

GE Healthcare

Electronic fetal heart rate monitoring interpretation and management education program

Reducing risk through enhanced communication



Common language. Consistent interpretation.

Developed more than 30 years ago, electronic fetal heart rate (FHR) monitoring is used in more than 85 percent of all births in the United States.

Until recently, there hasn't been an agreement on standard definitions and nomenclature for describing and communicating FHR patterns. The lack of a common language has contributed to inconsistent interpretation and management, which can jeopardize patient safety and lead to increased litigation and higher malpractice premiums.

The Electronic Fetal Heart Rate Monitoring Interpretation and Management Education Program emphasizes the importance of accurate, consistent communication and interpretation of FHR patterns. This Web-based education course promotes the use of a standardized FHR terminology, helping minimize miscommunication between healthcare providers while improving patient outcomes.

Fits busy schedules. Anytime. Anywhere.

Developed by nationally recognized fetal monitoring experts Frank Miller, M.D., FACOG and David Miller, M.D., FACOG, this highly interactive, Web-based program educates clinicians on standardizing the interpretation of FHR patterns using NICHD definitions.

Education at your fingertips. Whenever. Wherever.

GE's new and innovative "Healthcare Learning System" helps you manage your technology education initiatives. You can access Web-based education applications 24 hours a day, seven days a week. You also have the ability to store student records and certificates.

The program guides the participant through actual clinical case scenarios, reviewing and reinforcing NICHD definitions for visual interpretation of FHR patterns. Each course presents questions, followed by immediate feedback, detailed explanations, and references, along with medical illustrations and animations of key concepts.

"This program has managed to integrate the underlying physiology of FHR interpretation with appropriate use of the NICHD nomenclature, making it an excellent tool for education as well as review. As an EFM educator, I am always looking for innovative methods to reinforce training in fetal monitoring, and this interactive model is perfect."

Lisa A. Miller, CNM, JD
President, Perinatal Risk Management and Education Services
Chicago, IL

The electronic fetal heart rate monitoring interpretation and management program that delivers

Dr. Frank C. Miller and his son, Dr. David A. Miller, created this program based on their respected and highly requested presentation. Their principles and techniques carry through this program, combined with the power and flexibility of GE Healthcare's Learning Management System, providing Web-based documentation of continuing education and competency in the critical area of FHR monitoring.

- A self-assessment on FHR pattern recognition
- Thorough, systematic review of standardized NICHD terminology
- A post-test documenting the participant's knowledge of standardized FHR terminology and pattern recognition
- Real-world clinical case scenarios, reinforcing standardized FHR terminology and reviewing fetal and maternal pathophysiology and clinical management issues

Frank C. Miller, M.D.

Program Developer

Dr. Frank C. Miller is a Professor and former Chair of Obstetrics and Gynecology at the University of Kentucky College of Medicine in Lexington. Prior to this, Dr. Miller was a Professor and Chair of the Department of Obstetrics and Gynecology at the University of Arkansas for Medical Sciences in Little Rock, and Professor of Gynecology and Obstetrics at the University of Southern California. Dr. Miller is board-certified in obstetrics and gynecology and a maternal-fetal medicine subspecialist.

David A. Miller, M.D.

Program Developer

Dr. David A. Miller is the Associate Professor of Clinical Obstetrics, Gynecology and Pediatrics at the University of Southern California Keck School of Medicine and Children's Hospital Los Angeles. He is Director of the CHLA-USC Institute for Maternal Fetal Health, a multidisciplinary center for the study of fetal development and assessment. Dr. Miller is board-certified in obstetrics and gynecology and a maternal-fetal medicine subspecialist.

Education designed to meet your needs

This innovative and interactive program puts these critical recommendations into action, empowering you to:

- Support and promote a national standard for the visual interpretation of FHR patterns
- Enhance interdisciplinary communication
- Reduce errors in interpretation
- Speed time to therapy
- Improve patient safety and outcomes
- Enhance patient care
- Improve clinical efficiency
- Minimize risk
- Reduce malpractice costs

For more information, visit: www.gehealthcare.com/fhr
or call: 1-877-525-8195.

"I found this educational tool to be accurate, helpful, relevant and an enjoyable learning exercise that is well-conceived and executed – you will find it useful for initial teaching and very helpful as a tool for recurring study."

James M. Martin, Jr., M.D.
Professor and Director of OB-MFM at
University of Mississippi's Wiser Hospital
for Women and Infants



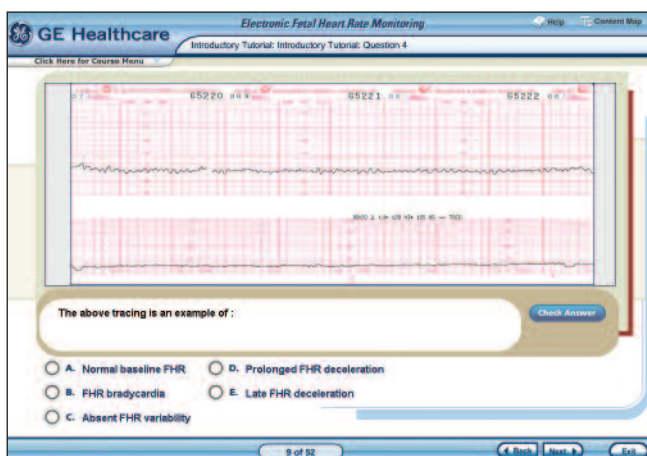
Standardized terminology improves communication and outcomes

In July 2004, the Joint Commission (Formerly The Joint Commission on Accreditation of Healthcare Organizations, JCAHO) identified poor communication of abnormal fetal heart rate patterns as the most common cause of adverse perinatal outcome.* The Joint Commission recommended developing clear FHR monitoring guidelines and using standardized terminology to communicate and interpret abnormal FHR findings.

The Electronic Fetal Heart Rate Monitoring Interpretation and Management Education Program reinforces the standardized FHR monitoring definitions proposed by the National Institute of Child Health and Human Development (NICHD) in 1997. These definitions were endorsed by The American College of Obstetricians and Gynecologists (ACOG) in Practice Bulletin Number 62 and 70, entitled "Intrapartum Fetal Heart Rate Monitoring." Standardized NICHD terminology is also used exclusively in the fetal monitoring education programs of the Association of Women's Health, Obstetric and Neonatal Nurses (AWHONN).

"Congratulations to the creators of the FHR program! The program, adhering to widely disseminated reference sources, offers caregivers the potential to increase the consistency of their visual interpretation and management of fetal heart rate monitoring patterns. It also holds significant potential for hospitals – to improve communication and patient safety. For those interested in pursuing 'competency testing,' the program should be a potential tool. While there can never be universal acceptance of any clinical program, the creators have gone the extra mile and made a real effort to solicit independent critique and suggestions from recognized peer-review clinicians with a long-term interest in continuous FHR and related issues."

Richard Depp, M.D., FACOG
Professor, Department of Obstetrics and Gynecology
Drexel University



Screen capture of the Electronic Fetal Heart Rate Monitoring Interpretation and Management Education Program.

* (Sentinel Event Alert, Issue Number 30).

Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care “Early Health.” The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

GE Healthcare
9900 Innovation Drive
Wauwatosa, WI 53226
U.S.A.

www.gehealthcare.com



imagination at work