG trace which met the Dawes-Redman criteria, the algorithm is reviewed &, where possible, enhanced to ensure that the next time such trace patterns present, the analysis will identify them as presenting a risk.

This new release is our most powerful yet, based on over 20 years of continual development. It brings with it many enhancements and benefits which are not included in the version integrated in our fetal monitors.

Sonicaid...Often copied, never equalled:

A number of copies of the Dawes-Redman analysis, or subsets of it, based on early published versions of the Dawes-Redman analysis, are appearing on the market from a number of other manufacturers. Huntleigh is the exclusive distributor for the genuine Oxford University accredited Dawes-Redman analysis in its current form. All other implementations of this are based on databases as small as 8000, do not benefit from the wide ranging enhancements developed over the years, and should be used with caution.

Additionally, some products provide a Short-term Variability (STV) value as an indicator of fetal condition in isolation. While STV is an important parameter which can detect certain risk factors, it will not detect other significant risk factors & should not be used in isolation. Our analysis uniquely includes a total of 14 parameters, of which STV is just one, on which the overall interpretation result is based.

A more powerful & robust algorithm

- The database is now more than double the size compared with the analysis integrated into our fetal monitors & 35% bigger than the analysis in our previous software systems. This adds very significant statistical power to the analysis.
- Further development of the algorithm ensures the most reliable results possible.
- Includes 14 separate parameters – more than any other analysis tool

Storage & retrieval of the analysis results together with the CTG trace

- FetalCare 3 automatically archives analysis results with the CTG
- Traces can be retrieved for analysis review
- The analysis can be re-run at anytime on any part of a trace

Now reports three possible outcomes

- NEW - Criteria not YET met
- Avoids confusion when criteria are not met at the current analysis point but may be met at a later analysis point.
- Criteria not met
- Criteria met

Enhanced on-screen reporting

- The full analysis results can be reviewed on-screen
- A comprehensive analysis report can be printed

Trend view

- Provides graphic plots of key trace parameters over a user defined period
- Parameters include Basal Rate, Fetal movements & STV
- Provides a powerful longitudinal view of trends as they develop through the pregnancy
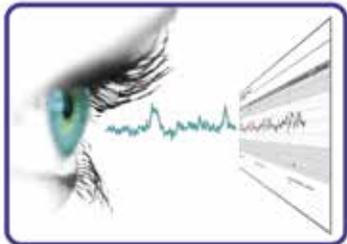
**Fetal Heart Rate Analysis**

CTG ANALYSIS
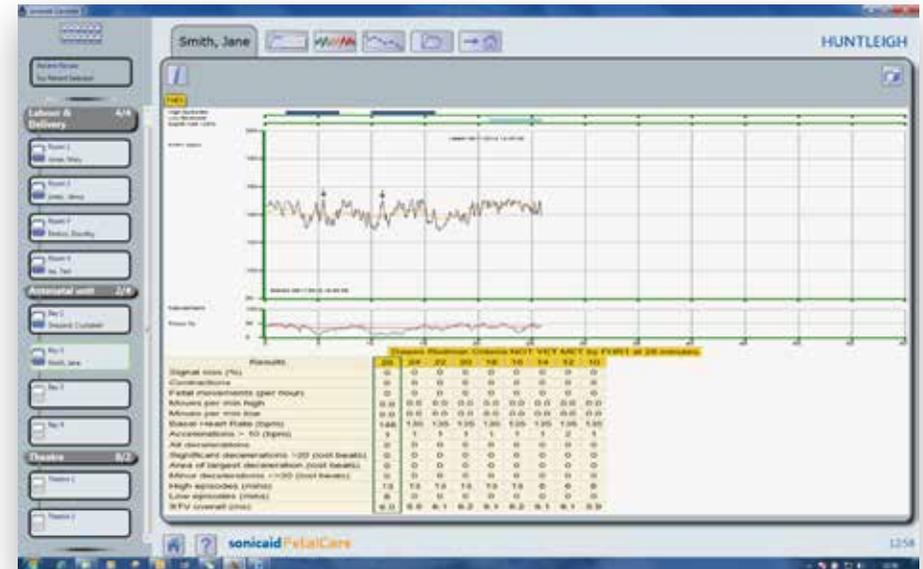
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- Clearer on-screen result reporting

Recommended Hardware Specifications

Server	1-5 Beds	5 – 20 Beds	20+ Beds	Minimum
Processor	2.5GHz (2 core)	2.5 GHz (4 core)	3 GHz (8 core)	3GHz single core
HDD (Install)	20GB free space	20GB free space	20GB free space	20GB free space
Data Storage	5MB per day per bed	5MB per day per bed	5MB per day per bed	5MB per day per bed
RAM	2 GB	4GB	4GB	2GB
O/S	Windows 2008 Server 32 bit	Windows 2008 Server 64 bit	Windows 2008 Server 64 bit	Windows 2003 Server 32 bit
Database	SQL 2008 Standard 32 bit	SQL 2008 Standard 64 bit	SQL 2008 Standard 64 bit	SQL 2005 Standard
Network	100 Mbit	100 Mbit	1 Gigabit	100Mbit

PC System /Client	Recommended	Minimum	Operating systems
Processor	Dual core 3GHz	1GHz single core	Windows XP SP3
RAM	2 GB	1GB RAM	Windows 7 professional
HDD (Install)	10GB free space	10GB free space	Windows 2008 Server 32 bit
Video card	64MB , DirectX 9 compatible, 800 X 600	64MB, 800 X 600	Windows 2008 Server 64 bit
O/S	Windows 7 professional	Windows XP SP3	

*FM800E

*Team

*BD4000XS

*Fully compatible with our range of fetal monitors
Also compatible with other makes/models
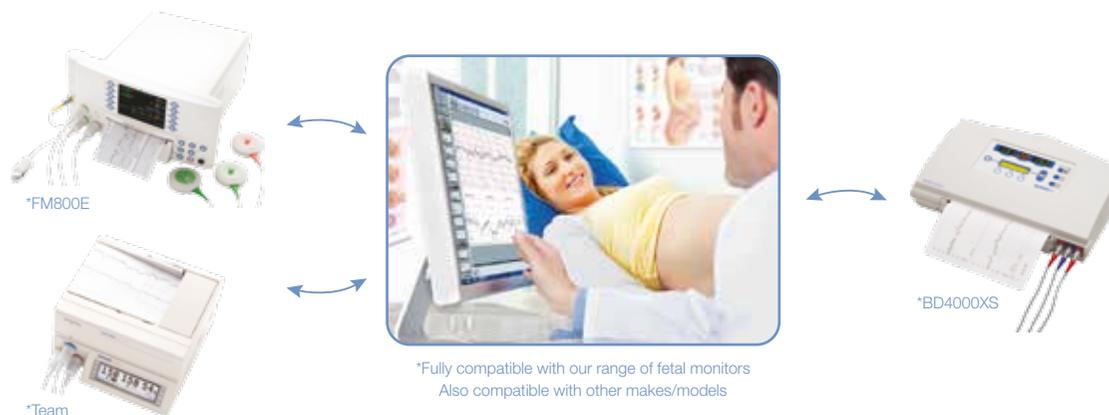
HUNTLEIGH   …with people in mind

archiving   analysis   ctg viewer