



Keyhole Surgery

- Totally Endoscopic Cardiac Surgery
- 3D 4K Video

Centre of Excellence of Bordeaux - Minimally Invasive Cardiac Surgery Course

Minimally Invasive Cardiac Surgery Course

The minimally invasive mitral surgery program is based on careful patient selection, standardized surgical protocols and a strong focus on safety and reproducibility

This course is part of a fully endoscopic cardiac surgery program using 3D 4K video technology, providing a modern, reliable, and reproducible approach

This program is led by Dr Busuttil & Dr Osés and is intended for cardiac surgeons and multidisciplinary teams (cardiologists/echocardiographers, perfusionists, scrub nurses).

The maximum capacity is **4 participants** (team participation encouraged).

Objectives

By the end of the course, participants will be able to:

- Understand the indications and limitations of minimally invasive cardiac surgery
- Optimize patient selection
- Implement a structured program in their own institution
- Master the organizational and technical fundamentals of endoscopic procedure

Recommended format:

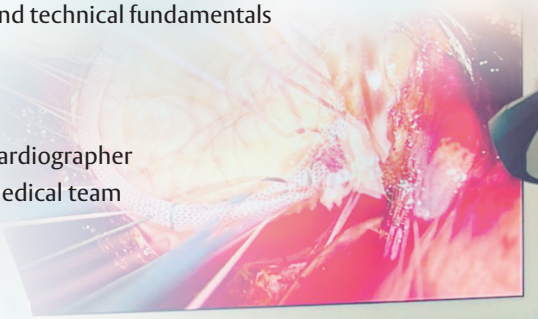
- Session 1: Surgeon + echocardiographer
- Session 2: Surgeon + paramedical team

Dates:

- 25-26 June 2026
- 16-17 September 2026
- 21-22 October 2026
- 18-19 November 2026
- 9-10 December 2026

Location:

114 Av. d'Arès,
33200 Bordeaux, France



Day 1

17:30 Welcome of participants

18:00

- The Bordeaux experience
- Patient selection
- “Made in Bordeaux” operating room setup
- Implementation of a minimally invasive program

18:30 Presentation of surgical cases

19:30 Dinner

Day 2

08:30 Case 1: Endoscopic Mitral valve repair

11:30 Debriefing & discussion

12:00 Lunch

13:00 Case 2: Endoscopic Mitral valve repair

16:00 Final debriefing & Q&A session

The content of the course and the dates can be adapted on a case by case basis according to the needs of the participants.

About the centre – Bordeaux Saint Augustin

Bordeaux is a historic center of excellence in cardiac surgery, supported by an internationally renowned school founded by Professors Fontan and Baudet.

Since 1990, Clinique Saint-Augustin has established itself as one of the leading private cardiac surgery center in France, performing approximately 1,400 cardiopulmonary bypass procedures each year.

All cardiac procedures are performed by a highly experienced team of five surgeons trained in the Bordeaux school:

- Dr Elia
- Dr Choukroun
- Dr Barandon
- Dr Oses
- Dr Busuttil

Expertise

The center has developed advanced expertise in valve-preserving techniques:

- Mitral valve repair: #1 center in France by volume (≈160 repairs/year in 2025)
- Aortic valve-sparing surgery: Yacoub, David, and CAVIAAR techniques
- Ross procedure
- Valve replacement surgery

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