



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### L'Utilizzo del Supporto Ecmo Veno-arterioso nelle Emergenze-urgenze Intra ed Extraospedaliere

2021-3-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

From 9:00 to 11:00

- KNOWLEDGE OF THE MAIN INDICATIONS FOR THE POSITIONING OF A SUPPORT

From 11:00 to 13:00

- BASIC PHYSIOLOGY OF ECMO V-A, CLINICAL INDICATIONS, INCLUSION CRITERIA

From 13:00 to 14:00: Lunch Break

From 14.00 to 18.00

- THE CHARGE OF THE PERSON IN THE ECMO V-A SUPPORT
- ACTIVATION, PROTOCOLS AND TEAM WORK
- STATE OF THE ART AND RESEARCH, ETHICAL CONSIDERATIONS
- Plenary discussion
- Closing of the Course

## **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**

Educational resource

## **Semester**

second semester

## **Assessment method**

Frequency

## **Office hours**

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