



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Neonatal Emergencies - 1

2526-3-I0102D905-I0102D920M-T1

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#### 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

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