

**Time**

Every day from Monday to Friday from 8.00 to 13.00, except first and last day, it will be from 8.00 to 12.00

**Place****Hospital Virtual**

Avda. Jacarandas, 2.  
Edificio CREA-Loft.  
46100 Burjassot  
Valencia

**Duration**

48 hours, 6 ECTS

**Dates**

Starting date: 24/07/2023  
Ending date: 06/08/2023

**Price**

1.400 € (A coffee break is included daily as well as other interesting cultural activities, subject to availability.)

**10 days on Site Lessons****COURSE****PRACTICAL COURSE OF MEDICAL SIMULATION IN HOSPITAL ENVIRONMENTS**

Certified by Catholic University of Valencia

**Presentation**

Intensive program where the student will go through all the simulation scenarios in the UCV Virtual Hospital, (initiation tour in simulation field). You will understand from the easiest to the most complex and advanced devices, and you will be trained in technical and non-technical skills in different clinical scenarios. This training is offered as follows:

- Technical skills: catheterization, monitoring of vital signs, difficult airway training, life support, asepsis tasks, auscultation, abdominal examination, sensorial examination, oxygen therapy, ultrasound, mechanical ventilation and obstetrics, among many others. All of them basic, medium and high level.
- Non-technical skills: clinical thinking, communication skills, role-playing games, etc.

**Goals**

This Simulation course, aimed at students in their last year of the Medicine Degree. Its main goal is to train the student as much as possible in the acquisition of technical and non-technical skills in clinical assistance.

The specific goals are:

- Development of those learning skills in health care assistance, with the highest autonomy and self-confidence.
- Identifying essential elements in the health-care field, including ethical and legal principles.
- Establishing a prognostic diagnosis and treatment under conditions of clinical safety.
- Identifying the most appropriate therapy in acute and chronic diseases.
- Communicating as effectively and clearly as possible.

**Aimed at**

Students of the Degree in Medicine in the last years of training.

## Program

- 1) **Physiology and Monitoring:** Taking of physiological constants: TA, Fc, Fr, Glycemia, T<sup>a</sup>, Sat O<sub>2</sub>, / ECG / Clinical simulation cases.
- 2) **Exploration: Pulmonary auscultation and Cardiac auscultation / Ultrasound Basic:** Buttoning and cutting plans / Clinical simulation cases.
- 3) **Respiratory System:** Oxygen therapy and Manual Ventilation: Supraglottic/ Clinical simulation cases. Non-Invasive Mechanical Ventilation / Invasive Mechanical Ventilation / Clinical simulation cases.
- 4) **Cardiovascular System:** Reading and Interpretation of the EKG. Electrical therapies of arrhythmias. Fluid therapy / Clinical simulation cases.
- 5) **Infectious:** EPI's / Asepsia and Sepsis / Clinical simulation cases.
- 6) **Techniques:** Intravenous and intraosseous punctures / Bandages / Probes. Sutures / Punctures Respiratory and Cardiac Systems. / Clinical cases. Ultrasound: Ultrasound and Eco-guided Punctures / Ultrasound Advanced in Woman & Man's patients / Clinical simulation cases.
- 7) **Gynecology and Obstetrics:** Gynecological and obstetric clinical exploration / Manual delivery with PROMPT/ Advanced Labor with / Clinical simulation cases.
- 8) **Pediatrics:** Clinical examination of full-term newborn and pediatric patients. The febrile child / Clinical simulation cases.
- 9) **Emergency:** Basic & Advanced CPR (European Resuscitation Council) / Clinical simulation cases. Initial traumatological adult and pediatric assistance / Neurological examination / Clinical simulation cases.
- 10) **Cross-sectional clinical cases :** Cross-sectional clinical cases of all treated areas.