



FACOLTÀ DI MEDICINA E CHIRURGIA

Scheda informativa Master

Master Title	Interventional Electrophysiology – Complex Ventricular Arrhythmias
Level	2° Level
Director	Professor Carlo Pappone
Academic Year	2025/2026
Duration	12 months
CFU (ECTS)	60 CFU
Language	English/Italian
Admission Requirements	Master's Degree in Medicine and Surgery, with qualification to practice the profession.
Preferred Titles	Best suited candidates hold a specialization in Cardiac Surgery or similar fields and they hold a <u>basic knowledge of Electrophysiology</u> and Pacing.
Learning Objectives	<p>The management and treatment of ventricular arrhythmias represent the most complex part of cardiac electrophysiology. Complex ventricular arrhythmias require prompt intervention as well as intensive care before and after the procedure. The procedural model for the advanced treatment of patients with ventricular tachycardia involves a complex organization in collaboration with other specialists such as cardiac anesthetists and, in some cases, cardiac surgeons. The therapy for ventricular arrhythmias includes both a pharmacological approach and, in specific cases, an interventional one. These procedures are generally performed percutaneously but in some cases require epicardial access (via subxiphoid puncture).</p> <p>This interventional approach is the prerogative of large hospital centers as it requires high expertise from the entire team, as well as dedicated equipment and, in specific cases, hemodynamic support. Therefore, the complexity of the procedure is considerable and requires both technical and cultural training in electrophysiology.</p> <p>The Master's program trains professionals to perform complete management and best practices for patients with complex ventricular arrhythmias, ranging from the correct interrogation and programming of devices such as defibrillators to the management of the electrophysiology lab, selection of the best materials for the procedure, and execution of</p>



	<p>ablative treatment while skillfully interpreting intracardiac signal information.</p> <p>This Master's program aims to be a super-specialized completion of the training pathway of the Cardiology Residency, able to provide adequate technical and clinical training for professionals who may become key figures in Interventional Cardiology Centers.</p> <p>The program is intended for physicians who meet adequate requirements, particularly basic knowledge of Electrophysiology and Pacing. The activation of this Master arises from the need to adapt academic training and maintain a high quality of healthcare services throughout the Italian national territory.</p>
Employment Sector of reference	The Master is aimed at doctors, with particular attention to specialists in Interventional Cardiology, which hold a proven experience in electrophysiology and pacing.
Delivery Mode	Blended (full-time)
Learning Activities' Structure	<p>Frontal Teaching activities (23 ECTS) include a combination of theoretical-practical lessons, journal clubs, and joint interventional meetings; these will be conducted in person, full-time, according to a schedule that will be defined by the Director at the start of the Master's program.</p> <p>Practical activities and internship (27 ECTS) will be conducted in person, following the methods and timing agreed upon with the Master's Director and tutors, and will include activities in the lab, ward, and outpatient clinic.</p> <p>At the end of the program, a theoretical/practical exam is planned in order to comprehensively assess the candidate, both theoretically and practically, using material from acquired case studies. Additionally, students will be required to prepare a written thesis (10 ECTS).</p>
Attendance	Mandatory
Available Spots	2
Minimum enrolled students to activate the master	1
Selection modality	<p><u>Academic Title evaluation and possible additional Interview.</u></p> <p>Admission to the Master will depend on both an Academic and Professional Title evaluation.</p> <p>Professional evaluation will pertain to the candidate's skills on electrophysiological procedures. The candidate must be autonomous in performing studies on the left sections of the heart.</p> <p>Each candidate can be awarded a <u>maximum score of 20 points</u>, distributed as follows:</p> <ul style="list-style-type: none"> Academic and professional curriculum (including specialization in Cardiology and related fields): up to 10 points



	<ul style="list-style-type: none">• Logbook proving > 100 studies on the left sections of the heart: up to 5 points• Relevant scientific publications: up to 5 points. <p>For the evaluation of qualifications, a minimum score of 10 points is set, below which the candidate may be deemed unsuitable for attending the Master's program.</p> <p>If the number of candidates deemed suitable based on the evaluation exceeds the number of available spots (2), an interview will be conducted. In this case, the maximum score assignable for the individual interview will be 10 points.</p> <p>The maximum score including the interview is 30 points.</p> <p>A minimum score of 15 points (including the interview) is set, below which the candidate may be deemed unsuitable for attending the Master's program. Based on the evaluation and the possible interview, a merit ranking will be published.</p> <p>Candidates who do not attend the interview will not be included in the ranking</p>
Admission deadline	February 1st, 2026
Enrollment fee	25.000 Euros <ul style="list-style-type: none">- The amount can be paid in a single payment upon enrollment or in two installments, divided as follows: 15,000 euros upon registration; 10,000 euros within 6 months since the beginning of the Master.
Master kick off	Starting from March 9th, 2026
Administrative HQ	Università Vita-Salute San Raffaele, Via Olgettina, 58, Milano
Venue	Teaching activities will take place at the Arrhythmology Department of San Raffaele Hospital – Auditorium Hall and Electrophysiology Rooms (ground floor, sector Q).