UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Emergency

2324-6-H4102D039-H4102D187M

Aims

• Gain knowledge of fundamentals of methods of hemodynamic monitoring from non-invasive to invasive systems

• Provide general advice about the diagnosis and management of septic shock and related clinical scenarios in pregnancy

• Provide general advice about the emergency treatment of preeclampsia and eclampsia

• Understanding the pathophysiology of hemorrhagic shock and provide general advice about the treatment of obstetric hemorrhages and intrapartum emergencies

• Gain knowledge of fundamentals of neonatal and pediatric resuscitation, starting from basics of evaluation of vital parameters in neonatal and pediatric patient

Contents

The course will provide basic knowledge for the diagnosis, monitoring, and treatment of the principal emergency situations in pregnancy, newborn and pediatric patients. Starting from the pathophysiology of medical and surgical emergencies in pregnancy, newborn, and pediatric, the course will provide instruments for the recognition and basic treatments of lifethreatening conditions.

Detailed program

• Fundamentals of hemodynamic monitoring

• Septic shock in pregnancy
• Preeclampsia and Eclampsia: Emergency Treatment
• Management of obstetric haemorrhages
• Intrapartum Emergencies
• Principles of neonatal Resuscitation
• Principles of pediatric Resuscitation

Prerequisites

Fundamentals of cardiovascular and respiratory physiology and pathophysiology
Fundamentals of shock types and pathophysiology
Fundamentals of BLS-D and ACLS

Teaching form

Frontal lectures

Textbook and teaching resource

Will be defined during the course.

Semester

Assessment method

Office hours

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY