



## CALL FOR APPLICATIONS

### II Level Master Programme in Percutaneous interventional treatment of structural heart diseases Academic Year 2019/2020

#### Article 1 – Start up

The Institute of Life Sciences of 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 4<sup>th</sup> edition of the II level Master course "Percutaneous interventional treatment of structural heart diseases" Academic Year 2019/2020.

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 February 2020 and end in July 2021.  
Language of instruction will be English.

#### Article 2 – University Credits (ECTS)

The Master provides students with 60 University Credits (ECTS).  
To obtain the Master Diploma 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 Diploma occurs with 60 CFU, and is subject to the respect of the minimum attendance requirements, 90% of the scheduled teaching activities and 80% for practical internships as for article 4.

#### Article 3 – Goals and Job Opportunities

The general objective of the Master is to provide the cardiologist and the 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 750 hours distributed over a period of 18 months and divided as follows:

- no. 170 hours of lectures and seminars in classroom (17 ECTS);
- no. 240 hours of e-learning (24 ECTS);
- no. 40 hours of workshop that can be attended abroad (4 ECTS);
- no. 300 hours of practical internship in qualified international institutions selected by the Master's Director (12 ECTS);
- Project Work (3 ECTS).

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
- **Percutaneous Interventions**, 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, will be held in one or more of the following training sites: 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. Other available sites will be communicated during the Master course.

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 – Technical Requirements (Hardware and Software)**

The Scuola and its partners recommend the following as a minimum:

- device (personal computer, tablet, smartphone)
- internet connection (better broadband)
- updated web browser (software/app for browsing web pages)
- updated audio/video player (software/app for audio/video playback)
- PDF reader (software/app for viewing documents in PDF format)

A technical help-desk is available 24/7 through a dedicated email address for any problem related to the access to the e-learning platform and the visualization of its resources.

In case the student decides to discuss his/her final thesis via online programmes, a webcam and a microphone are required. Also, the student will be asked to download the program “Skype”.

#### **Article 6 – Project Work**

At the end of the Master Course, students shall produce a written dissertation (project work) about the activities 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 Thesis 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 uploaded in the Sant’Anna School Digital Thesis Archive in order to be published, within the timing indicated in the Internal Regulation of the Master.

#### **Article 7 – 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 Specialization 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.



### **Article 8 – Online Application**

Applicants shall submit their application on-line within January 14<sup>th</sup>, 2020 at [www.santannapisa.it](http://www.santannapisa.it) → Advance Education → Second Level Master's Diploma → “Percutaneous Interventional Treatment of structural heart diseases”.

The documents to be enclosed in the on-line application are the following:

- Self-declaration of the Degree in Medicine and of the Specialization including the date and the final vote;
- Curriculum vitae;
- others attendance certificate;
- at least two letters of referees;
- motivational letter;
- copy of a valid identity card or passport.

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.

### **Article 9 – Selection of candidates**

The Course is opened to a maximum of 15 and a minimum of 9 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 and two reference letters: 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 case of equal ranking in the assessment phase, preference will be given to the younger candidates.

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 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.

At the end of the selection procedure the records of the selection process and the list of successful applicants will be approved with an official act of the Rector of the Scuola and published exclusively online on the School's website, in the section dedicated to the master.

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

### **Article 10 – Acceptance procedure**



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Admitted applicants must confirm their participation within the time fixed in the admission letter, sending by e-mail ([altaformazione@santannapisa.it](mailto:altaformazione@santannapisa.it)) or fax (+39 050 882633) the following documents:

- declaration of the intention to participate to the Master Course;
- copy of the receipt of payment of the first instalment of the tuition fee of as communicated in the admission letter.

All admitted participants who are non EU citizen or have obtained abroad their Degree must also provide a copy of the Medicine Degree and of the Specialization in Cardiac Surgery (or an equivalent qualification), validated by the Italian authority in the country.

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

#### **Article 11 – Master tuition fee**

Master tuition fee has been fixed to € 4.500,00 and includes participation to all the 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 in preparing the project work, tax stamp of € 16,00 for the Diploma.

Travel and accommodation expenses are on student's charge.

The tuition fee must be paid according to the instruction given in the admission letter:

Bank transfers to: Scuola Superiore Sant'Anna

UNICREDIT S.p.A., Filiale di Pisa, IBAN IT 32 0 02008 14006 000401272765 (indicating: Master EMO – name and surname of the student (first or second instalment)).

Or using the following link:

PagoPA <https://web.pasemplice.eu/PortaleDebitore/02008/93008800505/9556FA86F7DF/index.do>

Choosing the option "pagamento spontaneo".

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

Pursuant to art. 9, paragraph 2 of Legislative Decree No. 68/2012 the Institution grants total exemption regarding payment of the enrolment fee in the case of students with a disability, acknowledged to be equal to or greater than sixty-six percent, in accordance with art. 3, paragraph 1 of Law No. 104/1992, and applies a 1.5% reduction for every percentage point of disability in the case of students who have been acknowledged a disability of less than sixty-six percent. A student that intends to take advantage of the exemption or the reduction is required to attach an appropriate certificate to the online application.

#### **Article 12 – Educational Qualification issued**

At the end of the Master Programme, the Institution issues a second-level University Master's Diploma, pursuant to art. 3 of Ministerial Decree No. 270/2004, as subsequently amended, to students who attended the entire training syllabus regularly and successfully, in accordance with the requirements envisaged in the Disciplinary Regulations and who are up-to-date with the payment of the enrolment fee.

#### **Article 13 – Person responsible for the competitive entrance examination procedure, personal data processing and prevention of corruption measures**

The Head of the U.O. Alta Formazione of the Sant'Anna School of Advanced Studies - Via Maffi, No. 27, 56127 Pisa - tel. 050/882645 - fax 050/882633 - e-mail: [altaformazione@santannapisa.it](mailto:altaformazione@santannapisa.it) is the person responsible for the competitive entrance examination procedure referred to in this call for applications, pursuant to the provisions of article 5 of Law No. 241/90.



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The Sant'Anna School of Advanced Studies complies with the laws and regulations relating to the prevention of corruption (Law No. 190/2012) by applying the measures identified in the “Three-year prevention of corruption plan” published in the Transparent Administration section of the institution’s website at the following address: [www.santannapisa.it](http://www.santannapisa.it).

Sant'Anna School of Advanced Studies, represented by the Rector, as Data Controller, under article 13 of the EU General Data Protection Regulation no. 679/2016 and under the Italian Legislative Decree of 30 June 2003 (“Privacy Code regarding the protection of personal data”) with regard to the processing of personal data, and on his behalf Roberta Chiordi ([roberta.chiordi@santannapisa.it](mailto:roberta.chiordi@santannapisa.it)), Head of the UO Alta Formazione, will process your data.

Please read the privacy statement available at <https://www.santannapisa.it/it/alta-formazione-info>.