



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### L'Utilizzo del Supporto Ecmo Veno-Arterioso nelle Emergenze- Urgenze Intra ed Extraospedaliere

2223-3-I0101D143

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#### 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

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