

Should you need more information on the e-learning program "EFM Interpretation" – and the opportunity to purchase the program – please contact:

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Visit also www.ctg-tolkning.dk

Skejby Sygehus has provisionally commissioned e-learning programs in "Resuscitation following clinical cardiac arrest" for nurses, "Hand hygiene" for all employees, "Clinically meaningful coding and patient registration" for physicians and medical secretaries, "Difficult intubation" for anaesthetists and soon also "Resuscitation following clinical cardiac arrest" for all physicians.

Thus Skejby Sygehus are the leading Danish hospitals when it comes to using e-learning as a strategic tool in the development of skills and further training for physicians, midwives, nurses and medical secretaries.

Foto, illustration and layout: Department of Information, Skejby Sygehus

E-learning program in

EFM Interpretation

developed
for midwives and obstetricians

*About Skejby Sygehus,
Aarhus University Hospital*

Skejby Sygehus is a large, well-functioning and state-of-the-art university hospital, which deliberately aims at using IT for further training and the development of skills. The hospital is therefore well equipped with PC workstations.

The Department of Obstetrics and Gynaecology at Skejby Sygehus aims at developing the skills of its clinicians as far as EFM Interpretation is concerned

Users will – based on the mother’s history and EFM readings – analyse and make decisions regarding the continued course of the delivery. In order to ensure the best possible results from the course, a response is given to each of the student’s answers regardless of whether the answer is correct or not. This aims to encourage the student to think as much as possible.

The e-learning program also provides access to references in the department’s obstetric instructions, and the course includes explanations of how to interpret EFM readings. There is also a list of the abbreviations that the department prefers to use in the journal etc..

E-learning in EFM Interpretation includes:

- 4 modules with a total of 16 vastly different cases based on excerpts from genuine traces and from histories.
- 5 – 15 questions on each case.
- Final test on 3 of the course modules.
- Student administration system – including the issue of course certificates.

A course certificate is only issued once all 4 course modules have been completed.

The Maternity Ward at Skejby Sygehus (Aarhus University Hospital)

The department delivers 5,000 babies a year and has 3 maternity wards.

The department continuously works to optimize the quality of professional care during each and every delivery.

This work involves offering all midwives and obstetricians continued further training in the form of conventional courses and e-learning.

The EFM course looks at the characteristic trace processes for asphyxia, uterine rupture, foetal anaemia, vena cava syndrome, pre-eclampsia, rapid decreases in pH, etc.

The screenshot displays the EFM e-learning interface. At the top, it says "EFM e-learning" and "Aarhus University Hospital SKEJBY SYGEHUS". A "Stop here" button is visible. The main area shows a fetal heart rate trace with a time of 23:20 and "5 questions" remaining. Below the trace, there are three smaller traces showing fetal heart rate (fcm/min) and uterine pressure (kPa) at different times: 23:20, 23:30, and 23:40. The interface includes a "1st part" and "2st part" button. On the right, a "Case 16" panel shows a question: "How would you describe the contractions?" with three radio button options. The third option, "The contractions are irregular and unusually long", is selected. Below the question, it says "Correct" and provides an explanation: "Normally, the length of a contraction does not exceed 90 seconds. However, the recorded fetal heart rate is normal, so the child is unaffected by the length of the contractions." There is an "Elaborate" button and navigation arrows. At the bottom, there are buttons for "EFM rules", "Scorecard", "Abbreviations", and "Obstetric instructions".

The question field

The user has just answered question 1 in Case no. 16 of the first course module correctly.

By clicking on the “elaborate” button, a more in-depth explanation is given to the user.

Clicking on the arrow displays the next question – or the previous question.

The module concludes with a test and the results are recorded in a Learning Management System.