

Postgraduate Diploma  
**ADVANCED AORTA  
SURGERY**

Diploma de Especialización

**Cirugía avanzada de la Aorta**

Dr. Eduard Quintana



Highly specialised postgraduate programme focused on advanced open aortic surgery, combining academic excellence with intensive clinical and surgical training. Programa de alta especialización centrado en cirugía aórtica abierta avanzada, con formación académica y práctica clínica intensiva.

This course is aimed at physicians who wish to improve their knowledge and skills in complex open surgery of the aortic root, the aortic arch, and the thoracoabdominal aorta. Through individualized lectures and clinical and surgical exposure, participants gain experience in advanced aspects of aortic surgery and in the perioperative care of patients undergoing complex aortic procedures. Participants are expected to be fully integrated into the aortic team and to acquire experience in cutting-edge multidisciplinary management of these complex patients. By the end of the programme, surgeons are able to independently perform a broad range of open aortic vascular procedures.



CREDITS: 58 ECTS



LANGUAGE: English / Spanish



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TUITION FEE: 3500€

# General Objectives

To provide the candidates with the knowledge and skills to lead a surgical aortic program and provide overall care for patients with complex organ aorta diseases.

## Specific objectives

Provide competences and skills in aortic root surgery (Valve sparing procedures, Ross operation, complex endocarditis, homograft

root replacement, iterations of the Commando operation, isolated aortic valve repair, Bentall, redo root operations).

Provide competences and skills in aortic arch surgery (classic arch repair, frozen elephant trunk procedure, normothermic aortic

arch surgery).

- Provide competences and skills in thoracoabdominal aorta surgery (extend I-IV open TAAA repair, TAAA surgery with partial

CPB, DHCA or LHB).

- Provide competence and the ability to offer safe perioperative management of patients in the ICU and floor before and after

complex aorta procedures.

- Provide competences in leading an aorta clinic and provide life-long care for aorta patients, including follow up and comprehensive management of families with HTAD.

# General features of the teaching methodology

Teaching will be delivered through the following activities:

- Individual lessons by the director and coordinators
- Participation in multidisciplinary aorta meetings
- Attendance to supervised rounds in the ICU, intermediate care unit and ward
- Attendance to outpatient clinic with the director and coordinators for consultations and follow up visits of patients with aorta diseases
- Engagement in operations related to aorta disease
- Participation in wetlabs, cadaveric models or simulation activities
- Attendance to daily departmental meetings