Essentials of Fetal Monitoring

2.0

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Essentials of Fetal Monitoring Curriculum



- The Essentials of Fetal
 Monitoring program was
 developed to both introduce
 and reinforce the essentials of
 fetal heart rate monitoring
 interpretation using NICHD
 nomenclature
- The Essentials of Fetal
 Monitoring program is also
 ideal to supplement
 professional education in
 preparation for EFM certificate testing, annual
 mandatory training, and is
 eligible for 20 CNE Contact
 Hours (100% EFM, 25% R_x)
 and 20 CME Credits

Learning Outcomes

Upon completion the learner will be able to:

- Identify factors that place the fetus at risk.
- Discuss normal perinatal physiology.
- Select appropriate fetal heart rate (FHR) monitoring methods.
- Define components of systemic assessment of FHR monitoring information.
- Define normal and abnormal uterine activity.
- List factors affecting FHR monitoring interpretation.
- Identify physiologic interventions based on FHR interpretation.
- Describe communication and documentation responsibilities.
- Analyze FHR information, integrate, and apply knowledge using a systematic approach in actual cases.
- Successfully complete the post test with a score of 80% of higher.

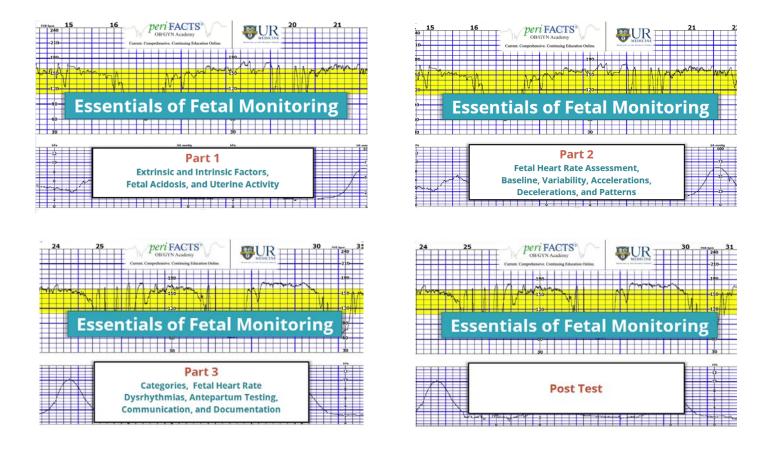
Post Test: After completing the Essentials of Fetal Monitoring program, the learner can complete the post test, which includes 12 clinical case studies each with fetal heart rate tracings for interpretation.

Program Overview

The program will discuss the following topics:

- The Goal of Fetal Heart Rate Monitoring
- Extrinsic and Intrinsic Factors and their Impact on the Fetal Heart Rate, including:
 - Maternal Factors
 - Placenta
 - Amniotic Fluid
 - Umbilical Cord
 - Hematologic Adaptations
- Fetal Circulation Intrinsic Factors
- Fetal Acidosis and Umbilical Cord Gas Assessment
- Uterine Activity Assessment including Leopold Maneuvers and Contraction Assessment
- Electronic Fetal Monitoring and FHR Assessment
- Fetal Heart Rate Baseline, Variability, and Decelerations
- Fetal Heart Rate Sinusoidal and Sinusoidal-Like Patterns
- Categories and Dysrhythmias
- Antepartum Testing
- Fetal Monitoring in the Complex Patient, including:
 - Infection
 - Obesity
 - Multiple Gestation
 - Prematurity
 - Fetal Anomalies
 - Medically Compromised Mothers
- Intrapartum Assessment
- Team Communication and Documentation

Four Parts



- Part 1: Extrinsic and Intrinsic Factors, Fetal Acidosis, and Uterine Activity
- Part 2: Fetal Heart Rate Assessment, Baseline, Variability, Accelerations, Decelerations, and Patterns
- Part 3: Categories, FHR Dysrhythmias, Antepartum Testing, Communication, and Documentation
- Post Test

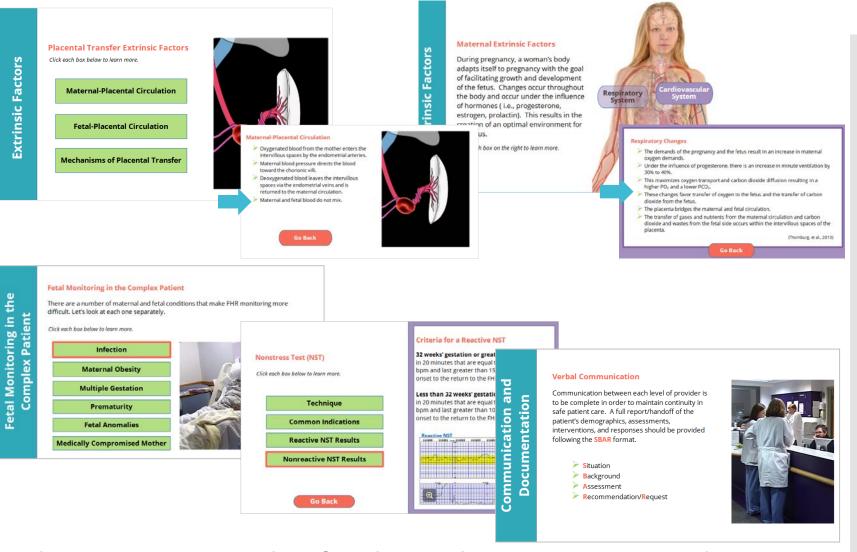
Videos



• The program includes embedded high-definition videos for further topic discussion and reinforcement

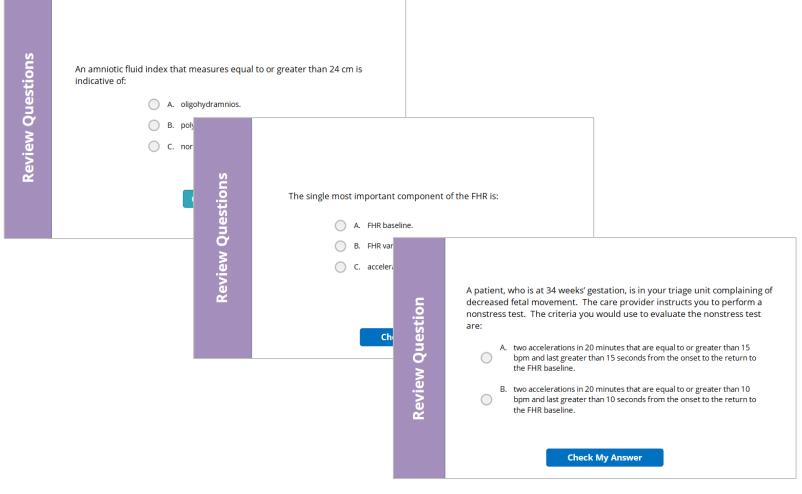


Tools



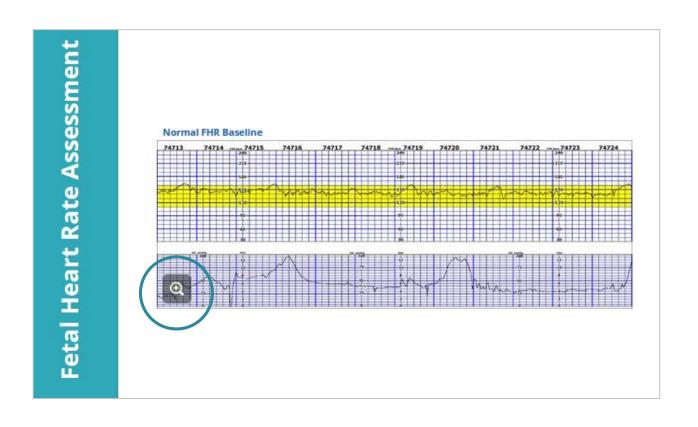
• The program contains helpful tables and interactive learning objects incorporated to reinforce the topics as the program progresses

Review Questions



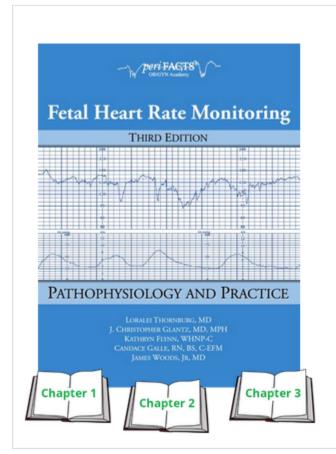
 The review questions provide the learner with the opportunity to further reinforce the education while preparing the participant for the final Post Test

Review Tracings



• Fetal heart rate strip interpretation is incorporated throughout the program, is presented in American-scale, and provides the learner with the ability to zoom

Further Review Access



Further Review

For further information regarding extrinsic factors, review our textbook, *Fetal Heart Rate Monitoring: Pathophysiology and Practice,* or click on the chapter icons on the lower left to view our textbook.

- Each part includes free access to the periFACTS® Fetal Heart Rate Monitoring textbook for further topic review and reinforcement
- \$59 value!

Keyword Review

Keywords for Understanding Acidosis

Acidosis: Increase in hydrogen ions in the tissue.

Acidemia: Increase in hydrogen ions in the blood.

Hypoxia: Decrease in oxygen content in the tissue.

Hypoxemia: Decrease in oxygen content in the blood.

Metabolic Acidosis (pure): Usually normal PCO₂, decrease in HCO₃, more negative base excess.

Respiratory Acidosis (pure): Increase in PCO₂, HCO₃, acutely elevated but would normalize over time if chronic.

Mixed Acidosis: Increase in PCO₃ decrease in HCO₃ more negative base excess.

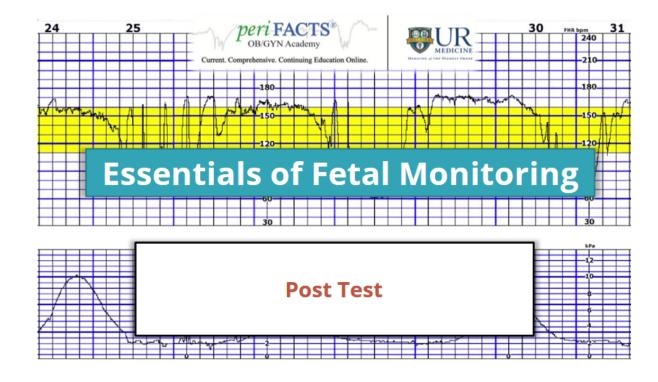


Remember: A reactive FHR tracing for a fetus is defined as:

- 32 weeks' gestation or greater: Two accelerations in 20 minutes that are equal to or greater than 15 bpm and lasting greater than 15 seconds from the onset to the return to the FHR baseline.
- Less than 32 weeks' gestation: Two accelerations in 20 minutes that are equal to or greater than 10 bpm and lasting greater than 10 seconds from the onset to the return to the FHR baseline.

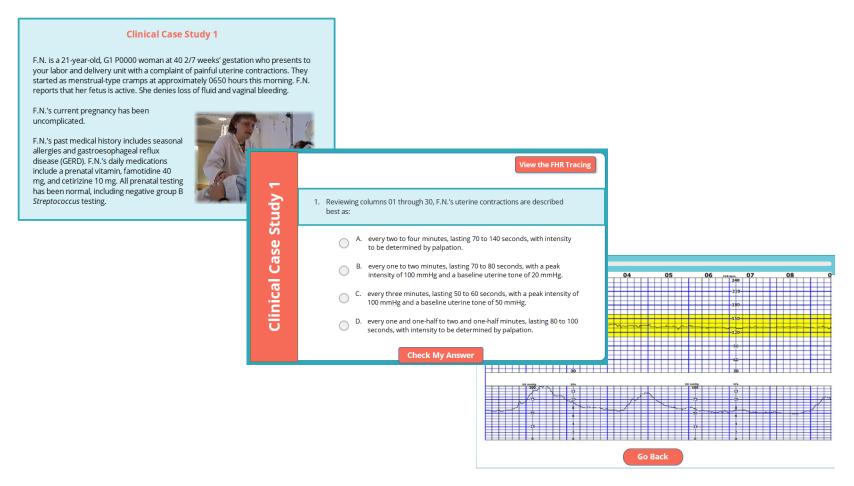
 Key terminology is reviewed throughout the program for continued topic reinforcement

Post Test



• After successful completion of Parts 1-3, the participant can start the Post Test

Post Test: Clinical Case Example

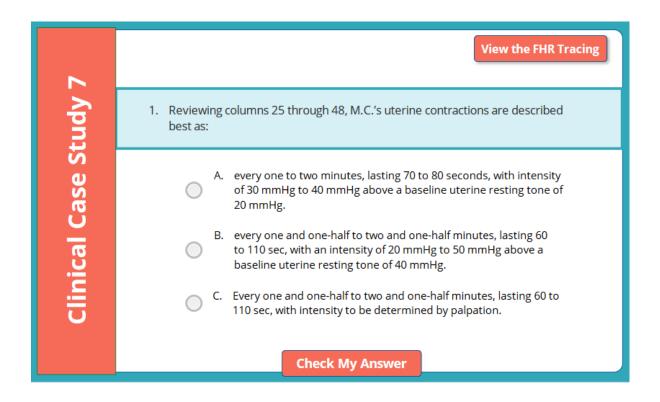


• The Post Test includes 12 clinical case studies, each with individual FHR tracings for interpretation and corresponding test questions

Post Test: FHR Tracing Example

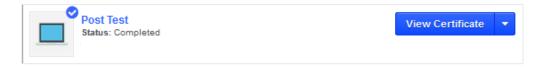


Post Test: Question Example



 Each clinical case and FHR tracing in the post test includes test questions that reinforce the essentials of fetal monitoring while incorporating critical thinking and FHR interpretation for the learner

Certificate of Completion





- Immediately upon successful completion of the post test with a score of 80% or higher, the learner will be provided with a certificate of completion
- 20 Contact Hours (100% EFM, 25% Pharmacology) and 20 CME Credits are available

Questions?

Contact us!

- periFACTS® OB/GYN Academy
- perifacts@urmc.rochester.edu
- 1-800-285-2366 (toll-free)
- 585-273-1975 (direct)







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