



FELLOWSHIP PROGRAM – ELECTROPHYSIOLOGY DEPARTMENT

With an expected annual volume of more than 350 ablations and over 500 cardiac implantable electronic devices procedures, including leadless PMs and cardiac conduction system pacing, in 2026, our program offers an ideal environment for a structured EP/CP Fellowship Program.

The fellowship is designed to provide comprehensive clinical, procedural, and academic training for young cardiologists with a special interest in electrophysiology and cardiac pacing. The program combines hands-on supervised training, outpatient and inpatient clinical management, non-invasive electrophysiology, and active participation in clinical research

The EP/CP Fellowship Program will include the following activities

1. Interventional EP/CP

- Ability to perform ultrasound-guided vascular puncture and device-assisted vascular closure
- Ability to perform a transseptal puncture
- Perform supervised EP procedures (diagnostic EP studies, mapping and ablation including use of high-density mapping systems and pulsed field ablation platforms)
- Interpret intracardiac electrograms and 3D cardiac voltage and activation maps
- Perform supervised combined procedures including pulmonary vein isolation and left atrial appendage closure
- Perform supervised cardiac pacing procedures (transvenous and leadless PM implantation)
- Perform supervised ICD and CRT implantation, including S-ICD and EV-ICD
- Perform cardiac conduction system pacing (CSP) procedures and interpret intraprocedural CSP outcomes
- Perform supervised lead extraction procedures

2. Non Invasive Electrophysiology

- Pharmacological and invasive management of complex arrhythmias in different categories of patients
- Perform device follow-up and troubleshooting in the device clinic under supervision
- Interpret EGMs stored in cardiac implantable electronic devices and learn algorithms in PMs, ICDs, S-ICD, EV-ICD, CRTs and ILRs
- Remote monitoring of CIEDs and ILRs
- Loop recorders (ILRs) implantation

3. Research activities

- Assist in patient recruitment for clinical studies
- Conduct clinical research projects
- Collect and analyze clinical data and prepare scientific manuscripts reporting the study results



4. Extra

- A possible short-term observational period at an international center, to be defined, aimed at enhancing the training experience and international research collaborations

Goal

This fellowship aims to provide young fellows with the opportunity to develop their skills and knowledge in the field of cardiac electrophysiology and cardiac pacing, while also being actively involved in clinical research.

Responsibilities

The EP/CP Fellow will work under the direct supervision of the Director of the Clinical Electrophysiology Program, Professor Giulio Conte, and his team. The EP/CP unit is accredited as European Heart Rhythm Association (EHRA) Recognized Training Center.