

COURSE SYLLABUS

Neonatal Emergencies - 1

2526-3-I0102D905-I0102D920M-T1

Aims

Recognise the signs of emergency-urgency situations in the neonatal setting and understand their management and evolution.

Contents

Diagnostic and therapeutic care of the newborn in emergency-urgency conditions.

Detailed program

1. The STEN (Neonatal Emergency Transport Service).
2. The infant of extremely low gestational age and/or weight (ELGAN and/or ELBW)
3. Gastro-enteric pathology: gastrointestinal tract obstructions, necrotizing enterocolitis
4. Renal pathology: acute renal failure,
5. Neurological pathology: seizures and neonatal strokes
6. Neonatal cardiologic emergencies
7. Neonatal metabolic emergencies
8. Hemorrhagic, hypovolemic and septic shock
9. Respiratory pathology: apneas, respiratory distress syndrome, pneumonia, transient tachypnea, meconium aspiration air-leak syndromes, airway malformations,
10. Sudden Unexpected Postnatal Collapse (SUPC).
11. Neonatal resuscitation: feto-neonatal adaptation, neonatal asphyxia, cardiopulmonary resuscitation in salapartum (initial stages of resuscitation, airway suctioning, ventilation, external cardiac massage, tracheal intubation assistance), stabilization of the critical newborn.

12. Comfort Care

Prerequisites

None.

Teaching form

10 hours of in-person didactic delivery with presentation of real clinical cases.

2 hours of interactive in-presence didactics involving simulations and practical exercises.

Textbook and teaching resource

- PAIRMAN S., PINCOMBE J., THOROGOOD C., TRACY S. *Midwifery Preparation for Practice 5th Edition*, Churchill Livingstone - Elsevier, Marrikville, 2022.
- BILLINGTON MARY & STEVENSON MANDY, *Critical Care in Childbearing for Midwives*, Blackwell Publishing, 2007.
- Cloherty e Stark's "Manuale di Neonatologia" 8 a edizione, 2017, Delphino editore
- "Linee Guida Cure Perinatali", 8 a edizione, traduzione AAP, e ACOG 2019, Delphino editore
- GARY M. WEINER, *Manuale di rianimazione neonatale*, Antonio Delfino Editore, 2022.

Detailed information about the course materials will be posted on the e-learning page associated with the course

Semester

I semester.

Assessment method

Oral test on the topics included in the course programme.

Office hours

On appointment.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
