

## **e-Learning Age Awards: e-Fetal Monitoring Case Study Tool Most Innovative New Learning Hardware or Software Product**

### **Brief summary**

The death rate of babies in labour is not falling, with 35% - 50% of deaths related to misinterpretation of electronic traces (CTGs) recorded during labour. An e-learning solution was sought to improve training of obstetricians and midwives, to include near-perfect simulation of clinical practice in interpreting traces. No suitable commercial CTG interpretation tool was available.

In collaboration with the Royal College of Obstetricians and Gynaecologists, e-LFH developed a bespoke Case Study tool, comprising a case study generator that allows clinical Subject Matter Experts to act as content authors without technical support, and a case study player that allows the case study to be uploaded to any SCORM compliant LMS and be accessed by unlimited users.

In addition to the ease of creating cases, key design features include the use of real CTGs, where the outcome is known, the requirement for the learner to highlight abnormalities accurately on the trace, the incorporation of views from three medico-legal experts throughout each case and the provision of specific targeted feedback after each hour of labour.

In addition to saving training costs across the NHS, e-FM should raise standards of CTG interpretation. A 20% improvement translates into an estimated saving of £27.6m per annum in obstetric litigation and will save the lives of, or prevent severe handicap to, 100 babies a year.