



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Using Ecmo in Emergency Department

2324-3-I0101D143

---

#### Aims

- KNOWLEDGE OF THE MAIN INDICATIONS FOR AN ECMO V-A SUPPORT
- IDENTIFICATION OF THE MAIN NURSING DIAGNOSIS, INTERVENTIONS AND OUTCOMES
- KNOWLEDGE OF THE "ECMO TEAM" ROLE

#### Contents

- INTRODUCTION TO THE COURSE: HISTORICAL BACKGROUND AND DEFINITIONS
- PHYSIOLOGY OF V-A ECMO CIRCUIT, CLINICAL INDICATIONS AND PATIENT SELECTION
- COMPLICATIONS
- NURSING FOR PATIENTS DURING ECMO V-A SUPPORT
- STARTUP, PROCEDURES AND TEAMWORK
- STATE OF ART, RESEARCH AND ETHICS

#### Detailed program

KNOWLEDGE OF THE MAIN INDICATIONS FOR THE POSITIONING OF AN ECMO V-A SUPPORT

- BASIC PHYSIOLOGY OF ECMO V-A, CLINICAL INDICATIONS, INCLUSION CRITERIA
- COMPLICATIONS
- TAKING IN CHARGE OF THE PERSON IN SUPPORT ECMO V-A

- ACTIVATION, PROTOCOLS AND TEAM WORK
- STATE OF THE ART AND RESEARCH, ETHICAL CONSIDERATIONS

### **Prerequisites**

Students must be enrolled in the third year of Master in Nursing Science

### **Teaching form**

- Lectures
- Guided discussion

VISIT TO THE INTENSIVE CARE UNIT (TICCH) OF S. GERARDO HOSPITAL (ASST-MONZA)

### **Textbook and teaching resource**

Didactic material provided by the teachers

### **Semester**

second semester

### **Assessment method**

frequency

### **Office hours**

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

---