Presented by

Jeffrey S. Fouche-Camargo, DNP, APRN, RNC-OB, WHNP-BC, C-EFM

Jeffrey Fouche-Camargo is an advanced practice registered nurse and a perinatal practice specialist at Gwinnett Women’s Pavilion in Lawrenceville, GA, as well as the president of Perinatal Nurse Consulting of Georgia. Jeffrey graduated cum laude from the Medical College of Georgia with a BSN in 1994. He obtained his MSN from Georgia State University in 2003, with a dual-specialization in perinatal nursing and women’s health nurse practitioner and earned his Doctor of Nursing Practice (DNP) degree at Georgia Regents University in 2014. He has been employed with Gwinnet Women’s Pavilion since 1999 and speaks nationally on topics such as fetal heart monitoring, obstetric emergency and critical care and the Inpatient Obstetric Nursing Exam Review. He is board-certified as a women’s health nurse practitioner, certified in inpatient obstetric nursing and holds a certificate of added qualification in electronic fetal monitoring from the National Certification Corporation.

Jeffrey was selected as the Advanced Practice Nurse of the Year by the March of Dimes in 2010. He is very active in AWHONN, including being selected as an Emerging Leader for 2011 and Georgia Section Chair for 2015-2017. He has also served on three annual program committees for AWHONN, including as the national co-chair for 2015. He is a member of Sigma Theta Tau International, having previously served as the president of the Epsilon Alpha chapter.

6.5 Contact Hours | Course Length: 370 minutes

Program Description

This course will review the test content outline and associated competencies to prepare for the National Certification Corporation (NCC) subspecialty examination in electronic fetal monitoring (EFM). Content will include fetal heart monitoring (FHM) pattern recognition and interpretation using definitions of the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD); review of the physiology of maternal-fetal oxygenation and other factors impacting on the neuromodulation of fetal heart rate, complications of labor and the potential effects on FHM data; review interventions and management targeted to the physiology of any patterns. Content will be applied in the context of case studies. Adjunct fetal assessment, legal aspects of FHM and equipment troubleshooting will be reviewed.

Program Learning Outcomes

This program prepares the learner to:

1. Apply NICHD terminology to recognition of fetal heart rate patterns, interpretation and assessment.
2. Discuss factors affecting fetal oxygenation, including fetal heart rate regulation, maternal and fetal physiology, complications of pregnancy and labor, drug effects and dysrhythmias.
3. Review appropriate nursing interventions and actions targeted to the physiology of the FHM patterns.
4. Discuss adjunct fetal assessment, including fetal acid base interpretation and the biophysical profile.
5. Incorporate knowledge of legal responsibilities and liabilities related to FHM data into a plan of care.
Topics Covered

1 About the Test, Test-Taking Skills and Equipment Overview and Patient Education 60 minutes

Module Description
This module will introduce participants to the National Certification Corporation (NCC) subspecialty exam in electronic fetal monitoring (EFM). General test-taking skills will also be reviewed. In addition, this module will provide participants with an overview of equipment used in fetal heart rate monitoring, including troubleshooting and patient education.

Module Learning Outcomes
This module prepares the learner to:
1. Describe the format and qualifications for the NCC subspecialty exam in EFM.
2. List general test-taking skills.
3. Describe the various equipment used in fetal heart-rate monitoring.
4. Describe troubleshooting techniques for EFM equipment.
5. Develop plans for patient education related to EFM equipment.

2 Physiology of Fetal Oxygenation: Intrinsic and Extrinsic Factors 37 minutes

Module Description
This module will explore intrinsic factors, within the fetus itself, involved in fetal oxygenation. An overview of fetal oxygenation physiology will be provided. This module will also explore extrinsic factors outside the fetus that are involved in fetal oxygenation.

Module Learning Outcomes
This module prepares the learner to:
1. Describe the heart rate control mechanisms intrinsic to the fetus.
2. Describe the differences between baroreceptors and chemoreceptors.
3. Describe the heart rate control mechanisms extrinsic to the fetus.
4. Describe the oxygen pathway and the fetal response to disruptions in the pathway.

3 Pattern Recognition, Interpretation and Intervention 102 minutes

Module Description
This session will review the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) terminology of electronic fetal monitoring (EFM) patterns as well as physiological goals and interventions. An in-depth review of the underlying physiology of deceleration patterns is also provided.

Module Learning Outcomes
This module prepares the learner to:
• Identify EFM patterns using NICHD terminology.
• Describe the physiology of various EFM patterns.
• Identify physiological goals and interventions for Category II and III tracings.

4 Dysrhythmias and Variant Patterns 40 minutes

Module Description
This session will review basic cardiac electrophysiology and the pathophysiology of dysrhythmias seen during electronic fetal monitoring (EFM).

Module Learning Outcomes
This module prepares the learner to:
1. Describe characteristics of fetal dysrhythmias seen on EFM tracings.
2. Describe the pathophysiology of various fetal dysrhythmias.

(continued)
5 Complication of Pregnancy and Birth  46 minutes

Module Description
This session will review common complications of pregnancy and birth and how they manifest in electronic fetal monitoring (EFM) tracings.

Module Learning Outcomes
This module prepares the learner to:
1. Describe EFM changes related to fetal prematurity and postmaturity.
2. Describe EFM changes related to maternal hypertension and diabetes.

6 Adjunct Fetal Assessment  54 minutes

Module Description
This session will review adjunct methods of fetal assessment, with particular focus on antepartum fetal testing.

Module Learning Outcomes
This module prepares the learner to:
1. Describe various antepartum fetal testing methods and their interpretation.
2. Describe the physiological basis for various adjunct fetal assessment methods.

7 Legal Aspects of Fetal Monitoring and Chain of Command  31 minutes

Module Description
This session will discuss legal aspects of fetal monitoring, including liability and chain of command.

Module Learning Outcomes
This module prepares the learner to:
1. Define liability and describe its components.
2. Define chain of command as it relates to electronic fetal monitoring (EFM) and the nurse’s role in limiting liability arising from EFM interpretation and management.
Accreditation

RN/LPN/LVN/Other: 6.5 Contact Hours

MED-ED, Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation (ANCC).

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: Florida/FBN 50-1286, Iowa/296, California #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

© 2018 MED-ED, Inc. All rights reserved.