

MANEJO INTEGRAL DE LA VÍA AÉREA MIVA



Specialized Medical Training Activity *2017*

Curso Avalado por



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Airway management in any of its forms is a challenge in the usual clinical practice of many medical specialists, from the emergency room to central medical services including out-of-hospital medical emergencies services.

Usually the training in Airway management is tangential in other courses (Advanced Life Support, Advanced Trauma Support or ATLS, ...) but usually there is not a specialized training and focused exclusively on the management of the Airway.

From this need and requested by many colleagues was born this teaching challenge, counting on a multidisciplinary team with extensive training and experience in the field, and being currently the only airway training activity accredited in Cadiz

The main characteristics of the course are:

- Multidisciplinary and specialized teaching team
- Accreditation by the Health Quality Agency of Andalusia (ACSA)
- Scientific Endorsement from European Airway Management Society (EAMS)
- Eminently practical with numerous skill stations
- Wide and varied clinical and real simulation material
- Equipment of latest technology (Videolarinx; Fiberoptic; ...)

OBJECTIVES

General

To train and or to recycle the emergency doctor in the approach of the airway in its different forms and techniques, thus improving the quality and safety of critical patient assistance in the field of hospital or out-of-hospital emergencies

Specific

- At the end of the course, the student will be able to identify critical patients who require some type of intervention on the airway.
- The student will be able to discern what type of intervention should be performed, taking into account the individual characteristics and clinical situation of each patient.
- Choose the device and optimal technique in each clinical scenario.
- It will demonstrate at skill stations and practical assessments that it is able to provide airway isolation with any of the techniques and devices trained during the course, while being able to overcome the difficulties and unforeseen during clinical simulation

Teaching Team

- **Jesús Flores González** (*Coordinator*). Intensive Care Medicine Specialist. Experto Universitario en el Manejo de la Vía Aérea. Member of European Airway Management Society. Master Universitario Gestión e Intervención de Crisis y Emergencias Colectivas. Instructor SVA/SVAT. Instructor programas ITLS.
UCI Hospital del SAS de Jerez (Cádiz)
- **Francisco Castro Lobo**. Anesthesiologist. Experto Universitario en el Manejo de la Vía Aérea.
UGC Anestesia y Reanimación Hospital U.Puerto Real (Cádiz)
- **Jorge Álvarez López**. Expertise Nurse. Master Oficial en Urgencias y Emergencias. Experto Universitario en el Manejo de la Vía Aérea. Instructor SVA/SVAT/SVI.
Servicio de Urgencias Hospital 12 de Octubre (Madrid)
- **Gema Armenta López**. Intensive Care Medicine Specialist. Experto Universitario en el Manejo de la Vía Aérea.
UCI Hospital QuirónSalud CDG (Cádiz) y H V. Macarena (Sevilla)

Accreditation

- Diploma issued by **Excmo. Colegio de Médicos de Cádiz** for 41 learning hours
- Agencia de Calidad Sanitaria de Andalucía (**ACSA**): 4,38 credits of Continuing Medical Education in past years (2017 pending)
- Endorsement of *European Airway Management Society* (**EAMS**)

Methodology

It is a blended course based on the one-month Moodle e-learning platform, with a face-to-face phase of 3 days (5 hours per day). As a novelty in this call, a day of clinical practice is added, where students will attend the surgical area of the University Hospital of Puerto Real and will be tutored by anesthesiologists to check the clinical application of the techniques and devices learned everyday.

- Non-Presential Phase: Equivalent to 20 teaching hours during the 3 previous weeks: Audiovisual texts and resources will be provided weekly for your study, having to perform tests or evaluation exercises for your accreditation 1 week post-presence: consolidation, review and final evaluation for accreditation
- Face to face: 15 hours (3 days). Development of theoretical sessions, skill stations and clinical simulation
- Clinical Phase: 6 hours (during 1 working day). In groups of 2-3 students, they will attend a tutored clinical course at the Anesthesiology service. Date to be agreed according to the availability of the students.

Content

Theoretical

- Anatomy and Physiology of the Respiratory System
- Basic Airway Management
- Oxygen therapy and oxygen delivery devices
- Indications of airway insulation
- Prediction of difficulty in ventilation
- Prediction of difficulty in intubation
- Supraglottic ventilation devices
- Orotracheal and nasotracheal intubation
- Supraglottic intubation devices
- Intubation facilitating elements
- Videolaryngoscopes
- Fibroscopes
- Airway in the trauma
- Airway in the out-of-hospital environment
- Ventilation with jet systems
- Surgical airway
- Pharmacology. Rapid Sequence Intubation (RSI)
- Difficult Airway Algorithms (VAD)
- Artificial Airway Care
- Criteria and care in Extubation

Practical

- Basic Airway Management
- Oxygen therapy and oxygen delivery devices
- Supraglottic ventilation devices
- Orotracheal and nasotracheal intubation
- Facilitating elements.
- Videolaryngoscopes. Fibroscopes.
- Airway in Trauma and Out-of-Hospital Environment
- Surgical Airway

Images from previos courses



Supraglottic Devices Training



Fiberoptic Intubation Training



Airway Management in Trauma and EMS



Videolaryng.



Skill Stations

