

# Monica AN24™ Fetal Holter



**Used in Home or Hospital**, the AN24 can be used as a recorder for retrospective download to a PC \notebook running Monica VR software

**Indicator for intensive monitoring** - Overnight recording to determine the requirement for intensive monitoring

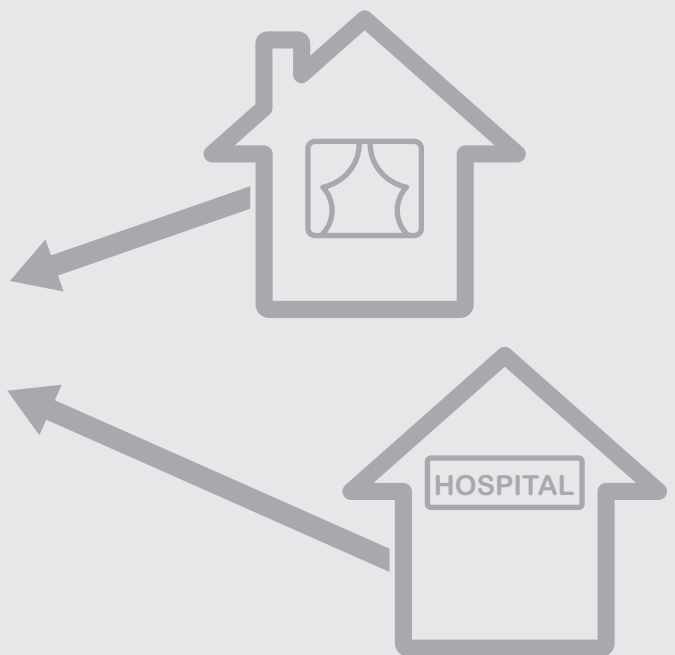
**Confirmation of fetal well-being** - Overnight monitoring to confirm fetal compromise (fetus is more active overnight)

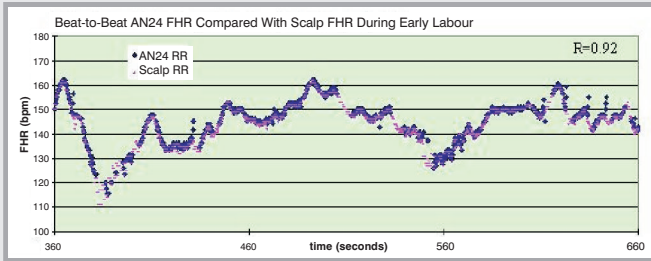
**Maternal & clinical reassurance** - provide information where the only current surveillance strategy is maternal perception of reduced fetal movements

**Resource saving** - Home care as an alternative to admission

**Longitudinal monitoring** - following drug therapies

**Real-time home monitoring option** - with telemedicine partners (including opportunities such as outpatient induction of labour)



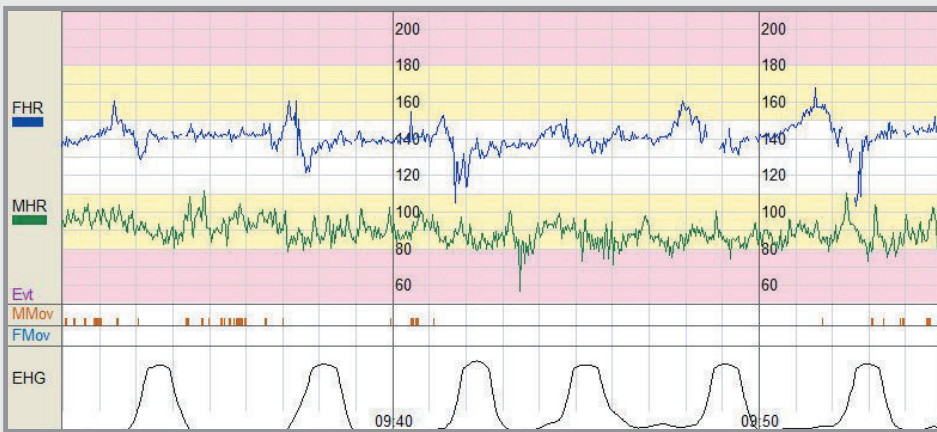


## Accurate and Reliable

- FHR is 96% accurate in comparison to fetal scalp
- Over 86% of pregnant women monitored achieved an over night FHR success rate of 70% or more
- Trans-abdominal fetal ECG FHR was used in the development of a current high end Doppler CTG monitor algorithm

**Uterine Activity** - EHG Uterine Activity has high correlation with IUPC in detection of contraction frequency/10min  
 \*Available in Autumn 2008 as free of charge upgrade

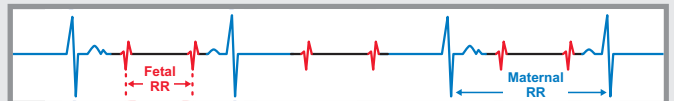
## Conventional Heart Rate Trace with automated assessment



- Duration
- Decelerations
- Accelerations
- Variability
- Baseline

**Simple Operation** - no adjustment required with 20hrs or more with no intervention or supervision  
**R-R Intervals** - are used to calculate both fetal and maternal heart rates offering a better more accurate assessment of the FHR with no 'coasting' or confusion with the MHR. Long Term Recording-can provide a better assessment of fetal wellbeing

**Safe** - the AN24 is passive in operation > Despite the concerns with Doppler ultrasound monitoring there has not been a clinically viable alternative until now.



## Abdominal fetal ECG is NOT affected by:

- Fetal Movement
- High BMI
- Fetal Position



## Changes detected in fetal heart rate, can be caused by:

- Drugs
- Changes in fetal activity
- External stimuli
- Changes in placenta blood flow
- Increase in temperature
- Hypoxia