

A Postpartum Medley – Issues Affecting the Postpartum Period

Content Outline

1. Physiology of Lactation
 - A. Functional anatomy of the breast
 - B. Processes of milk secretion
 - C. Cellular mechanisms and regulatory factors for milk synthesis
 - D. Milk production in the lactating woman
 - E. Oxytocin milk ejection and suckling
2. Stress Effects on Brain Adaptation to Motherhood
 - A. Neural adaptation to motherhood
 - B. Stress exposure effects on brain adaptation in motherhood
 - C. Neurobiological mechanisms by which stress impacts maternal brain adaptations
 - D. Mitigating the impact of stress exposure on the maternal brain
3. Blood Transfusion for Obstetric Hemorrhage
 - A. Risk factors
 - B. Definitions of massive hemorrhage
 - C. Acute management of active hemorrhage

Objectives

- Describe the physiology of lactation
- Explain the interface between stress and how it influences brain adaptations to motherhood
- Discuss the risks and management of obstetric hemorrhage and circumstances that lead to blood transfusion

Reading Material Resources

Module WB2437: A Postpartum Medley – Issues Affecting the Postpartum Period is based on the resources listed below. A copy of each resource is included with the module.

Chapter 24- Physiology of Lactation, Fetal & Neonatal Physiology, Polin, et al., Elsevier, 2022, 249-255

How stress can influence brain adaptations to motherhood, Kim, Pilyoung, Frontiers in Neuroendocrinology, Elsevier, 2021, 1-17

When and how should I transfuse during obstetric hemorrhage? Waters, et al., International Journal of Obstetric Anesthesia, Elsevier, 2021, 1-6