



Application for Hosting EACTAIC Adult Cardiothoracic and Vascular Anaesthesia Fellowship Programme

1. Fellowship Information

Basic Fellowship in Cardiothoracic and Vascular Anaesthesia	
Advanced Fellowship in Cardiothoracic and Vascular Anaesthesia	

2. Institution Name

Onassis Cardiac Surgery Center

Address 356 Syngrou Avenue, 17674

Country Greece City Kallithea

3. CEO / Chair Name

First name Theofani Last name Antoniou

Email antoniou\_fani@yahoo.gr Phone 0030 6944 53 63 34

4. Programme Director(s)

First name Theofani Last name Antoniou

Board Certification(s) Certificate of Completion of Specialist Training.

EACTAIC membership Yes If yes, membership's number: 100968

Email antoniou\_fani@yahoo.gr Phone 0030 6944 53 63 34

Mailing Address Fax

Street 356 Syngrou Avenue, Kallithea, Athens

Country Greece

Zip code 176 74

Will the Programme director devote sufficient time to provide substantial leadership to the programme and supervision for the fellows?

Yes

Will the Programme director review the fellows' clinical experience logs at least quarterly and verify completeness and accuracy?

Yes

Does the national/international regulatory authority(s) recognize the institutional CTVA Fellowship Programme?

Yes If yes, please explain The Central Board of Health recognized the Fellowship Programme in 2018.

Completion of the programme will be acknowledged by the Department of Anaesthesia and Intensive Care at the host centre in junction with European Association of Cardiothoracic Anaesthesiology and Intensive Care (EACTAIC) Candidate's requirements

Yes

5. Candidate's requirements

The candidates must be board certified or board eligible according to European residency programme standards

Yes

Language requirements C2 Comments C2 for knowledge of Greek and B2 for English.

Specific requirements towards the attending fellow The attending fellow should have acquired the Certificate of Completion of Specialist Training.

6. General Programme Information

Aims, goals and objectives of the Fellowship Programme

Our aims, goals and objectives are complied with the updated EACTAIC guidelines.

We aim at continuing training anaesthesiologists to become specialists in cardiothoracic and vascular anaesthesia.

We strive for our Fellows to gain extensive experience not only on the clinical duties but also to activities relevant to their scientific background.

Ultimate aim is to participate to the unified training programme of EACTAIC so that patients in Europe and overseas gain excellent quality medical services in the field of Cardiothoracic & Thoracic Anaesthesia.

\* Of note, the training period should not be interrupted by frequent and/or prolonged periods of secondment to other divisions / departments.

Start	June	1	End	May	31
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Number of Positions Per Year: 2 Preferred Programme Type of fellowship training available Clinical / Clinical Research

If clinical, will the fellows be allowed to work with the patients under supervision Yes

Comments A mentor who may be the program director, a faculty member, or a supervising consultant in charge, must personally provide the Fellow with one-on-one clinical supervision during the first four-months of the period of basic training. Supervision of the Fellow by a mentor should then become more remote, however, with the mentor available within a reasonable period of time.

Offered Advanced Training Yes

Name	EACTAIC member	Certification in Cardiothoracic and Vascular Anaesthesia	Additional Qualifications	Email address	Contact address
Programme Director Theofani Antoniou	Yes	No	TOE, Grader	antoniou_fani@yahoo.gr	As above mentioned address
Faculty member Marina Balanica	Yes	No	TOE, EDAC examiner	mbalanika@gmail.com	As above mentioned address
Faculty member Panagiotis Ftikos	Yes	Yes	TOE	pftikos@yahoo.gr	As above mentioned address
Faculty member Areti Falara	Yes	Yes	EDAC Part 1	aretif@hotmail.com	As above mentioned address
Faculty member Stavros Dimopoulos	Yes	No	EDIC	stdimop@gmail.com	As above mentioned address

Publications lists of the faculty's members in PubMed

Attached list of publications

### 8. Resources

Check if each of the following is available at the host centre.

Resources	Yes / No	Days in week	Number
Total cardiothoracic and vascular ward beds	Yes	7	49
Number of ICU beds dedicated to CTV patients	Yes	7	16
Is there an emergency department in which cardiothoracic patients are managed 24 hours a day?	Yes	7	1
An adequately designed and equipped post-anaesthesia care unit for cardiothoracic patients located near the operating room suite?	Yes	7	1
Is there monitoring and advanced life support equipment representative of current levels of technology?	Yes	7	19
Hybrid Operating Rooms	Yes	7	3
Cardiac Operating Rooms	Yes	7	3
Thoracic Operating Rooms	Yes	7	1
Vascular Operating Rooms	Yes	7	3
Catheterisation Labs	Yes	7	2
Electrophysiology Labs	Yes	7	1
Pulmonology Labs	Yes	7	1
Interventional Vascular Suits	Yes	7	1
Separate CVICU Facility	Yes	7	1
Animal Laboratory for research purposes	Yes	5	
Outpatient Clinic for perioperative evaluation of patients undergoing cardiothoracic and vascular procedures	Yes	7	1
24-hours acute pain service available for patients undergoing cardiac, thoracic and vascular procedures	Yes	7	1
Meeting Rooms	Yes	7	3
Classrooms with visual and other educational aids	Yes	7	2
Study areas for fellows	Yes	7	1
Office space for faculty members and fellows	Yes	7	4
Diagnostic facilities	Yes	7	14
Therapeutic facilities	Yes	7	7
24-hour laboratory services available in the hospital	Yes	7	2
Cardiac stress testing	Yes	5	2
Cardiopulmonary scanning procedures	Yes	5	1
Pulmonary function testing	Yes	5	1
Computers and IT support	Yes	6	7
Appropriate on-call facilities for men and women	Yes	7	7

### 9. Clinical Skills and Responsibilities

Will your Programme offer a 12-24 months of fellowship education in fundamental clinical skills of medicine relevant to the practice of CTVA?

Yes

If yes, for each rotation or experience below, specify the duration (in months, four weeks = one month) during the 12-24 months of education in fundamental clinical skills.

Caring for inpatients in	Number of performed produces/year
Cardiac Surgery using CPB	1804
Cardiac Surgery without CPB	56
Minimally-invasive Cardiac Procedures	671
Interventional Cardiac Catheterization (e.g. TAVI, Mitraclip, TriClip, PFO/ASD closure )	TAVI=194, Mitral Clip=17, TriClip=5, PFO/ASD/VSD=52
Electrophysiology Lab (e.g. mapping, ablation, pacemakers, ICDs)	1050
Robotic Cardiac Surgery	NO
Heart, Lung, and Heart/Lung Transplants	Heart/Lung Transplantation=21/12 , VADs=10 (years:2021-2022)
ECLS, ECMO, VAD Procedures	30
Echocardiography Lab	7,500
Thoracoscopic Surgery	82
Pulmonary Resection	312

Oesophageal Surgery	4	
Tracheo-Bronchial Surgery	5	
Interventional Pulmonology Procedures		
Major Vascular Procedures	500	
Interventional vascular procedures	360	
Neurological monitoring during major vascular surgery	yes	
Acute and chronic pain mangement services	yes	
Basic or Advanced Research	basic	
<b>Rotations in</b>	<b>Number of performed produces/basic rotations</b>	<b>Number of performed produces/advanced rotations</b>
Cardiac anaesthesia	7 months	> 100 cases
Thoracic anaesthesia	1.5 months	> 25 cases
Anaesthesia for major supra-inguinal vascular procedures	1 month	> 25 cases
Trans-esophageal and trans-thoracic echocardiography	2 weeks	
Medical or surgical Critical Care Rotation	1 month	> 25 cases
Inpatient or outpatient cardiology	2 weeks	> 25 cases
Inpatient or outpatient pulmonary medicine		
Extracorporeal perfusion technology (CPB, ECMO,Nova-Lung.)	2 weeks	
Paediatric cardiothoracic anaesthesia		
Basic Research		
Clinical Research		

Will all fellows entering the CTVA Programme complete each of the fundamental clinical skills of requirements?

If no, explain

Yes

In the clinical anaesthesia setting, including nights and weekends, will faculty members at any time direct perioperative CTVA care, involving fellows, for more than two anaesthetizing locations simultaneously?

If Yes, describe

No. Only when there is a heart/lung transplantation there are two fellows and two faculty members. If Fellows participate to transplantations as on-call, they will be compensated accordingly.

Clinical Responsibility

In the induction period (first four months), Fellows are under supervision.

Progressively Fellows undertake full responsibility in non-complicated and demanding cases with the supervising Faculty Member being close by.

In the third quarter, Fellows perform their duties in complex cases with the Faculty Member being outside of the operating theatre. The same goes for their rotation in other Departments. Also, Fellows participate in the educational activities of the Department of Anaesthesiology, i.e. lessons, journal club, M & M.

List any other rotations (along with their duration, in months) offered in the Programme to augment fellows' learning.

The rotations included 1.5 day/month to a sum of one month and 1.5 months in the and/ or >25 cases Attikon Hospital for completing the basic obligatory rotations in vascular and thoracic anaesthesia, respectively. That is offered through the signed contract between the Onassis Cardiac Surgery Centre and the Attikon Hospital.

Will advanced subspecialty rotations reflect increased responsibility and learning opportunities?

Yes

Maximum Time in Non-Clinical Activities

3hrs/week divide into 1,5 hrs in preparation for TOE exams and 1,5 hrs in lessons

#### 10. Financial Statement

An employment contract will be signed with the candidate

Yes

Accommodation options are provided

No

Transportation/travel options are provided

No

Monthly Salary

Amount

2,050 euros

Currency

Euro before tax on call included. Net monthly salary: 1,460 euros

This opportunity is not funded by the centre

No

Source of financial support for the candidate:

Host centre (monthly salary)

Others

Possible participation in research programmes.

#### 11. Educational and Academic Programme

Didactic Sessions

Will faculty members' attendance be monitored?	Yes
Will fellows' attendance be monitored?	Yes
Will attendance be mandatory for faculty members?	Yes
Will attendance be mandatory for fellows?	Yes
Who of the following will provide content at conferences? Check all that apply.	Yes
Anaesthesiology faculty members from this department	Yes
Anaesthesiology faculty members from other sites	No
Non-anaesthesiologists from the primary clinical site	Yes
Non-anaesthesiologists from the participating sites	No
Visiting faculty members	No
Drug/industry representatives	No
Fellows	Yes
Others (specify): Click here to enter text.	

What will be the frequency of the following educational topics in the programme's schedule?

	Weekly	Bi-weekly	Monthly	Quarterly	Semi-annually	Annually	Fellows' attendance would be monitored
Critical care appraisal of the literature (i.e., journal club)	No	No	Yes	No	No	No	Yes
Quality improvement (M&M, QA)	No	No	Yes	Yes	No	No	Yes
Board review (e.g., oral exams, keywords)	No	No	No	No	No	No	No
Grand rounds	Yes	No	No	No	No	No	Yes

Other (specify) Click here to enter text.

There are weekly lectures on topics that follow EAECTAIC recommended curriculum.

In addition, during the week, lessons are programmed on TOE that followed by practice in the operating theatre, thus Fellows are given the opportunity to improve their skills on TOE and meet the TOE exam requirements successfully.

Furthermore, Fellows are trained by the Cardiologists in Echo Lab weekly.

During their training in the ICU, they are acquainted with transthoracic echo and lung echo.

At the OR and before the induction in anaesthesia of a patient who is considered a complicated case, there is a brief discussion between a Faculty member and a Fellow on the management of the patient. On occasion of this discussion, there is a Q & A with reference to the particular pathology.

Formal Course Work Available in interesting case reports. There is extensive discussion with focus on ambiguous cases where different opinions are freely expressed. Participation of other specialties, involve in the case, are highly encouraged.

Extra-Institutional Educational Conference Support: Fellows participate in the annual meetings of the Hellenic Society of Anaesthesiology and Hellenic Society of Anaesthesia & Intensive Care of Northern Greece. Fees are covered by OCSC.

The Opportunity for Exchange with other training facilities  Yes

In the Previous 5 Years, Fellows were 1st or 2nd Author On:

Abstracts	2	Peer-Reviewed Journal Articles	17 +2
Book Chapters	2	Other Publications	4 collaborator
Dedicated Research Time	1 hour per month Co-operation with the university -COMMON PROTOCOLS FOR PhD		

In the Previous Year, Fellows present an oral or poster presentation in a national or international meeting  Yes

Patient Care CanMEDS competency framework

Technical Skills	Settings/ Activities	Assessment Method(s)
<b>1. I. General patient assessment and risk estimation</b>		
Fellows should be able to take a descriptive medical history and calculate the risk stratification in elective cases and in emergencies as well. Furthermore, Fellows should be able to inform patients and their relatives of the plan and the outcome in a comprehensive manner.	Self-studies and mandatory institutional lectures. Regularly participation in pre-operative patient screening.	Clinical skills evaluation and feedback. Monthly to quarterly assessment of the Fellow by Programme Director and faculty.
<b>1. II. Anesthesia - Clinical part</b>		
Fellows should be able to plan the anaesthetic management in elective and emergency cases. Our Fellows remain under supervision until the Programme Director and the faculties judge that the Fellow in independent manner. Furthermore, the Fellow should perform TOE exam independently.	Self-studies and mandatory institutional lectures. Mandatory participation in both basic and advanced TOE course. Practice on lung echo in the ICU.	Clinical skills evaluation and feedback. Monthly to quarterly Assessment of the Fellow by Programme Director and faculty.
<b>1. II. Postoperative Care / ICU - Clinical part</b>		
The Fellow after completion of their training should be able to manage cardiothoracic pts during the perioperative period. Furthermore, they should be familiar with mechanical support such as ECMO, VADS, ... Our hospital is a reference center regarding ECMO. In addition, they should acquire knowledge regarding enteral and parenteral nutrition, and renal replacement procedures will be mastered on his/her own.	Direct supervision in ICU. Mandatory participation in basic and advanced TOE Course.	Clinical skills evaluation and feedback. Obligatory participation in National Accreditation TOE Exams (will be launched soon).
Fellows should be able to perform a detailed TOE and recognize the existence of pathology informing the surgeon of extra findings. Also the fellow should be able to inform the surgeon whether the surgical results do not anticipate the planned	Mandatory participation in both basic and advanced TOE course Daily routine in OR Daily supervision	Clinical skills evaluation and feedback clinical skills evaluation and feedback
<b>1. VIII. Extracorporeal perfusion management</b>		
The fellows ought to know the basic principles of the handling of ECC and to be able to co-operate with the technicians during the weaning of CPB. Furthermore should become familiar with special forms of CPB such as selective cerebral perfusion during deep hypothermic circulatory arrest, as well as retrograde aortic perfusion	Self-studies and mandatory institutional lectures Daily routine in OR Direct supervision in OR	Clinical skills evaluation and feedback Monthly to quarterly assessments of the fellow by program director and faculties

Medical Knowledge

Fellows are encouraged to actively participate in the weekly training sessions. They are also encouraged to present their own research results at national and international congresses. Fellows who completed the Fellowship participated in a webinar on the hot topic of pulmonary hypertension organized under the auspices of EACTA. The evaluation by the attendees was excellent. The overall performance of the Fellow is discussed with the Programme Director and it is reflected in the quarterly evaluation.

Area of Knowledge	Settings/ Activities	Assessment Method(s)
<b>1. Basic Training</b>		
<b>1.1. General patient assessment and risk estimation (Level A)</b>		
Physiology of the heart, the circulatory system and the respiratory system. Basic knowledge of embryological development of cardiac, thoracic and vascular structures.	Self-studies and mandatory institutional lectures.	Assessment during the OR.
Pre-operative invasive and non-invasive assessment of cardiac diseases and interpretation of results including electrocardiogram (ECG), chest X-ray, echo-cardiography, cardiac stress testing, coronary angiography, cardiac magnetic resonance imaging (dMRI), and computer tomography (CT).	Participation in the weekly interdisciplinary conference during which all cases of the following week are discussed in detail and Fellows have the opportunity to participate. Also, in their daily routine in the pre-operative evaluation they go through the patient medical file and diagnostic tests.	DOPS
Pre-operative pulmonary evaluation and interpretation of the results, including arterial blood gas and acid-base analysis, pulmonary function tests, oximetry and thoracic imaging.	As above	Evaluation during the weekly conference upon patient evaluation.
Patient information and informed consent including medico-legal aspects, appraisal of discernment and consent capacity.	Fellows provide all necessary information to the patient and the consent form. They encourage patients to voice their questions. Fellows explain in a manner that helps patients understand.	DOPS
Principles of risk and outcome assessment and relevant scoring systems (e.g., EuroSCORE).	Participation in the interdisciplinary weekly conference.	DOPS
<b>1. II. Anesthesia management – cardiac surgery (Level A)</b>		
Knowledge of anesthetic agents and their effects on cardiac function and in patients with cardiac diseases.	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of intraoperative pharmacology and relevant medication, including positive inotropes, chronotropes, vasoconstrictors, vasodilators, and anti-arrhythmic agents.	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of patient blood management, including specific diagnostic tools, application of relevant medication and blood products.	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of basic hemodynamic monitoring and relevant techniques, such as arterial pressure measurement, central venous pressure.	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of relevant neuromonitoring techniques (e.g., processed electro-encephalography (pEEG), near-infrared sonography (NIRS), somato-sensible evoked potentials (SSEP), motor evoked potentials (MEP).	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of conventional cardiopulmonary bypass techniques. Principles of myocardial preservation. Effects of cardiopulmonary bypass on human physiology, organ function, and pharmacology.	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of common procedures in cardiac surgery, such as coronary artery bypass grafting (CABG).	Self-studies and mandatory institutional lectures.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>1. III. Anesthesia management – thoracic surgery (Level A)</b>		
Principles of pulmonary evaluation as described previously, and basic knowledge in the interpretation of results from pulmonary function tests, lung perfusion testing and CT.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of the bronchial anatomy.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge about relevant anesthetic agents and their effects in patients with lung diseases.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of intraoperative pharmacology and relevant medication, including bronchodilators and steroids.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of common procedures in thoracic surgery (mediastinoscopy, video-assisted thoracoscopic surgery (VATS), open lung resection, pneumonectomy).	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of endoscopic pulmonary procedures, such as bronchial stenting and endoscopic lung volume reduction (ELVR).	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>1. IV. Anesthesia management – major vascular surgery (Level A)</b>		
Knowledge of peri-operative management for vascular patients undergoing vascular interventions, including anesthetic choices, perioperative monitoring, and risk identification.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of the peri-operative management of lumbar drainage for aortic interventional procedures.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of spinal cord protection during surgical and interventional aortic procedures.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Basic principles of neuromonitoring.	Self-studies and mandatory institutional lectures	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>1. V. Post-operative care/ Critical care (Level A)</b>		

Scoring systems in the ICU (e.g. the Sequential Organ Failure Assessment (SOFA), the Simplified Acute Physiology Score (SAPS), the Confusion Assessment Method (CAM)-ICU).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Etiology, pathophysiology, diagnosis and treatment plans / bundles according to international standards for specific critical conditions in cardiothoracic and vascular surgery patients.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Circulatory failure (heart failure, shock, cardiorespiratory arrest, cardiac arrhythmias, ischemic heart disease, pulmonary embolism, bleeding complications, vasoplegia).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Anaphylaxis.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Respiratory failure, including adult respiratory distress syndrome (ARDS), pulmonary edema, pneumothorax, pneumonia.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Acute kidney injury and failure.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Gastrointestinal failure, peritonitis, pancreatitis, liver failure, non-occlusive mesenteric ischemia (NOMI).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Neurological failure (delirium and coma, cerebral ischemia and bleeding).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Airway and chest injuries.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Aortic injuries.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Infectious diseases (systemic inflammatory response syndrome (SIRS) and sepsis, including sepsis bundle strategy).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Coagulation disorders (disseminated intravascular coagulopathy (DIC), heparin resistance, heparin-induced thrombocytopenia, severe bleeding, transfusion reaction).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Equipment and apparatus (equipment design, physics, standards, limitations; e.g. non-invasive and invasive postoperative ventilation, continuous renal replacement therapy devices, non-invasive and invasive hemodynamic monitoring).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Indication, contraindication, drug selection, complications: sedation, anesthesia, analgesia, neuromuscular relaxation, nutrition.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Multimodal and pre-emptive analgesia concepts.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Weaning and extubation criteria.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Transfer and discharge criteria.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Indications for and application of extracorporeal circulation in intensive care patients for cardiac and / or respiratory support (e.g., ECMO).	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>1. VI. Basic peri-operative echocardiography (Level A)</b>		
Principles of basic theory of peri-operative cardiac echocardiography according to the European Association of Cardiovascular Imaging (EACVI) / EACTAIC process of certification for TEE.	Participation in perioperative ECHO Course and in daily routine in the OR, in the ICU or in the ECHO lab.	Clinical skills and evaluation. Obligatory participation in National Accreditation TOE Exams (will be launched soon).
<b>1. VII. Anesthesia management – interventional procedures in cardiology (Level A)</b>		
Basic principles of common procedures in interventional cardiology, such as coronary angiography, ablation, transcatheter aortic valve replacement (TAVR), and mitral / tricuspid clipping with relevant complications.	Self-studies and mandatory institutional lectures. Bed-side teaching in Cath Lab/OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Procedural sedation guidelines from the European Board of Anaesthesiology (EBA)/ European Society of Anaesthesiology (ESA).	Self-studies and mandatory institutional lectures. Bed-side teaching in Cath Lab/OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Monitoring and capnography use according to the safety recommendations from EBA.	Self-studies and mandatory institutional lectures. Bed-side teaching in Cath Lab/OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>1. VIII. Extracorporeal perfusion management (Level A)</b>		
Basic principles of extracorporeal perfusion.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Types of extracorporeal circuits, e.g., cardiopulmonary bypass (CPB), extracorporeal membrane oxygenation (ECMO).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Types, composition and mechanisms of cardioplegic solutions.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.

Cardioprotective measures.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Safety recommendations for extracorporeal circulation from the European Board of Cardiovascular Perfusion (EBCP).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2. Advanced training</b>		
<b>2. I. Anesthesia management – cardiac surgery (Level A)</b>		
Principles of advanced hemodynamic monitoring and relevant techniques, such as use of the pulmonary artery catheter, continuous cardiac output monitoring and measurement.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of modified cardiopulmonary bypass (minimized CPB, left-heart CPB) and the off-pump revascularization technique.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of advanced procedures in cardiac surgery and clinical management of affected patients (valve surgery and thoracic aortic surgery, including ascending, transverse, and descending aortic surgery with circulatory arrest).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles and state of the art of mechanical support including intra-aortic balloon pumps, and extracorporeal membrane oxygenation.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Current state of temporary and long-term mechanical circulatory support (ventricular assist devices, total artificial hearts).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of use of inhaled pulmonary vasodilators (nitric oxide (NO), prostaglandins).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of fast-track surgery.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2.II. Anesthesia management – thoracic surgery (Level A)</b>		
Principles of common procedures in thoracic surgery (open and thoracoscopic lung resections, robotic lung resection, lung volume reduction surgery, mediastinoscopy, pneumonectomy).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of diagnostic and interventional bronchoscopic surgery (lung volume reduction, bronchopulmonary lavage; endoscopic, rigid fiber optic and laser resection; bronchial stenting and sealing).	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Principles of peri-operative management of esophageal surgery for varices, neoplastic, colon interposition, foreign body, stricture, and tracheoesophageal fistula.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2. III. Anesthesia management – major vascular surgery (Level A)</b>		
Knowledge of perioperative management of TEVAR and EVAR.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of the principles of perioperative management of lumbar drainage for aortic interventional procedures.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Excellent knowledge of the principles of spinal cord protection during surgical and interventional aortic procedures.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Excellent knowledge of the principles of cerebral function monitoring.	Self-studies and mandatory institutional lectures. Bed-side teaching in OR.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2. IV. Post-operative management/ Critical care (Level A)</b>		
Knowledge of cardiac and thoracic physiology.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Postoperative cardiac critical care, including analgesia, sedation and ventilation.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Postoperative care and analgesia after thoracic surgery.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
An understanding of the management of cardiac pacing modes.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
An understanding of extracorporeal membrane oxygenation and other devices used for mechanical circulatory support.	Self-studies and mandatory institutional lectures. Bed-side teaching in ICU.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2. VII. Advanced perioperative echocardiography (Level A)</b>		
Advanced level of knowledge in peri-operative cardiac echocardiography according to the EACVI/ EACTAIC process of certification guidelines.	Self-studies, intraoperative and postoperative TEE/TTE bed-side training in OR & at the ICU.	Clinical skills and evaluation. Obligatory participation in National Accreditation TOE Exams (will be launched soon).
<b>2. VIII. Heart and/or lung transplantation (Level A)</b>		

Understanding of the physiology and clinical presentations of end-stage heart and lung disease and surgical options for their management.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of the principles of heart transplantation and clinical management of affected patients.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of current limitations of organ transplantation and efforts to increase the suitable donor pool.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of the multidisciplinary nature of patient evaluation and listing for transplantation.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of the principles of donor optimization, management and allograft retrieval.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of the principles of ex-vivo heart and lung perfusion.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of the physiology of the denervated organ.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of the surgical conduct of heart transplantation and knowledge of intra-operative and immediate postoperative care, including stability of induction, ventilation, oxygenation, hemodynamic support, and allograft and noncardiac organ protection.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of primary graft dysfunction and indications for mechanical circulatory support.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of the surgical options for lung transplantation, including minimally invasive lung transplantation and various intraoperative extracorporeal support mechanisms.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of intra-operative and immediate postoperative care, including protective ventilation, oxygen delivery, hemodynamic support, indications for inhaled NO and other pulmonary vasodilators, allograft and non-pulmonary organ protection.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Knowledge of the principles of primary lung dysfunction and conservative and extracorporeal treatment options, including indications for and techniques of ECMO.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
Understanding of immunosuppressive regimens and the role of postoperative infections and sepsis.	Participation in heart and/or lung transplantations. Bed-side clinical teaching and self-study.	Clinical evaluation and feedback. Bi-monthly and quarterly assessment by the Programme Director and Faculty.
<b>2. IX. Research module (Level A)</b>		
Principles of clinical trials, including design, end points, inclusion / exclusion criteria, reporting requirements.	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Understanding of Good Clinical Practice (GCP) requirements for clinical research involving patients.	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Understanding of European and specific national ethics frameworks, including research ethics applications, clinical regulatory frameworks and hospital site-specific assessment.	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Principles of sample size and study power determinations and basic statistical evaluation	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Principles of patient and data confidentiality agreements.	Lecture by the DPO of the hospital. Self-study of relevant material.	One-to-one examination between Fellow and Faculty member.
Understanding tools for data collection, analysis and reporting.	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Principal international basic science priorities in the field of cardiac anaesthesia.	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Ethics and practicalities of biological sample collection, storage and biobanking	Self-studies and mandatory institutional lectures	One-to-one examination between Fellow and Faculty member.
Principles and ethics of scientific publishing.	Self-studies and tutoring by Faculty member.	One-to-one examination between Fellow and Faculty member.

## 12. Assessment

The Programme Director will evaluate each fellow every 3 months as per EACTAIC regulations  
[https://www.eactaic.org/wp-content/uploads/2020/11/EACTA-Three-Monthly-Evaluation\\_09.11.2020.pdf](https://www.eactaic.org/wp-content/uploads/2020/11/EACTA-Three-Monthly-Evaluation_09.11.2020.pdf)

Yes

Assessment tools



360-degree evaluations  
 Personal reports from the faculty  
 Learning goals for the next three months  
 A logbook will be available

Yes
Yes
Yes
Yes

Clinical skills evaluations  
 Self-assessment by Fellow  
 Feedback from Fellows  
 Reports of Evaluation will be available

Yes
Yes
Yes
Yes

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

The Programme Director will give an appraisal for each fellow every 3 months  
 The faculty and trainee should agree a joint evaluation both fellow's progress and the training programme, and devise a plan for addressing any perceived difficulties or deficiencies.

Training programmes should encourage fellows to provide a written confidential evaluation of the programme.

External evaluation / assessment will be held as per EACTAIC regulations

The centre will be able to maintain a register of those fellows who have entered and successfully completed a training programme in order to continue its accreditation as a training centre

There will be regular opportunities for Fellows to provide confidential written evaluations of the faculty and program to the EACTAIC Education Chair

Periodic evaluation of patient care (quality assurance) is mandatory. Subspecialty trainees in cardiac, thoracic, and vascular anesthesia will be involved in continuing quality improvement and risk management.

Trainees in cardiac, thoracic and vascular anesthesia will actively participate in the periodic evaluation and reassessment of the Fellowship training goals and objectives

Should unforeseen circumstances arise such as personal conflict between a Fellows and tutors, this should be reported immediately to the Chair of the Education Committee.

At the end of the training period, the centre would acknowledge in writing successful completion of a fellow training.

### 13. Practice-based Learning and Improvement

1. Briefly describe the main learning activities regarding non-clinical skills and their assessment during the fellowship

There is one-to-one training at the end of each operation between Faculty and Fellow. Management of arising problems during the operation is thoroughly discussed and whether management has a solid theoretical basis.

2. Briefly describe one planned learning activity in which fellows engage to: identify strengths, deficiencies, and limits in their knowledge and expertise (self-reflection and self-assessment); set learning and improvement goals; and identify and perform appropriate learning activities to achieve self-identified goals (life-long learning).

According to our educational programme, Fellows are gradually introduced in progressively more difficult cases.

The Fellow's progress is assessed by the Faculty. Furthermore, Fellows and Faculty agree on a plan for the Fellow to overcome their deficiencies and achieve their goals.

Fellows benefit from the standardised Protocols of Quality of Care and standardised Regulations and Procedures in place which have set a benchmark of quality of care.

3. Briefly describe one planned quality improvement activity or project that will allow the fellows to demonstrate an ability to analyse, improve and change practice or patient care. Describe planning, implementation, evaluation and provisions of faculty support and supervision that will guide this process.

Performance of TEE intraoperatively. Fellows are gradually introduced to achieving proper views, acquiring correct measurements and finally completing the whole TEE report by themselves.

The process is continuously supervised and evaluated by the accredited TEE Faculty members.

The Programme Director will give an appraisal for each fellow every 3 months

A routine discussion at the end of the day between the Fellow and a Faculty Member upon the management of the case helps the Fellow to better understand the appropriate management of demanding cases.

Also, it is mandatory for Fellows to participate in grand rounds and conferences.

5. Briefly describe one example of a learning activity in which fellows engage to develop the skills needed to use information technology to locate, appraise, and assimilate evidence from scientific studies and apply it to their patients' health problems. The description should include:

Fellows are actively encouraged to attend webinars, master classes, seminars & congresses.

They are especially encouraged and supported to make poster and/or oral presentations and lectures.

6. Briefly describe how fellows will participate in the education of patients, families, students, fellows, and other health professionals.

In their daily routine, Fellows communicate with patients, families, and other health professionals.

They also participate actively in the training programme of resident anesthesiologists.

### 14. Interpersonal and Communication Skills

1. Briefly describe one learning activity in which fellows demonstrate competence in communicating effectively with patients and families across a broad range of socioeconomic and cultural backgrounds, and with physicians, other health professionals, and health-related agencies.

During the pre-anesthetic visit, the Fellow should take the patient history and should inform the patient and their relatives about the type of operation, the risks, and the outcome in detail.

After the initial induction period in which a Fellow shadows a Consultant, Fellows carry out the pre-anesthetic screening independently with the support of a Faculty member if needed.

2. Briefly describe one learning activity in which fellows demonstrate their skills and habits to work effectively as members or leaders of a health care team or other professional group. In the example, identify the members of the team, responsibilities of the team members, and how team members communicate to accomplish responsibilities.

In our department, we encourage Fellows to be team players and to lead a team. The education office organizes lessons on this subject.

4. Briefly describe how fellows will be provided with opportunities to maintain comprehensive, timely, and legible medical records, if applicable

The anesthetic records are electronic and our Fellows have access to patient records with their own codes.

Fellows are responsible for entering data to the electronic medical record. In the OR, fill the electronic diagram (DIAN).

5. Briefly describe how fellows will maintain a comprehensive anaesthesia record for each patient, including evidence of pre- and post-operative anaesthesia assessment, an ongoing reflection of the drugs administered, the monitoring employed, the techniques used, the physiologic variations observed, the therapy provided as required, and the fluids administered.

Fellows are trained in the electronic medical record parameters and the OR and ICU electronic diagram (DIAN).

It is their responsibility to handle patient anaesthesia records in the OR and the ICU.

In the near future, our hospital will be fully digitized and will be a "paperless hospital".

6. Briefly describe how fellows will create and sustain a therapeutic relationship with patients, engage in active listening, provide information using appropriate language, ask clear questions, provide an opportunity for comments and questions, and demonstrate sensitivity and responsiveness to cultural differences, including awareness of their own and their patients' cultural perspectives.

Fellows are taught and monitored by Faculty members in order to develop a therapeutic relationship with patients.

They are encouraged to become active listeners since they have ample communication opportunities with patients.

They are strongly supported to offer patients opportunities for Q & A. They also become aware of the need to respect cultural differences.

#### 15. Professionalism

Briefly describe the learning activity(ies), other than lecture, by which fellows demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles, including: compassion, integrity, and respect for others; responsiveness to patient needs that supersedes self-interest; respect for patient privacy and autonomy; accountability to patients, society, and the profession; and sensitivity and responsiveness to a diverse patient population, including to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation

Fellows are taught by guidance on how to address all these issues. Faculty members are open for discussion with Fellows on any questions they may have and provide advice.

#### 15. Systems-based Practice

1. Describe the learning activity(ies) through which fellows achieve competence in the elements or systems-based practice: working effectively in various health care delivery settings and systems, coordinating patient care within the health care system; incorporating considerations of cost-containment and risk-benefit analysis in patient care; advocating for quality patient care and optimal patient care systems; and working in inter-professional teams to enhance patient safety and care quality

Fellows are taught to implement the international guidelines and there is one-to-one discussion with a Faculty member.

They prepare a case study and present it in a departmental conference.

Also, Fellows are invited to participate to the annual internal quality system audit so that they become acquainted with quality parameters of health care services.

#### 16. EACTAIC Site Visit (for 1-day)

Dates proposed for the visit (at least 3)

24/11/2021

or

or

I hereby accept the regulations of the Hospital Visiting especially to take in charge the travel costs and the hotel accommodation of the 2 reviewers on the most reasonable base

Yes

To be completed by the Head of department or the authorised deputy.

Please fill in all required fields and send to eactaic@aimgroup.eu and EACTAIC Education Chair



European Association of  
Cardiothoracic Anaesthesiology  
and Intensive Care

<b>Institution Name</b>	ONASSIS CARDIAC SURGERY CENTER
<b>Address</b>	356, Sygrou Avenue, 176 74 Kallithea, Athens, Greece

**Preferred Duration** | 12 months

**Type of fellowship training available:**

<input type="checkbox"/>	Clinical only
X	Clinical / Basic Research
<input type="checkbox"/>	Clinical / Clinical Research
<input type="checkbox"/>	Basic Research only
<input type="checkbox"/>	+Clinical Research only

**Financial Statement**

\*\* The financial sources policy should be declared by the host centre.

\*\* There should be a clear consensus between the host centre and the trainee about the financial statement before joining the programme.

An employment contract will be signed with the candidate

Yes  No

Accommodation options are provided

Yes  No

Transportation/travel options are provided

Yes  No

Monthly Salary: Amount

min. 2050

Currency

Euro

The centre does not fund this opportunity

Yes  No

Source of financial support for the candidate:

- Host centre (monthly salary)
- Candidate's centre
- Scholarship
- Educational grant
- Award
- Candidate's expenses

Click here to enter text.

- Others  
Please, describe

**Programme Training and facilities of the host centre**

1. The fellow should be authorized to provide direct patient care during their training programme under the supervision of the programme director and faculty's members, "i.e. hands-on practice."	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Declaration of financial recourses and signed agreement between the host centre and trainee.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Uninterrupted training for 12months.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. The head of the department or other advisory authority should approve the programme.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. The programme director should attain sufficient time to do his responsibilities.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

EACTAIC Executive Office c/o AIM Italy Sri

Via Flaminia 1068. 00189 Rome (Italy) - Phone: +39 06 33053.319 - [eactaic@aimgroup.eu](mailto:eactaic@aimgroup.eu)

If yes, please define

Click here to enter

2 hours per day 5

10% of working

5 days per week



Click here to enter

<b>6.</b>	At least two faculty members should be involved.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>7.</b>	Evaluation should be done every four months.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>8.</b>	A portfolio/logbook will be performed monthly and signed by the programme director	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.</b>	The hosting centres should have:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.1</b>	Available adult ward beds for cardiothoracic and vascular patients.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.2</b>	Available PICU beds dedicated to cardiothoracic and vascular patients	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.3</b>	Is there an emergency department in which cardiothoracic patients are managed 24 hours a day?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.4</b>	Are adult patients with CHD managed in the host centre?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.5</b>	Is there monitoring and advanced life support equipment representative of current levels of technology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.6</b>	Available an outpatient Clinic for perioperative evaluation of patients undergoing cardiothoracic and vascular procedures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.7</b>	24-hours acute pain service available for patients undergoing different procedures	Yes <input type="checkbox"/> + No
<b>9.8</b>	Available Meeting Rooms	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.9</b>	Available classrooms with visual and other educational aids	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.10</b>	Available study areas for fellows	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>9.11</b>	The volume of cases. *	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.1</b> Minimum of 100 adult cardiac surgery per calendar year. (The majority with using the CPB)	
	<b>9.5.2</b> Minimum of 50 cardiac interventional procedures.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.3</b> Minimum 25 thoracic cases. .	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.4</b> Minimum 25 vascular cases.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.5</b> Available simultaneous management of paediatrics with congenital heart disease (CHD).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.6</b> Accessibility for training in the electrophysiology procedures on adult patients.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.7</b> Accessibility for training in the dedicated adults intensive care unit for one month.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<b>9.5.8</b> Accessibility for training on the Extracorporeal perfusion or ECLS technology (CPB, ECMO)	
	<b>9.5.9</b> Accessibility for training on the basic and/or clinical research	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**Decision**

Approve

Reject

**Conditions**

Yes

No

Click here to enter text.

**If yes, please define**

[Submit](#)

Please fill in all required fields and send them to [eactaic@mci-group.com](mailto:eactaic@mci-group.com)

**EACTAIC Executive Office c/o AIM Italy Sri**

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20 September 2022

**Professor Mohamed El Tahan**

Dear Professor El Tahan,

I am delighted with the Anaesthesiology Department being able to apply for the reaccreditation to host the adult Cardiothoracic and Vascular Anaesthesia Programme. Since 2018, the Onassis Cardiac Surgery Center (OCSC) has hosted the Basic Fellowship Programme in Cardiothoracic and Vascular Anaesthesia. So far, six (6) Fellows have graduated and two (2) more Fellows will graduate shortly.

As Head of the Anaesthesiology Department and as Chief of the Medical Staff of the OCSC, I am writing to kindly apply for the re-accreditation of our Centre to host the EACTAIC Fellowship Programme for another four (4) years.

Because of the reaccreditation process, I deem it appropriate to mention our strong points:

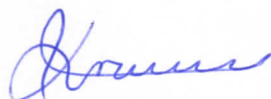
- ✓ Our hospital has an output of more than 1800 cases per year on average.
- ✓ OCSC has been successfully running the national programme of lung and heart transplantations.
- ✓ By being the biggest cardiothoracic centre in the Greece, it is presented with a great diversity of cardiothoracic cases.
- ✓ Our Fellows have acquired experience in contemporary and rare invasive procedures in the Cardiology Lab as well.
- ✓ Our CTVAIC Programme has great reviews by past Fellows and has been characterised as being very well-structured giving them an excellent opportunity to become experts in the field of cardiac anaesthesia.
- ✓ Past Fellows participated in the EACTAIC Fellowship Seminar "Pulmonary Hypertension: Cardiac and non-Cardiac Surgery" organized in cooperation with OCSC with exceptional reviews.

Referring to the last version of White Paper, I declare that both I and the other faculty members will dedicate sufficient time (minimum of 10% of working time) to attend to our responsibilities within the Fellowship Programme. Prior Fellows who have become

Consultant Anaesthesiologists at the OCSC and are also Faculty members are EACVI accredited.

Thanks to EACTAIC and your outstanding work, we have had the opportunity to train young Anaesthesiologists in the subspecialty of cardiac anaesthesia offering high quality services to European citizens.

Sincerely yours,



Theofani Antoniou, M.D., Ph.D.  
Director, Medical Services  
Coordinator Director, Anaesthesiology Department



19 September 2022


**Professor Mohamed El Tahan**  
**European Association of Cardiothoracic Anaesthesiology**  
**and Intensive Care (EACTAIC) Education Chair**

Dear Professor El Tahan,

We would hereby like to apply to the EACTAIC Educational Committee for reaccreditation of the Onassis Cardiac Surgery Center (OCSC) as a Center for Basic and Advanced Anaesthesia Fellowship. OCSC is the leading tertiary center in Greece which offers complete diagnostic and treatment services to patients with cardiothoracic & vascular diseases. We have successfully run the Fellowship Programme for the last four (4) years as assessment results have shown. Our six (6) Fellows have been trained in cardiac anaesthesia and perioperative echocardiography and have become experts in the field of cardiac anaesthesia in reputed centers of cardiac surgery in Greece and abroad.

We also confirm that OCSC management and the Head of the Anaesthesiology Department, have agreed on Faculty Members to dedicate minimum of 10% of weekly working time for training the trainees in the Fellowship Training Programme.

Sincerely yours,



Panagiotis Minogiannis, MPH, Ph.D.  
General Manager



Theofani Antoniou, M.D., Ph.D.  
Director, Medical Services  
Coordinator Director, Anaesthesiology  
Department

<div style="border: 1px solid black; padding: 2px; transform: rotate(-45deg); display: inline-block;">Day of the week</div> <b>Operation area</b>	Monday	Tuesday	Wednesday	Thursday	Friday
<b>OR1</b>	Conventional coronary bypass and valve surgery	Conventional coronary bypass and valve surgery	Conventional coronary bypass and valve surgery	Conventional coronary bypass and valve surgery	Conventional coronary bypass and valve surgery
<b>OR2</b>	Off-pump, repair MV	GUCH	Heart valve surgery	Heart valve surgery	LVAD
<b>OR3</b>	Echo lab	Echo lab	Echo lab	Heart valve surgery	Heart valve surgery
<div style="border: 1px solid black; padding: 2px; transform: rotate(-45deg); display: inline-block;">Others</div> <b>Hybrid</b>	Grand rounds  Minimally invasive	Lectures  TAVI, Mitral Clip, Tri Clip	Lectures  Pulmonary Valve replacement  ASD closure	TAVI, Mitral Clip, Tri Clip	TAVI, Mitral Clip, Tri Clip
<b>ICU</b>	ICU round	ICU round	ICU round	ICU round	ICU round



## Documents

Export Date: 13 Sep 2022

Search: AU-ID("Antoniou, Theofani A." 8632437100) AND ( LIMIT-TO ( P...

- 1) Erdoes, G., Wouters, P.F., Alston, R.P., Schreiber, J.-U., Bettex, D., Antoniou, T., Benedetto, M., Bouchez, S., Szegedi, L., Wilkinson, K., Landoni, G., Treskatsch, S., Matute, P., von Dossow, V., Van Beersel, D., Unic-Stojanovic, D., Momeni, M., Gaudard, P., Szekely, A., Burtin, P., Flo-Forner, A., Neto, C.N., Fassl, J., Granell, M., Erb, J.M., Navarro-Ripoll, R., Vives, M., Fetouh, F.A., Howell, S.J., Marczin, N., Martinez, A.H., Vuylsteke, A., El-Ashmawi, H., de Arroyabe, B.M.L., Mukherjee, C., Rex, S., Paternoster, G., Guarracino, F., El-Tahan, M.R.

[European Association of Cardiothoracic Anesthesiology and Intensive Care \(EACTAIC\) Fellowship Curriculum: Second Edition](#)

(2022) *Journal of Cardiothoracic and Vascular Anesthesia*, 36 (9), pp. 3483-3500.

- 1) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132868356&doi=10.1053%2fj.jvca.2022.05.022&partnerID=40&md5=9>  
DOI: 10.1053/j.jvca.2022.05.022

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 2) El-Tahan, M.R., Erdoes, G., van der Maaten, J., Wilkinson, K., Kousi, T., Antoniou, T., von Dossow, V., Neto, C.N., Schindler, E., Székely, A., Forner, A.F., Wouters, P.F., Guarracino, F., Burtin, P., Unic-Stojanovic, D., Schreiber, J.-U., Matute, P., Aboulfetouh, F., Navarro-Ripoll, R., Fassl, J., Bettex, D., Benedetto, M., Szegedi, L., Alston, R.P., Landoni, G., Granell, M., Gaudard, P., Treskatsch, S., Van Beersel, D., Vuylsteke, A., Howell, S., Janai, A.R., Martinez, A.H., Erb, J.M., Vives, M., El-Ashmawi, H., Rex, S., Mukherjee, C., Paternoster, G., Momeni, M.

[European Association of Cardiothoracic Anesthesiology and Intensive Care Pediatric Cardiac Anesthesia Fellowship Curriculum: First Edition](#)

(2022) *Journal of Cardiothoracic and Vascular Anesthesia*, 36 (3), pp. 645-653. Cited 2 times.

- 2) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114463746&doi=10.1053%2fj.jvca.2021.08.009&partnerID=40&md5=3>  
DOI: 10.1053/j.jvca.2021.08.009

Document Type: Article

Publication Stage: Final

Source: Scopus

- 3) Nepogodiev, D., Simoes, J.F.F., Li, E., Picciochi, M., Glasbey, J.C., Baiocchi, G., Blanco-Colino, R., Chaudhry, D., AlAmeer, E., El-Boghdady, K., Wuraola, F., Ghosh, D., Gujjuri, R.R., Harrison, E.M., Lule, H., Kaafarani, H., Khosravi, M., Kronberger, I., Leventoglu, S., Mann, H., Mclean, K.A., Mengesha, M.G., Modolo, M.M., Ntiringanya, F., Norman, L., Outani, O., Pius, R., Pockney, P.,

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