



MEDICINE AND SURGERY DEPARTMENT

Master's General Info

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| Master's Title | Structural Interventional Cardiology |
| Level | 2° level |
| Director | Professor Matteo Montorfano |
| Academic Year | 2024-25 |
| Duration | 12 months |
| CFU (ECTS) | 60 CFU |
| Language | English |
| Admission requirements | <p>Degree in Medicine and Surgery with qualification to practice. Specialization in Cardiology and or Heart Surgery To be able to participate in the II level Master in Structural Interventional Cardiology, the candidate must prove to be autonomous in coronary interventional cardiology (Certification of the sending center; at least 50 PCIs as first operator) It is recommended a basic knowledge of Italian.</p> |
| Learning objectives | <p>The II level Master Program in <u>Structural Interventional Cardiology</u> aims to provide theoretical and practical skills in the field of structural interventional cardiology.</p> <p>The candidate will be exposed to structural intervention procedures like transcatheter aortic valve implantation (TAVI), percutaneous correction of mitral regurgitation with MitraClip, percutaneous left atrial appendage closure, percutaneous closure of patent foramen ovale (PFO) and percutaneous closure of atrial septal defect and of paravalvular leak.</p> <p>Procedural pre-planning will take great importance in the course. With regards to the TAVI procedure, the candidate will learn how to read and interpret a pre-procedural CTscan, how to select the proper prosthesis (type of prosthesis, sizing), how to avoid and eventually treat potential procedural complications.</p> <p>The results will be verified daily during the catheterization laboratory attendance and by the writing of an experimental thesis.</p> |
| Employment sector of reference | Candidates best suited for the Master will have a Specialization in Cardiology and or Heart Surgery. |
| Delivery | In person |
| Structure of training activities | The <u>frontal teaching activities</u> , which provide a total of 7 credits, will take place in person. |



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| | <p>The <u>practical activities and the training</u>, which provide a total of 43 credits, will take place in person, based on cadences defined with the Director of the master's degree and the tutors.</p> <p>The drafting of a <u>final thesis</u>, which provides a total of 10 credits, will be an autonomous activity.</p> |
| Attendance | Attendance is mandatory. |
| Available spots | Max 3 |
| Minimum number of students for the master to be activated | Min 1 |
| Selection process | <p>Admission is based on the evaluation of the academic documents to be submitted with the application and it is followed by an online interview with the master's evaluation board.</p> <p>Each aspect of the evaluation process foresees a maximum and a minimum score, for a total of 20 points, divided as follows:</p> <ul style="list-style-type: none">-Curriculum of studies (graduation grade, marks in the relevant exams, relevance of the degree thesis) max 6 points, min 0 points.-Possible specialization in Cardiology, max 2 points, if in Heart Surgery, max 1 point.-Professional and scientific curriculum (at least 50 PCIs as first operator; seniority in healthcare facilities, relevant scientific publications, any other qualifications) max 6 points- Interview, max 6 points. <p>Please notice that an average evaluation of <u>min 10 points</u> is necessary to be evaluated admissible. Under this score, the evaluation board could establish that the candidate is not admissible.</p> |
| Admission deadline | September 15th 2024 |
| Interview | To be completed at least 30 days before the beginning of the Master. |
| Tuition fee | <p>8000 Euro</p> <p>The amount can be paid in a single payment upon enrollment or in two installments, divided as follows:</p> <ul style="list-style-type: none">- euro 5.000 Euro upon enrollment- euro 3.000 Euro within 6 months from the beginning of the Master. |
| Master kick off | Starting from November 4th 2024 |
| Administrative HQ | Università Vita-Salute San Raffaele |
| Venue | Università Vita-Salute San Raffaele San Raffaele Hospital – Interventional Cardiology and Hemodynamics Operative Unit. |