

Objectives

- Compare systemic and regional medications used for pain control in labor including their actions, side effects and implications for nursing care
- Contrast the actions, side effects, and nursing implications associated with the various drugs administered during the birthing process including those used to stimulate uterine contractility
- Outline the nursing care approaches recommended for administration of surfactant to preterm infants

Content Outline

1. Drugs Used For Pain Control During Labor Including Actions, Dosage, Routes, Adverse Effects & Contraindications
 - 1.1 Analgesics & sedatives with related nursing process
 - 1.1.1 Sedative-hypnotics
 - 1.1.2 Narcotic agonists
 - 1.1.3 Mixed narcotic agonists-antagonists
2. Anesthesia Used During Labor & Delivery Including Actions, Dosage, Routes, Adverse Effects & Contraindications
 - 2.1 Regional anesthesia including nursing process
 - 2.1.1 Perineal infiltration
 - 2.1.2 Paracervical
 - 2.1.3 Pudendal
 - 2.1.4 Caudal
 - 2.1.5 Spinal
 - 2.1.6 Epidural
 - 2.1.6.1 Single & intermittent doses
 - 2.1.6.2 Continuous infusion
 - 2.1.6.3 Patient controlled
 - 2.2 General anesthesia including nursing process
3. Drugs Used to Enhance Uterine Contractility Including Actions, Dosage, Routes, Adverse Effects & Contraindications
 - 3.1 Oxytocin
 - 3.2 Ergot alkaloids
 - 3.3 Nursing process related to oxytocin & ergot alkaloid use
4. Surfactant Therapy Including Actions, Dosage, Routes, Adverse Effects
 - 4.1 Indications & process for administration including nursing interventions
 - 4.2 FDA approved preparations for use in preterm infants
 - 4.2.1 Beractant
 - 4.2.2 Calfactant
 - 4.2.3 Poractant alfa

Reading Material Resources

This self assessment module is based on the resources listed below.

The reading materials are in the form of a PDF file and can be accessed from the online testing center once the module is purchased.

Chapter 53, Female Reproductive Cycle, Labor, Delivery and Preterm Neonatal Drugs, Pharmacology A Nursing Process Approach, Kee, et al., Saunders Elsevier, 2009, pages 830-855