

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
- Describe the cause for the four most common fetal heart rate (FHR) patterns
- Describe the three FHR categories and intervention for each

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://www.nccwebsite.org/content/documents/cms/2021_ncc_monographfinal_3-16-21.pdf see page 2 of document for NICHD terminology and definitions
 - Center for Experiential Learning - Review Basic Pattern Recognition under the EFM Basic section <https://ob-efm.com/> - Assessments tab on right has FHM practice quizzes 1-5 & 6-10
 - Electronic Fetal Heart Monitoring Trivia Quiz Questions!
<https://www.proprofs.com/quiz-school/quizshow.php?title=intermediate-electronic-fetal-heart-monitoring&q=1>

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 DECs	QSEN Competencies
Knowledge IA1c, 2, 3, 4, IB1a-e, 2a-b, 3, 4, 7a-c, IC 1,2, 3, 5a, ID 1, 3, & 4, IIA 1a, 2a-c, 3, 4, IIB 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, &11, IIC 1a-b, 3 4a-b, 5, 6, IID 1a-e, 2, 3a-b, 4a-c, 5a-b, IIE1a-b, 2, 3a-b, 4a-b, 5, 6a, 7, 8, 9, 10,11a-b,12,13, IIF 2, III A 1, 2, 3, 4, IIIB 1a-c, 2 IIID 1a-c IVA1a-b, 2, 4a-b, 5a, IVB1a-b, 2a-b, IVC 4a, IVD1a-b Clinical Judgment IA 1, 2, 3a-b, IB 2a-c, 3 a-c, 4a-c, 5a-c, 6a-c, 7, 8, 9,10 IC 1, 2, 3b, 4, 5, 6a, ID 1, 2a-b, 3, 4, IIA 1, 2a-b, 3, & 4, IIB. 2, 3a-b, 4, 5, 6, 7, 8, IIC 1, 2, 3a, 4, 5, IID. 1, 2 a-d, 3b, IIE1, 3 a-b, 5a-b, 6a-d, 7a-b, 8, 9, 10,12a-b, IIF1a-c, 3 a-b, 4, 5a-c, 6, IIG1, 2a-b, 3, 4, 6, 7, IIH 6 IIIA3, 4, IIIB 1, 3a, 5, 9 IVA1, 2a-b, 3, IVB 1a-b, 2, 3a-b, IVC 2a-b, 3a-b, IVD 3a-b, 4,	Patient Centered Care, Teamwork & Collaboration, Evidence Based Practice, Safety, Informatics
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
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	Donna Neel, MSN, RNC-OB, C-EFM, CA/CP SANE, AFN-BC, SANE A
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, 5/25/21, 1/19/22 7/30/22, 1/18/23