

Covenant School of Nursing
Instructional Module 6 Learning Guide
Topic: Electronic Fetal Monitoring

Learning Goals/Outcomes

Upon completion of this lesson, you will be able to:

- Define key terms used in electronic fetal heart monitoring (EFM)
- Discuss the physiology principles of fetal heart rate (FHR) and uterine activity (UA)
- Discuss the advantages and limitations of each method of fetal monitoring
- Discuss the components of fetal heart rate (FHR) patterns essential to interpretation of fetal monitor strips
- Describe the specific components and intervention for the three FHR categories

Pre-Class Preparation

Required:

- Foundations of Maternal Newborn and Women's Health Nursing (7th ed.)
Chapter 14: Intrapartum Fetal Surveillance pgs.347-371
- HESI Comprehensive Review for the NCLEX-RN Examination (6th Ed.)
Ch. 6 Electronic Fetal Monitoring pp 253-258
- HESI Clinical Skills: Skills for Nursing Collection-Maternal Newborn Collection - review and complete clinical skills test
Fetal Heart Rate: Interpretation

Additional Resources:

- HESI Clinical Skills: Skills for Nursing Collection-Maternal Newborn Collection – review and complete skills test
Fetal Heart Rate: Assessment via Intermittent Auscultation and Electronic Monitor
External Fetal Monitor Application
Fetal Spiral Electrode Application
Uterine Contraction: External Monitoring
Uterine Contraction: Manual Palpation
- Review Fetal Heart Monitoring website - NCC Electronic Fetal Monitoring
<https://ncc-efm.org/game/efmgame.cfm>
NCC- NICHD Definitions and Classification: Application to Electronic Fetal Monitoring Interpretation - <https://ncc-efm.org/filz/2016%20NCC%20Monograph%20Free%20Version.pdf>
- Center for Experiential Learning - Review Basic Pattern Recognition under the EFM Basic section
<http://ob-efm.com/2459.htm>

Learning Activities

Classroom Activities:

- Lecture
- Discussion
- Fetal Heart Monitor Strip Review

Laboratory/Clinical Activities:

- OB Simulation – Fetal Heart Monitoring
- Clinical & Community Rotations

Out of Class/Computer Assisted Activities:

- HESI Clinical Skills: Skills for Nursing Collection-Maternal Newborn Collection Fetal Heart Rate: Assessment via Intermittent Auscultation and Electronic Monitor - review and complete test
Fetal Heart Rate: Interpretation

Evaluation Methods

- HESI Clinical Skills Test
- HESI Proctored Exam
- Clinical Performance Evaluation
- Unit 2 Exam

Texas DEC's	QSEN Competencies
<ul style="list-style-type: none"> • Member of the profession • Knowledge • Provider of patient centered care • Member of the Healthcare Team • Patient safety advocate • Clinical Judgement and behaviors 	<ul style="list-style-type: none"> • Patient Centered Care, • Teamwork & Collaboration • Evidence Based Practice • Safety • Informatics
IM Student Learning Outcomes	NCLEX Test Plan
<ul style="list-style-type: none"> • Assessment & Intervention • Communication • Critical Thinking • Human Caring & Relationship • Management • Leadership • Teaching • Knowledge Integrations 	<ul style="list-style-type: none"> • Safe & Effective Care Environment • Health Promotion & Maintenance • Psychosocial Integrity • Physiological Integrity
Concepts	Faculty
<ul style="list-style-type: none"> • Clinical Judgment, • Communication • Patient Education • Teamwork & Collaboration • Ethics & Legal Precepts • Evidence-Based Practice • Health Information Technology • Patient-Centered Care • Safety • Comfort • Gas Exchange • Nutrition • Perfusion • Coping • Human Development 	<p>Donna Neel, MSN, RNC-OB, C-EFM, CA/CP SANE, AFN-BC, SANE A</p>
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Instructional Module 6 Learning Guide

Topic: Antepartum Assessment/Testing