

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 underlying fetal heart rate (FHR) and uterine activity (UA) assessment
- Discuss the advantages and limitations of each method of fetal monitoring, auscultation/palpation and electronic fetal monitoring (EFM)
- Discuss the components of fetal heart rate (FHR) patterns essential to interpretation of fetal monitor strips
- Identify specific components of the three FHR categories
- Describe the clinical interventions performed for normal, indeterminate and abnormal FHR patterns

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 (3:16) - review and complete test
Fetal Heart Rate: Interpretation

Evaluation Methods

<ul style="list-style-type: none"> • HESI Clinical Skills Test • HESI Proctored Exam • Clinical Performance Evaluation • Unit 2 Exam 	
Texas DECs	QSEN Competencies
<p>Knowledge IA1c, 2, 3, IB 1a-e, 2 a & b, 3, 7a-c & 8, IC 3, ID1, 3, & 4, IIA 1a, 2a & b, 3, IIB 1, 2, 3, 4, 6, 7, 8, 9, 10, &11, IIC 3, 4a & b, 5, 6, 7, IID 1a-d, 3a, & b, 4a-c, 5a & b, IIE 1a, b, 3a & b, 4a, 5, 6, 9,11a-c,12,13, IIF 2, IIH 2b, III A 2, 3, 4, IIIB IVA 4a & b, 5a & b, IVB 2a & b, IVC 4a, IVD 1, 3a & b, 4, IVF 3</p> <p>Clinical Judgment IA 1, 2, 3b, IB 2a-c, 4a-c, 5a & c, 6a-c, 7, IC 5, 6a IIA 1, 2a & b, 3, & 4, IIB. 2, 3a & b, 4, 5, 6, 7, 8, IIC 1, 2, 3a, 4, 7, IID. 1, 2 a-d, 3a-c, 4, IIE. 5a & b, 6a-c, 8, 10, 12a & b, IIF. 1a-c, 3 a & b, 4, 5a- c, 6, IIG1, 2a & b, 3 , 4, 5a & b, 6, 7, IIH.3, a & b, 6 IIIA. 4, 6b, 1a & b, 2, IIIB 3a, IVA 1, 2a & b, 3, IVB 1a & b, 3a-c, IVC 2 a, 3a & b, IVD 1 a-c, 3a & b, 4, 5, 6a & b, 7, IVE 1c, IVF 1a-c</p>	<p>Patient Centered Care, Teamwork & Collaboration, Evidence Based Practice, Safety, Informatics</p>
IM Student Learning Outcomes	NCLEX Test Plan
1/2/3/4/5/6/7/8	Safe & Effective Care Environment, Health Promotion & Maintenance, Psychosocial Integrity, Physiological Integrity
Concepts	Faculty
<p>Clinical Judgment, Communication, Health Promotion, Patient Education, Teamwork & Collaboration, Ethics & Legal Precepts, Evidence-Based Practice, Health Information Technology, Patient-Centered Care, Safety, Comfort, Gas Exchange, Nutrition, Perfusion, Reproduction, Coping, Human Development</p>	<p>Donna Neel, MSN, RNC-OB, C-EFM, CA/CP SANE, AFN-BC, SANE A</p>
Date originated: 6/29/15	Revision Dates: 11/15/15, 5/12/16, 12/1/16, 7/14/17, 11/27/17, 5/4/18, 6/27/18, 12/4/18, 6/27/19, 12/11/19

Instructional Module 6 Learning Guide

Topic: Antepartum Assessment/Testing