



Sant'Anna
Scuola Universitaria Superiore Pisa



DR 631 del 08/10/2021

CALL FOR APPLICATIONS

II LEVEL MASTER

Percutaneous interventional treatment of structural heart diseases Academic Year 2021/2022

Article 1 – General Information

The Sant'Anna School of Advanced Studies, in Pisa, Italy, according to the article 3 of the School's Statute, and in partnership with the Fondazione Toscana G. Monasterio - Regione Toscana-CNR, will be offering the 5th edition of the II level Master course "Percutaneous interventional treatment of structural heart diseases Academic Year 2021/2022.

The Master Director is Prof. Claudio Passino.

The Course's venue will be the main campus of Sant'Anna School; practical activities will be held in the headquarters of Fondazione G. Monasterio in Massa and Pisa, and in other sites.

The Master will begin in January 2022 and end in July 2023.

Language of instruction will be English.

Article 2 – University Credits (CFU)

The Master provides students with 60 University Credits (ECTS).

To obtain the Master Degree the attendance of courses is mandatory, as well as to pass the intermediate and final tests of proficiency according to what is stated by the Internal Regulation of the Master.

The acquisition of the Master Degree occurs with 60 CFU, and is subject to the respect of the minimum attendance requirements, i.e. 80% of the scheduled teaching activities including practical internships as for article 4.

Article 3 – Goals and Job Opportunities

The general objective of the Master is to provide the cardiologist and cardiac surgeon theoretical and practical skills for an innovative and modern therapeutic approach to the patient suffering from structural heart disease (i.e. non-coronary). Specifically, the Master aims to: 1) provide the diagnostic bases and clinical criteria that allow the identification of the population of patients susceptible to percutaneous and / or hybrid approaches; 2) to illustrate the panorama of imaging techniques, their interpretative bases and their use in the diagnostic-therapeutic process; 3) analyze the pre-, intra and post-operative medical aspects (role of the clinical and interventional cardiologist, radiologist, anesthesiologist, cardiac surgeon); 4) to illustrate both the novelties of structural interventional techniques both in theory and in practice; 5) provide the elements of health economics and resource management with a focus on the socio-economic impact of innovative approaches in medicine.

Article 4 - Teaching Methods and Course Schedule

The syllabus of the Master Programme, in addition to individual studying and the preparation of a final project work, will cover 700 hours distributed over a period of 18 months and divided as follows:

- no. 130 hours of lectures and seminars (in classroom, blended or synchronous remote learning)
- no. 230 hours of e-learning on dedicated platform;
- no. 40 hours of workshop;
- no. 300 hours of residential training in qualified international Institutions selected by the by the Scientific Board of the Master.

E-learning involves the use of a platform whose contents will be accessible 24h / 24h through credentials provided at the beginning of the Master. The platform allows tracing of the participant's activity to check the progress of the training. The platform ensures the minimum requirements for access and use of training courses with the use of

common browsers (Internet Explorer, Firefox, Chrome, Safari) and devices (MAC, PC, Tablet or iOS / Android / Windows Phone smartphone).

The Master Programme is structured in the following main areas:

- Clinical cardiology and Anesthesiology, to acquire theoretical and practical knowledge aimed at pre-operative evaluation of patient candidate to percutaneous structural interventions, to patient management, to risk evaluation, to evaluation of pathologies requiring non-conventional approaches, to cardioanesthesia;
- Imaging, to acquire the interpretative basis of main imaging techniques in order to optimize preoperative planning
- Interventional Cardiology, to develop deep knowledge and skill in the use and application of percutaneous and hybrid therapies for structural heart diseases
- Health management, concerning the analysis of the economic, social and cost-benefits aspect of the new techniques;
- Practical internships: with an overall duration of at least 300 hours; it is recommended to spend 80 hours in the Cardiothoracic Department of the Fondazione G. Monasterio in Massa Italy. Internships may also be partially carried out at each student's usual workplaces after approval by the scientific board of the Master.

For this edition the training sites for the residential internships are: 1. Cardiothoracic Department of the Fondazione G. Monasterio, Regione Toscana-CNR Massa, Italy, 2. Cardiothoracic and Vascular Department of the University of Pisa, Italy, 3. Structural Interventional Cardiology, Careggi University Hospital, Florence, Italy, 4. Department of Clinical and Interventional Cardiology, IRCCS Policlinico San Donato, Milan, Italy; 5. Maria Cecilia Hospital, Cotignola, Italy. Other sites will be communicated during the Master course.

Workshops on treatment of structural heart diseases can be attended abroad.

Rights and duties of the students of the Master, as well as the use of School facilities, are regulated by "General Rules and Regulations for University Master" of the Sant'Anna School and by the Rules and Regulations of the Master "Percutaneous interventional treatment of structural heart diseases"

Article 5 – Project work

At the end of the Master Course, the students shall produce a written dissertation about the project work carried out during the internships, which will be discussed and assessed by an Evaluation Committee nominated by the Rector with a Decree.

The discussion of the Project Work must be held within the first session of the Academic Year following the year in which the Master will end.

The Project Work must be registered for publication in the archive of the Thesis online of Sant'Anna School, within the timing indicated in the Internal Regulation of the Master.

Article 6 - Admission Requirements

Applications for the Master Course can be made by European and Non-European citizens, who possess a University Degree in Medicine (or an equivalent qualification) and a Specialization in Cardiology or Cardiac Surgery or related disciplines (or an equivalent qualification). Other University Degree qualifications could be accepted under the Evaluation Committee assessment.

Students who are enrolled in university programs and expect to gain the Specialization Degree within the beginning of the Master are also eligible.

The candidates shall have a good knowledge of English language (at least B2 should be self-certificated).

Article 7 - Application Procedure

Applicants shall submit their application on-line at www.santannapisa.it → Advance Education → Second Level Master's Diploma → Percutaneous Interventional Treatment of structural heart diseases, within December 7th 2021, at 24.00.

Following, the documents to enclose to the application:

- Self-declaration of the Degree in Medicine and of the Specialization including the date and the final vote;
- Curriculum vitae;

- motivation letter;
- others attendance certificate;
- copy of a valid identity card.

Those who expect to gain specialization within the beginning of the Master are required to present a self-declaration with a list of sustained exams, and the date of the Specialization. If admitted, they must present a self-declaration of the obtained Specialization.

Incomplete or delayed applications, for any reason, will not be accepted.

False documents or false declarations will be punished according to the Penal Code and Special Laws in matter, articles 75-76 D.P.R. 445/2000.

Sant'Anna School can, at any time, even after the beginning of the Master, verify declarations and documents. In case they are false, School can exclude candidates with a Rector's Decree.

Art. 8 – Selection process

The number of available positions is 15 with a minimum of 8 participants.

The selection process will be carried out by the Evaluation Committee nominated by the Rector through the evaluation of the titles, the curriculum, and the motivation. If required, a phone or skype interview will complete the evaluation process.

The Scientific Committee will select the applicants by awarding up to 100 points to their qualifications according to the following criteria:

- Academic curriculum (average of marks received at exams, mark of the MD graduation exam, consistency of the curriculum and dissertation with the contents of the Master Course): up to 40 points;
- Relevant professional experience in interventional cardiology, research activity, and publications: up to 40 points;
- Motivation letter: up to 20 points.

At the end of the selection, the 15 best-ranked applicants will attend the Master; in case of withdrawal, those who have been awarded an overall score of at least 70/100 points will be eligible to attend the Master Course.

In presence of an *ex equo*, the younger candidate will be chosen.

Only the eligible applicants will receive an e-mail, requiring for confirmation to participate to the Master Course. Any communication to the applicants regarding this call shall be transmitted via e-mail.

The 15 best-ranked applicants who confirm their participation to the course will be admitted to attend the Master Course. In case of student withdrawal, the next eligible applicant who has confirmed the participation to the course will be admitted to the Master Course.

Once the selection is ended, Sant'Anna School, with a Rector's Decree, will approve the procedure and the rank, after the verification of candidates' requirements and titles. Final rank will be published exclusively online on the School's website, in the section dedicated to the master.

In case of a low number of applications, Master's Direction can decide not to activate the Master.

Art. 9 - Acceptance procedure

Candidates admitted to attend the Master Course must confirm their participation, under penalty of exclusion, within the deadline and in accordance to the instructions reported in the admission notice and then proceed with the payment of the tuition fee through the PagoPA payment notice, then sending to the Scuola Superiore Sant'Anna - UO Alta Formazione the receipt of payment of the first instalment of the tuition fee of € 2.000,00.

In order to complete their participation, at the beginning of the Master students will present to the Secretariat a stamp of € 16,00 to apply on the application form.

The payment of the second instalment of the tuition fee of € 2.500,00, through the PagoPA payment notice, must be done according to the instructions reported in the admission notice.

Article 10 – Master tuition fee

Master tuition fee has been fixed to € 4.500,00 and include participation to all teaching activities as well as teaching material, lunches during the lecture weeks at the Sant’Anna School in Pisa, access to the e-learning platform, tutoring and assistance for preparation of the project work, tax stamp of € 16,00 for the Diploma.

Travel and accommodation expenses are on student’s charge.

In case of student withdrawal before the beginning of the Master, the eligible candidates will not be refund of the first half of the tuition fee.

If a student will interrupt the Master Course, he/she will not be refunded and the entire tuition fee amount is due.

In accordance with Italian Law, art. 9 comma 2 del DLgs 68/2012, presenting an adequate certification, students with a disability equal or superior to 66% are exonerated from the tuition fee; students with a disability inferior to 66% have right to a reduction of 1.5 % every percentage point (art. 3, comma 1, della L. 104/1992).

Article 11 – Degree Awarded

At the end of the Master Course, students who have attended the teaching program and have passed all the required examinations, successfully discussed the Project Work, and paid the tuition fee will receive a II level University Master’s Diploma, in accordance with article 3 of D.M. 270/2004.

Art. 12 - Personal Data and measures of prevention of corruption

In accordance with Italian Law n. 241/1990 art. 5, the Responsible for the Administrative Proceeding is the Responsible of U.O. Alta Formazione – Scuola Superiore Sant’Anna – via Maffi 27, 56127 Pisa – (phone +39 050 882645; e-mail altaformazione@santannapisa.it).

According to the Italian Legislative Decree n. 196/2003 (Personal data Protection), please note that the personal details collected by Sant’Anna School, will be used solely for the purposes pertaining to the management of this Master Programme, in accordance with the applicable regulations. Scuola Superiore Sant’Anna shall be responsible for such data processing. Anyone concerned can assert the rights under art. 7 of the Italian Legislative Decree n. 196/2003 with the Sant’Anna School (e-mail urp@santannapisa.it).

The Sant’Anna School operates in compliance with Law n.190/2012 concerning the prevention of corruption by implementing measures identified in the “Three-year plan for the prevention of corruption” published in the section “Transparent Administration” of the School website at: www.santannapisa.it.