

SHORT-TERM STUDY ABROAD

Advanced and Critical Life Support and Ultrasound

- **Campus/building.** Villafranca and Almagro
- **Type of course.** In-person
- **Duration.** 2 weeks



STUDIES
Short-Term
Study Abroad



LANGUAGE
English



DURATION
2 weeks



DATE
June-July



TYPE OF COURSE
In-person



HOURS
80 hours

After this course students will be able to identify and evaluate a patient's life signs, detect a deterioration in the clinical condition of the patient and establish initial support and maintenance measures until the arrival of the doctor. They will learn about administering doses, dilutions and modes of drug infusion and nutrition that will be vital for keeping patients alive.

This course is geared towards medical staff wishing to increase their skills and know-how in advanced critical life support, while introducing ultrasound diagnostic techniques. This course is also open to anyone interested in the subject.

Objectives

- Acquisition of specialised knowledge to improve the care in Advanced Life Support or critical areas.

Methodologies

The learning methodology will follow these phases:

- Masterclass by specialised professionals of the Madrid area regarding physiology.
- High definition simulation exercises; ultrasound, Megacode.
- Practical cases and group discussions.
- Practice in the management of the cases.

Overview

- 80-hour programme taught over two weeks.
- Complementary Spanish language classes taught by highly qualified native teachers.
- Active methodologies combining masterclasses, workshops and industry visits.
- Cultural activities and visits (museums, excursions to other cities, etc.).
- All class material costs and room + board (three meals a day) included in tuition.
- MediaLab workshops to document student progress via audiovisuals.
- A maximum of 14 students per class.
- Certificate awarded by University Camilo José Cela.

Accommodation

Students will live at UCJC's halls of residence located at the university's main campus in Villafranca, Madrid, Spain.

Accommodation included in price: Yes.

Dates

June/July (please enquire if you would like other dates).

Example:

- Date of arrival: 13 July 2021; Date of first class: 14 July 2021.
- Date of last class: 27 July 2021; Date of departure: 28 July 2021.

About us

UCJC is one of the youngest and fastest-growing universities in Spain and Europe. Founded in 2000, UCJC is part of SEK Education Group, whose proven track record in teaching excellence stretches back over 125 years. As a young university, UCJC is forward-looking and uniquely placed to bridge the gap between traditional and modern times, through a liberal arts and applied sciences approach to higher education.

The university has four different schools: Communications and Humanities, Education, Health and Technology and Science, offering a range of Spanish and European official undergraduate and graduate programmes.

Contents

Training in Life Support

Nursing professionals in hospitals have the greatest amount of contact with both patients and their family members. Therefore, nurses must be trained and able to detect certain signs and symptoms that at a given moment indicate the patient's life signs. And in this sense, the nurse will often be the first to start the stabilisation and life-saving measures in cases of cardiorespiratory arrest.

The following training itinerary is established:

- Basic life support plus AED.
- Immediate life support.
- Advanced life support.

Management and action in more common emergency situations

- Cardiovascular and respiratory emergencies.
- Neurological emergencies.
- Endocrine emergencies.
- Other emergency situations.

Given the possibility that a patient manifests an exacerbation and / or aggravation of their clinical situation, nursing professionals should be able, at first, to detect it early and then to establish initial support and maintenance measures until the arrival of the doctor and participate in the activities to reverse these types of situations.

Clinical pharmacology

The control, management and administration of the prescribed medication corresponds to the nursing staff and, therefore, they have the responsibility of knowing the routes of administration, doses, dilutions and modes of infusion of the drugs that they handle in each case. Knowing and training these premises well will avoid performance errors that often lead to fatal consequences.

Electrocardiography and ultrasound:

The technique of performing an electrocardiogram, also falls within the functions of nursing, along with taking vital signs.

Knowing the genesis, foundations and normal shape of an electrocardiogram and basic ultrasound will allow in most cases, early detection of certain rhythm disturbances and help in ER techniques that can avoid risks to the patient's life.

Serotherapy; enteral and parenteral nutrition

It is important to know the indications, benefits and objectives pursued by administering the different types of serums and infusions to patients based on their condition. Likewise we refer to nutrition devices and options, both enteral and parenteral.

MORE INFORMATION

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