

General Agenda

Date	Hour	GROUPS					
		1 - Real Madrid CF 	2 - FC Barcelona 	3 - Atlético Madrid 	4 - Sevilla FC 	5 - Athletic Bilbao 	6 - Osasuna 
2/11	12:00	Welcome LUNCH					
	13:00 – 15:00	ACCA Welcome Plenary : ICD/PM troubleshooting (90 min)					
	15:00 – 17:00	Renal replacement therapy	Vascular access	ECMO	Critical case simulation	Advanced Ventilation	Difficult airway management
	17:30 – 19:30	Vascular access	Renal replacement therapy	Critical case simulation	ECMO	Difficult airway management	Advanced Ventilation
3/11	9:00– 11:00	Advanced Ventilation	Difficult airway management	Renal replacement therapy	Vascular access	ECMO	Critical case simulation
	11:30 – 13:30	Difficult airway management	Advanced Ventilation	Vascular access	Renal replacement therapy	Critical case simulation	ECMO
	13:30 – 14:30	LUNCH					
	14:30 – 16:30	ECMO	Critical case simulation	Advanced Ventilation	Difficult airway management	Renal replacement therapy	Vascular access
	17:00 – 19:00	Critical case simulation	Advanced Ventilation	Difficult airway management	Advanced Ventilation	Vascular access	Renal replacement therapy
4/11	8:30-9:30	Exam: Tips and tricks					
	10:30 – 13:30	ACCA CERTIFICATION EXAM					

Courses

Echo-guided Vascular Access

Educational Objectives:

- Understand the principles of echo-guided vascular access
- Interpret short- and long-axis vascular visualization
- Learn how to differentiate arteries and veins
- Learn the required equipment and the preparation of the technique
- Learn echo-guided cannulation of:
 - internal jugular vein
 - femoral vein
 - peripheral vein and peripherally inserted central venous catheter
 - arterial access

Renal replacement therapy

Educational objectives:

To learn the indications of extrarenal depuration, as well as the different modalities and functions of an haemofilter, which parameters are important and which alarms should make us stop the therapy. Also, how to solve common problems that can appear when using a haemofilter (i.e. hypotension or bleeding).

ECMO

Educational Objectives:

To provide a complete multidisciplinary understanding of ECMO. The course aims to provide a systematic approach to the basic principles (what), indications (why, when, who) and management (how) for adult ECMO support. We will focus on evaluation of the physiological principles behind ECMO support and the importance of tailoring the support method to the evolving patient clinical scenario.

Critical Case Simulation

Educational Objectives:

Review of the most important clinical scenarios one is confronted with when working in acute cardiac care, such as acute chest pain (AMI, dissection, pulmonary embolism), rhythm disorders (ventricular, supraventricular), AHF & shock, infections, pericardial tamponade, CPR, breathing disorders.

Participants should be able to assess clinical symptoms, perform diagnostic procedures (auscultation, ..) and order diagnostic tests (xray, echo, blood tests, angiography,...) and treat the patient both pharmacologically and invasively. Simulators should provide real-life feedback to the therapeutic approaches chosen or necessary therapies missed. Each case should conclude with a feedback to the participant.

Difficult airway management

Educational Objectives:

Evaluation of the airway. Predicting difficulty:

- Difficult facial mask ventilation
- Difficult laryngoscopy
- Difficult use of supraglottic airway devices
- Difficult surgical access (tracheostomy vs cricothyrotomy)

Pharmacology of the airway:

- Pretreatment agents: lidocaine, fentanyl, others
- Sedative/induction agents
- Neuromuscular blocking agents: depolarizing vs non depolarizing agents

Algorithms:

- Predicted difficult airway
- Unpredicted difficult airway
- Crash airway
- Failed airway

Hands-on-ventilation – advanced module

Educational objectives:

Learn how to choose the method of ventilation (pressure control, volume control, SIMV), how to interpret ventilation curves and how to manage different problems occurring during ventilation, such as bronchospasm, atelectasis and misadaptation to the ventilator. Learn how to use devices for difficult intubation, such as Fastrack, AirTraq, fibrobronchoscopy.

ICD/PM troubleshooting

Educational Objectives:

Understand the basics of CIEDS (Cardiovascular Implantable Electronic Devices) circuitry and functioning, learn how to interrogate a PM/ICD with a programmer, manage the most common acute clinical situations involving patients implanted with PM/ICD (clinical cases and simulations: loss of capture in a PM dependent patient, lead failure, arrhythmic storm, syncope etc).