



Improving clinical practice through CTG interpretation

OKB TRAINING OVERVIEW DOCUMENT

The aim of **OKB Training** is to enhance CTG interpretation, and therefore to improve clinical practice. The website package offers a free-practice tool enabling doctors and midwives to experience real-life cases and decide how to respond to them, without any of the associated real-life risks. Trainees will receive detailed feedback on their actions, and learning points will be given. Trainees will also be able to see their results, both specific to an attempt and as an average. This will act as a personal indicator for trainees to view their progress and measure their learning.

Additionally, the package also allows trainees to be set assessments. These will be set by administrators, who can set parameters such as how many times a trainee may attempt an assessment, and in what order they must be taken. Administrators can monitor the individual results of these assessments and view detailed analysis on a group level.

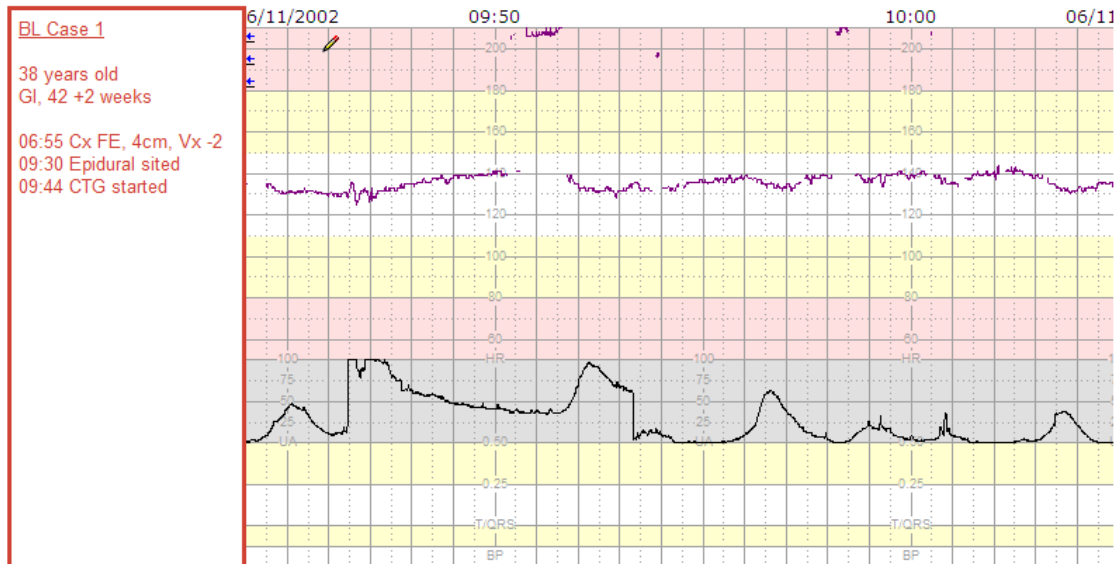
online CTG training...

...anywhere anytime.

Test Cases

Test Case 001: Question 1 of 8

TEST CASE 1 - Section 1 - Upto 10:04



Click on the following links to "[View the NICE CTG Classifications](#)" or "[View the STAN® CTG Classifications](#)".

Review the trace up to 10.04hrs.

How would you classify this trace?

- Normal
- Intermediate
- Abnormal
- Preterminal

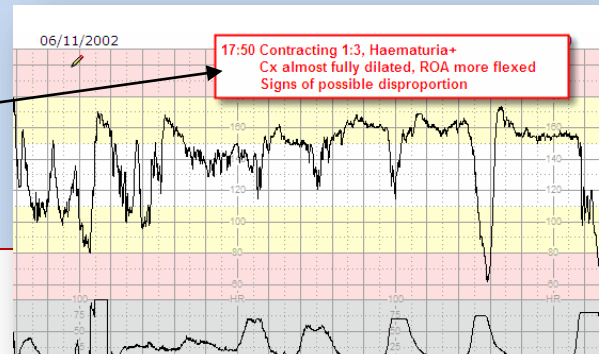
ANSWER

Test cases (whether they are free-practice or set as an assessment) are **real cases** with **real outcomes**. These are displayed (see screen capture above) in a similar way to real life, with the patient case notes given at the start of the trace. Notes Made by midwives are also clearly displayed on the trace.

Trainees can scroll through the trace at their own pace or use the "play" button for the trace to automatically scroll. At crucial or interesting points throughout the case, the trace will be paused and questions asked.

Trainees must answer these questions before continuing.

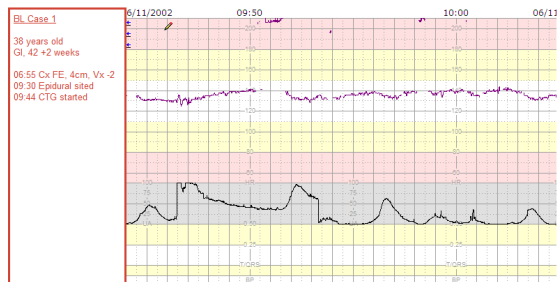
Notes made by midwives during the case



Feedback

Test Case 001: Question 1 of 8

TEST CASE 1 - Section 1 - Upto 10.04



Click on the following links to "View the NICE CTG Classifications" or "View the STAN® CTG Classifications".

Review the trace up to 10.04hrs.
How would you classify this trace?

- Normal
- Intermediate
- Abnormal
- Preterminal

ANSWER

Having answered each question, the trainee is given not only the correct answer, but also comprehensive feedback and learning points.

Review the trace up to 10.04hrs.
How would you classify this trace?

YOU ARE INCORRECT

This trace shows a baseline heart rate of reduced variability and with shallow decelerations, which has to be observed carefully. The clinical picture has to be observed for IUGR, thick meconium, reduced fetal movements, bleeding or infections. Further observation is needed. A healthy fetus may show this type of trace during the sleep phase due to fetal breathing.
Ref: Late onset fetal cardiac decelerations associated with fetal breathing movements. Shiffrin BS, Artenos J, Lyseight N. The Journal of Fetal & Neonatal Medicine. 2002; 12:253-9.

- Normal
- Intermediate
- Abnormal
- Preterminal

CONTINUE

Assessments

OKB
MEDICAL
WEB-TRAINING

View Tests	View Users	Your Mailbox
Your Assigned Practices	View Groups	Your Account
Your Assigned Assessments	View Tutorials	Logout

YOUR ASSIGNED ASSESSMENTS / View Inactive Assessments

These are all of the tests that you currently have assigned to groups as active assessments:

Name	Description	Deactivate	Max Attempts	Statistics	Preview
CTG Test 1	The following test questions have been produced by the obstetric staff at St. George's University of London and are designed...	Deactivate	3	View Stats	Start
Test Case 010	St. George's - Test Cases. The following test cases and tutorials have been produced by the obstetric staff at St....	Deactivate	Unlimited	View Stats	Start

Assessments are simply Test Cases which an administrator has assigned to trainees. These can be assigned on an individual basis or as a group. The administrator can limit the number of attempts, set the order that assessments must be taken in and view the results.

Statistics

Test Case 001 Practice Results

Total Attempts	3
Total Attempts Permitted	Unlimited
Total Possible Score	9
Average Result	3/9
Average Percentage	37%

ATTEMPT 3 (03/09/2010 12:06)

Question	Score	Details
TEST CASE 1 - Section 1 - Upto 10:04	0 / 1	View
TEST CASE 1 - Section 2 - Upto 10:40	0 / 1	View
TEST CASE 1 - Section 3 - Upto 12:40	1 / 1	View
TEST CASE 1 - Section 4 - Upto 15:09	0 / 1	View
TEST CASE 1 - Section 5 - Upto 16:28	1 / 1	View
TEST CASE 1 - Section 6 - Upto 17:40	1 / 1	View
> What is the appropriate clinical action?	0 / 1	View
TEST CASE 1 - Section 7 - Upto 21:00	1 / 1	View
TEST CASE 1 - Section 8 - Upto 21:20	1 / 1	View
Total Score	5 / 9	55.6%

ATTEMPT 2 (03/09/2010 11:50)

Question	Score	Details
TEST CASE 1 - Section 1 - Upto 10:04	1 / 1	View
TEST CASE 1 - Section 2 - Upto 10:40	0 / 1	View
TEST CASE 1 - Section 3 - Upto 12:40	0 / 1	View
TEST CASE 1 - Section 4 - Upto 15:09	1 / 1	View
TEST CASE 1 - Section 5 - Upto 16:28	0 / 1	View
TEST CASE 1 - Section 6 - Upto 17:40	0 / 1	View
> What is the appropriate clinical action?	0 / 1	View
TEST CASE 1 - Section 7 - Upto 21:00	1 / 1	View
TEST CASE 1 - Section 8 - Upto 21:20	0 / 1	View
Total Score	3 / 9	33.3%

The results for each test taken is stored on the system, allowing for a powerfully comprehensive set of statistics to be created.

Trainees have complete access to their own results, which allows them to see how they did each time they took a test (as practice or assessment), right down to which questions they got right and wrong. They can also see their own average results and overall group average results, which will act as a benchmark to assess their performance by.

Administrators will automatically receive the results of any assessments which they set, on both individual and group average levels. If an administrator wishes to see results for practice tests, this is theoretically possible and can be set-up, but is not activated as default. Administrators can instead see average results for practice tests, with no individual trainees identified.

These statistics will:

For trainees – act as motivation to improve performance; indicate where their skill level is and what areas need improving

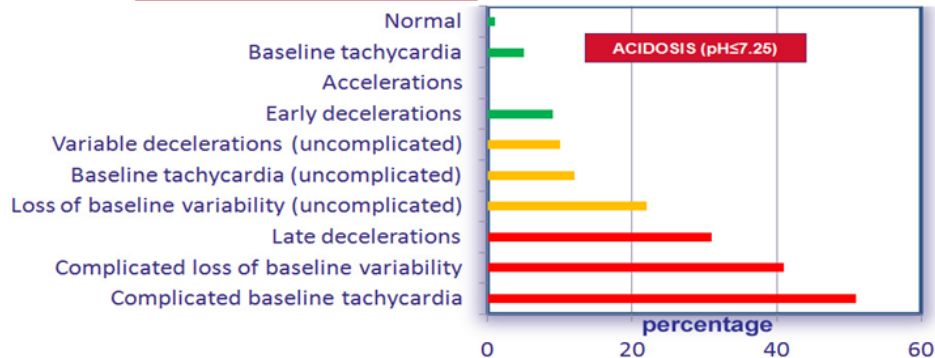
For administrators – indicate the skill level of the training group as a whole; show areas where trainees are not doing well; and so may need extra training; assess the improvement in performance as a result of this training package and other initiatives being undertaken.

Tutorials

MONITORING FETAL WELLBEING IN LABOUR

MOST CTG ABNORMALITIES DO NOT RESULT IN FETAL ACIDOSIS

FETAL HEART RATE PATTERNS



Graph adapted from "Accelerations are not associated with Acidosis", R.W. Beard et al. The significance of the changes in the continuous foetal heart rate in the first stage of labour. J Obstet Gynaecol Br Commonw 78:865-881, 1971

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Tutorials created by industry experts provide theoretical and practical knowledge to complement the CTG traces, and work to further enhance feedback on results to ensure trainees gain a full understanding of CTG interpretation that can be transferred into real-life practice.

Trainee Test Certificates

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Test Case 1 Certificate: User

GENERAL STATISTICS	
Total Attempts	2
Total Attempts Permitted	Unlimited
Total Possible Score	8
Average Result	3/8
Average Percentage	37.5%

ATTEMPT 2 (12/07/2010 13:23)	
Question	Score
TEST CASE 1 - Section 1 - Up to 10:04	
How/In/Up/Down/Classify this trace?	1/1
TEST CASE 1 - Section 2 - Up to 10:40	
How would you classify the trace now?	0/1
TEST CASE 1 - Section 3 - Up to 12:40	
The trace shows a prolonged deceleration at 12:40. What action would be appropriate?	0/1
TEST CASE 1 - Section 4 - Up to 15:09	
Please observe the trace from 12:30 onwards, when the Cloxylin was recommended. Examine the segment from 14:50 - 15:09 and indicate the correct action.	1/1
TEST CASE 1 - Section 5 - Up to 16:28	

Download or print automatically created PDF certificates to demonstrate successful practice sessions and test scores. These can be kept as part of a personal portfolio.