Knowledge · Innovation

The K2 Perinatal Training Program – learn, practice, assess & remediate

Fetal Physiological Responses to Labor



A foundation in maternal-fetal physiology is established. The learner discovers how the stresses

- balance. Topics include: Normal Physiology
- Aerobic Metabolism
- Fetal Adaptations to Hypoxia

of labor impact the fetal acid base

- CO2 Elimination
- · Anaerobic Metabolism
- Respiratory Acidemia
- Metabolic Acidemia · Cord blood sampling
- Cord blood gas analysis
- Neonatal Outcomes
- 4 hours

Intrapartum Fetal Monitoring



Learn to identify and communicate the

features of the fetal heart rate tracing

possible interventions. Content teaches

and understand their significance

relative to fetal status along with

and reinforces NICHD standardized

terminology. Topics include:

· Purpose of Fetal Monitoring

Errors & Limitations in Fetal Monitoring



An in-depth review of the limitations

the errors that may result, and how to

of fetal monitoring technology and

recognize and guard against these

errors. Topics include: Fetal Heart

Activity Monitoring and Dual Heart

Fetal Scalp Electrodes, Uterine

Rate Monitoring. 1 hour

Rate Detection using Ultrasound and

Antepartum Non-Stress Testing



The purpose of an NST and

when it is indicated. Review

the proper procedure for

an NST. Identify FHR

accelerations, their

physiology and their

significance in a tracing.

non-reactive pattern.

Recognize reactive & non-

reactive patterns, and their

significance. Responses to a

Simulation to Practice Skills with Case Reviews - Intermediate &



Real world labor cases are presented in an interactive, lifelike format for the user to practice their interpretation skills and documentation of NICHD categories. Various risk factors and patterns are presented. Periodic expert feedback to the user's responses provides rationales for knowledge reinforcement with respect to physiology, tracing interpretation

and labor management.

Assessment & Remediation



Tests and maintains knowledge by presenting a random selection of questions for a chosen topic. At the end of the guizzes, results are given, with a remediation plan to improve knowledge using the program's broad resources.

Simulation - Fetal Heart Monitoring Case Assessment & Testing (Intermediate & Advanced)



Interactive case reviews mimic what happens at bedside with tracings that progress over time simulating realworld care. The user applies their knowledge of maternal-fetal physiology, tracing interpretation and labor interventions in the analysis of case studies. Communication using NICHD terminology is promoted. Learning is reinforced with feedback and rationales, as well as scoring compared to expert reviewers. A valuable tool for the purpose of annual competency validation. 3 hours each

· A Systematic Approach • Definition & Identification of FHR

- baseline, accelerations, variability, decelerations
- Contraction patterns
- · Abnormal FHR patterns
- Risk factors & precipitating events
- · Clinical interventions
- 4 hours

Physiology

High risk, low incidence OB emergencies require regular training

Cord Uterine **Hypertensive Disorders Shoulder Dystocia Antepartum Postpartum** Presentation/Prolaps Rupture/Inversion Hemorrhage Hemorrhage of Pregnancy

- Describe Shoulder Dystocia
- Potential maternal complications of shoulder dystocia
- Potential complications that the neonate may experience after a Shoulder Dystocia
- Maneuvers used to Free the Fetal Shoulders
- Postpartum Care requirements for mother and baby after a shoulder dystocia 1 hour
- Risk factors of Antepartum Hemorrhage
- Main Causes of APH placenta previa, placental abruption and vasa previa. The principles of APH
- management 1 hour
- Risk factors of PPH
- Main Causes of PPH
- Emergent management of the woman experiencing PPH
- Quantified blood loss evaluation · Active Management of third
- stage of labor 1 hour

Assessment Tool and Remediation for each chapter is recommended on a periodic basis.

- · Risk factors for uterine rupture
- Identify the signs and symptoms of uterine
- rupture effective management of uterine rupture
- risk factors associated with uterine inversion
- initial management and complications of uterine inversion 0.5 hour

- Differentiate between cord presentation & prolapse
- management of a cord presentation in labor
- Recognize cord prolapse management of a cord
- prolapse 0.5 hour
- - associated risk factors • Discuss the effects on maternal & fetal systems
 - Symptoms respective of organ system involvement

Define hypertensive

disorders and their

- Lab values, medication regimens, fetal surveillance and timing of delivery
- · management of eclampsia
- Postpartum hypertension
- · consistent patient education 1 hour

This continuing nursing education activity was approved by the Northeast Multistate Division (NE-MSD), an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Why use the K2 Perinatal Training Program?

K2 Medical Systems is a world leader in online perinatal education. Our unique teaching methodology has been proven effective. The online education platform provides ongoing education in fetal monitoring and OB emergencies. Interactive education modules deliver core knowledge in antepartum, intrapartum, and postpartum maternity care. Simulation and real-world case reviews develop clinical skills. Assessment and remediation tools validate knowledge. Reporting facilities prove training compliance.

What are the benefits of this training?

- Online training is self-paced, an enduring activity/reference, and proven effective
- Easy to implement
- Does not require travel and staff scheduling provisions to attend
- More economical than other alternatives

What can I expect?

- Easy access on the web 24/7 using interactive medical graphics for an engaging learning experience
- Training in Fetal Physiological Responses to Labor, Tracing Interpretation, Labor Management, Error Reduction, and Non-Stress Testing with over 100 clinical sources
- Supports and reinforces the use of standardized NICHD terminology
- Knowledge Assessment to measure effectiveness and provide remediation
- Certificates of Completion with CNE contact hours
- Customizable Learning Plans
- Ongoing training with Labor Simulation to Practice Skills using real world cases in an interactive strip review format (new case reviews provided every 6 months)
- Real-time User Progress reporting to drive training compliance, and prove compliance
- Topics on OB Emergencies including Shoulder Dystocia, Antepartum Hemorrhage, Postpartum Hemorrhage, Uterine Rupture/Inversion, Cord Presentation/Prolapse, Hypertensive Disorders of Pregnancy
- Affordable site and individual licensing options

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The Perinatal Training Program by K2 Medical Systems

Fetal Monitoring Track (10 CNE contact hours)

- Fetal Physiological Responses to Labor
- Intrapartum Fetal Monitoring
- Training Simulator (with 5 case reviews every 6 months for practicing interpretation)
- Assessment Tool
- Errors & Limitations in Fetal Monitoring
- Non-Stress Testing

Advanced Training Simulation (for tracing interpretation, knowledge review, and assessment – 6 CNE contact hours total)

- Fetal Heart Monitoring Case Assessment and Testing (FHMCAT) (3 CNE contact hours)
- Fetal Heart Monitoring Case Assessment and Testing, Advanced Level (3 CNE contact hours)

Maternity Crisis Management Track (5 CNE contact hours total)

- Shoulder Dystocia (1.0 CNE contact hour)
- Antepartum Hemorrhage (1.0 CNE contact hour)
- Postpartum Hemorrhage (1.0 CNE contact hour)
- Uterine Rupture/Inversion (0.5 CNE contact hour)
- Cord Prolapse/Presentation (0.5 CNE contact hour)
- Hypertensive Disorders of Pregnancy (1.0 CNE contact hour)

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