UMICS ACADEMY

6th International Course on Minimally Invasive & Robotic Cardiac Surgery

Lisbon, Portugal | October 29–30, 2026

A Heart Team Experience

About the Course

The 6th International Course on Minimally Invasive and Robotic Cardiac Surgery is one of Europe's premier hands-on training experiences in advanced cardiac surgery techniques. Over two intensive days in Lisbon, participants gain direct access to world-class faculty, cutting-edge simulation, and real-world clinical insight — all under one roof.

This year, we go beyond traditional faculty-student boundaries. For the first time, surgeons, perfusionists, and OR nursing teams train side-by-side — because the best outcomes in the operating room are built on a fully prepared Heart Team.

Who Should Attend

- ✓ **Cardiac Surgeons** — from resident to senior consultant level
- ✓ **Cardiothoracic Surgical Residents** — seeking early exposure to minimally invasive techniques
- ✓ **Perfusionists** — working in or transitioning to MIS/robotic cardiac environments
- ✓ **OR Scrub Nurses & Surgical Technologists** — specializing in cardiac and thoracic procedures

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What You Will Learn

Surgeons & Residents

- ✓ **Robotic Cardiac Surgery** — mitral, tricuspid, CABG, and atrial pathology
- ✓ **Minimally Invasive Mitral & Tricuspid Valve Surgery**
- ✓ **Port-Access and Endoscopic Approaches**
- ✓ **3D Anatomy & Patient Simulation** — on-bench and ex-vivo models
- ✓ **Surgical Decision-Making** — case discussions led by international experts
- ✓ **Live Operative Demonstrations**

Perfusionists — Parallel Track

- ✓ **Perfusion Strategies for MIS & Robotic Cases**
- ✓ **Peripheral Cannulation & Femoral Bypass**
- ✓ **Vacuum-Assisted Venous Drainage (VAVD)**
- ✓ **Cardioplegia Delivery in Complex Cases**
- ✓ **Perfusion Safety, Monitoring & Troubleshooting**

OR Nurses — Parallel Track

- ✓ **Surgical Setup for MIS & Robotic Cardiac Procedures**
- ✓ **Instrument and Trocar Management**
- ✓ **Robotic Platform Preparation & Docking**
- ✓ **Intraoperative Team Communication & Safety Protocols**
- ✓ **Scrub Nurse Role in Endoscopic Cardiac Environments**

Faculty

Course Co-Directors — Surgical Program

- **Dr. Nelson Paulo** Cardiac Surgeon, Hospital de Santa Marta, Lisbon | UMICS Academy
- **Dr. Diego González Rivas** Pioneer in Uniportal VATS & Minimally Invasive Thoracic Surgery

Course Directors — Perfusion Track

- **Lorena Carballo** Clinical Perfusionist
- **Ana Henriques** Clinical Perfusionist

Course Directors — Nursing Track

- **Nurse Elvira Marques** Senior OR Nurse, Cardiac Surgery
- **Nurse Elsa Portinha** Senior OR Nurse, Cardiac Surgery

Invited International Faculty

- **Dr. Javier Gallego** Robotic & MIS Cardiac Surgery
- **Dr. Pedro Catarino** Minimally Invasive Cardiac Surgery
- **Dr. Miguel Nobre Menezes** Interventional Cardiology & Structural Heart
- **Dr. Ricardo Fontes-Carvalho** Cardiology & Structural Heart Disease
- **International Guest Faculty** TBC

Why Lisbon

Lisbon offers the perfect backdrop for surgical innovation — a vibrant European capital with world-class hospital infrastructure, easy international connections, and a rich culture to explore around your training days.

- ✓ **Direct flights from major European and international hubs**
- ✓ **Accommodation options for all budgets near the venue**
- ✓ **Pre- and post-course social program for networking**

Apply Now

Spaces are strictly limited to ensure an immersive, high-quality learning experience. Early application is strongly encouraged.

Surgeons & Residents — Apply Here → https://forms.gle/YourSurgeonLink

Perfusionists — Apply Here → https://forms.gle/R9QWx4xC2oeH2WrT9

OR Nurses — Apply Here → https://forms.gle/YourNurseLink

Contact & Enquiries

For questions about the program, registration, or logistics, please contact us at:

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www.umicsacademy.com

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