

Organised by:

Paediatric and Adult Congenital Heart Disease and Cardiac Surgery Department

5th International Forum in Paediatric and Adult Congenital Cardiology and Cardiac Surgery

 **VIRTUAL**
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the Forum click on
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10 - 11 April 2021
Free Attendance

Saturday 10 April 2021 09:00 am

Sunday 11 April 2021 09:00 am

The meeting will be awarded
with 10 credits of continuing
medical education (CME)

UNDER THE AUSPICES





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**Βοηθήστε να γίνουν τα φάρμακα πιο ασφαλή και
Αναφέρετε
ΟΛΕΣ τις ανεπιθύμητες ενέργειες για
ΟΛΑ τα φάρμακα
Συμπληρώνοντας την «ΚΙΤΡΙΝΗ ΚΑΡΤΑ»**

Αγαπητοί/ες Συνάδελφοι,

Εκ μέρους της Οργανωτικής και Επιστημονικής Επιτροπής σας προσκαλούμε με ιδιαίτερη χαρά στο **5ο Διεθνές Συνέδριο Συνέδριο Καρδιολογίας & Καρδιοχειρουργικής Παιδών & Ενηλίκων Συγγενών Καρδιοπαθειών** που θα διεξαχθεί στις 10 - 11 Απριλίου 2021.

Οι εξελίξεις των τελευταίων ετών στην Καρδιολογία και την Καρδιοχειρουργική Συγγενών Καρδιοπαθειών Παιδών & Ενηλίκων είναι συνεχείς και οι επιστημονικές προκλήσεις για όλους μας ακόμα μεγαλύτερες.

Το πρόγραμμα του Συνεδρίου μας φέτος θα είναι καινοτόμο. Στα πλαίσια του θα παρουσιαστούν και θα αναλυθούν θέματα Εμβρυικής & Νεογνικής Καρδιολογίας, Καρδιοαναισθησιολογίας & Εντατικολογίας αλλά και όλες οι καινούριες εξελίξεις στην αντιμετώπιση των Συγγενών Καρδιοπαθειών.

Οι ομιλητές μας, καταξιωμένοι και διεθνούς κύρους Έλληνες και επίτιμοι καλεσμένοι από το εξωτερικό, θα καλύψουν όλες τις μείζονες επιστημονικές καρδιολογικές και καρδιοχειρουργικές εξελίξεις και θα διασφαλίσουν ένα υψηλού επιπέδου επιστημονικό γεγονός.

Φέτος και λόγω των συνθηκών για την αντιμετώπιση της πανδημίας Covid-19, η διεξαγωγή του συνεδρίου θα γίνει διαδικτυακά και σε απευθείας μετάδοση.

Με την βεβαιότητα ότι η ενεργή συμμετοχή σας αποτελεί την βασικότερη εγγύηση για την επιτυχία του Συνεδρίου σας προσκαλούμε για ένα πολύ σημαντικό και εποικοδομητικό διήμερο ανταλλαγής επιστημονικών γνώσεων, εμπειριών και καινοτόμων εξελίξεων.

Με Συναδελφικούς Χαιρετισμούς

Οι Πρόεδροι του Συνεδρίου



**Φώτιος Α. Μητρόπουλος,
MD, PhD**

Καρδιοχειρουργός, Διευθυντής
Καρδιοχειρουργικής Παιδών και Ενηλίκων
Συγγενών Καρδιοπαθειών, ΜΗΤΕΡΑ



**Αφροδίτη Τζίφα,
MD, PhD, FRCPCH**

Διευθύντρια Κλινικής Παιδοκαρδιολογίας
και Συγγενών Καρδιοπαθειών Ενηλίκων
ΜΗΤΕΡΑ – ΥΓΕΙΑ, Hon. Clinical Senior
Lecturer, King's College London



WELCOME

Dear Colleagues,

On behalf of the Organizing and Scientific Committee it is our great pleasure to invite you to the **5th International Forum of Cardiology & Cardiac Surgery Paediatric & Adult Congenital Heart Diseases** which will be held on 10-11 April 2021.

During the last years, the developments in Cardiology and Cardiac Surgery of Congenital Heart Disease are ongoing and rapidly developing with a plethora of scientific and technical challenges. To this end, we have created an innovative and inclusive program of this year's Forum dealing with scientific issues on Fetal & Neonatal Cardiology, cardiac Anaesthesia, & Intensive Care as well as Surgical and Cardiac Interventions. New developments in Congenital Heart Disease will be analysed by a panel of experts from Greece and abroad, who will cover all the major scientific cardiac & surgical developments and will ensure the highest level of a scientific event.

This year, due to the conditions for dealing with the Covid-19 pandemic, the conference will be held online and live. For this reason, but also to maintain the adequate atmosphere of a medical conference, a prestigious online platform has been chosen which will allow the interaction between the speakers and will create the atmosphere of a live conference.

With the certainty that your active participation is the main guarantee for the success of this year's Forum, we invite you for a very important and constructive two-day exchange of scientific knowledge, experiences and innovative medical developments.

With Best Regards

The President of the Forum



**Fotios A. Mitropoulos,
MD, PhD**

Director, MITERA Cardiac Surgery
Department, Scientific Associate,
HYGEIA Hospital

Co-President



**Aphrodite Tzifa,
MD, PhD, FRCPCH**

Director, Paediatric Cardiology and
Adult Congenital Heart Disease
Department, MITERA – HYGEIA Hospital,
Hon. Clinical Senior Lecturer,
King's College London



ORGANIZING & SCIENTIFIC COMMITTEE

Organizing Committee

Aphrodite Tzifa | Director, Consultant Paediatric and GUCH Cardiologist, Mitera Children's Hospital, Athens, Greece | Fellow of the Royal College of Paediatrics, UK, Hon. Clinical Senior Lecturer, King's College London.

Fotios Mitropoulos | Cardiac Surgeon, Paediatric and Adults, Director, Cardiac Surgery Department, Mitera Hospital

Cleo Laskari | Director, Paediatric Echocardiography, Mitera Hospital, Athens, Greece

Areti Komnou | Consultant Paediatric Cardiologist, Mitera Hospital, Athens, Greece

Loria Paphitou | Director, Paediatric ICU, Mitera Hospital, Athens, Greece

Christos Apostolidis | Consultant Anaesthetist, Mitera Hospital, Athens, Greece

Scientific Committee

Aphrodite Tzifa | Director, Consultant Paediatric and GUCH Cardiologist, Mitera Children's Hospital, Athens, Greece, Fellow of the Royal College of Paediatrics, UK, Hon. Clinical Senior Lecturer, King's College London.

Fotios Mitropoulos | Cardiac Surgeon, Paediatric and Adults, Director, Cardiac Surgery Department, Mitera Hospital

Evangelos Karanasios | Director, Paediatric Cardiology Dpt. Aghia Sophia Children's Hospital, ex. President of Hellenic Paediatric Cardiology Association

Georgios Kalavrouziotis | MD, PhD, Consultant Cardio – Thoracic Surgeon, Aghia Sophia Children's Hospital, Athens, Greece, President of Hellenic Paediatric Cardiology Association

Conal Austin | Consultant Cardiothoracic Surgeon, Evelina Children's Hospital, Guy's & St. Thomas Hospital, London

David Anderson | Professor, Cardiac Surgery, Guy's & Thomas' Hospital, London, UK

John Papagiannis | Director, Paediatric Cardiology Dpt. Onassis Cardiac Center, Athens



09:00 – 09:15

Scientific Opening - Greetings
P. Vardas, A. Tzifa, F. Mitropoulos

Session A: Fetal Cardiology

Chairs: P. Antsaklis, G. Papaioannou

09:15 – 09:30

Cardiac detection rate in the 1st trimester: Diagnostic accuracy of the detection rate of fetal cardiac abnormalities

E. Tsapaki

09:30 – 09:45

Fetal arrhythmias

K. Laskari

09:45 – 10:00

Heart failure in the fetus - diagnostic assessment and management

A. Komnou

10:00 – 10:15

Prenatal detection of right aortic arch: Associations and postnatal outcomes

L. Mantagou

10:15 – 10:30

What is troubling the Fetal Specialist during the heart examination

P. Livanos

10:30 – 11:00

Discussion: G. Ioannidis, V. Kellaris, A. Mamopoulos

11:00 – 11:30

Coffee break



Session B : Future Trends in Fetal Cardiology

Chairs: S. Chandakas, G. Farmakides

- 11:30 – 11:50 Fetal thoracic MRI**
G. Papaioannou
- 11:50 – 12:05 New developments in fetal Echo and fetal cardiac MRI**
K. Pushparajah, UK
- 12:05 – 12:20 Fetal cardiac interventions**
Roland Gitter, AT
- 12:20 – 12:45 Discussion: A. Athanasiadis, H. Hiniadis, I. Germanakis**

Session C : Pregnancy and Heart Disease

Chairs: M. Gatzoulis, G. Giannakoulas, J. Papagiannis

- 12:45 – 13:00 Pregnancy with shunt lesions with or without pulmonary hypertension**
D. Ntiloudi
- 13:00 – 13:15 Pregnancy with valvar stenosis**
C. Head
- 13:15 – 13:30 Marfan Syndrome and Pregnancy: Short - and Long - Term Risks**
M. Drakopoulou
- 13:30 – 13:45 Approach to Arrhythmia Management in Pregnancy**
E. Rosenthal
- 13:45 – 14:00 ESC Guidelines in Pregnancy - what is New**
A. Frogoudaki
- 14:00 – 14:30 Discussion: P. Davlouros, K. Vasileiadis, A. Vlachos**



Session D: Neonatal Cardiac disease

09:00 – 09:05 Neonatal Session Introduction
Pr. David Anderson

Chairs: D. Anderson, A. Giannopoulos, A. Tzifa

09:05 – 09:20 What's new in the management of Critical aortic stenosis: transcatheter vs surgical management
K. Mylonas

09:20 – 09:35 Critical pulmonary stenosis with small RV
S. Apostolopoulou

09:35 – 09:50 Complex transcatheter neonatal interventions
G. Butera

09:50 – 10:05 PDA closure in pre term infants
A. Fraisse

10:05 – 10:20 Brain protection and neuro monitoring in neonatal aortic arch surgery
F. Mitropoulos

10:20 – 10:35 Discussion: S. Loukopoulou, G. Papadopoulos, D. Daskalopoulos

Session E: ECMO

Chairs: A. Giannakopoulou, A. Pitsis, A. Tzifa

10:35 – 10:50 A - V ECMO in congenital heart disease
A. Kourtesis

10:50 – 11:05 V - V ECMO for respiratory disease
M. Grigorakou

11:05 – 11:20 ECMO - Cannulation and Complications
Sp. Loggos

11:20 – 11:35 Procedures that can be performed whilst on ECMO
D. Taliotis, Bristol, UK

11:35 – 11:50 Discussion: D. Avramidis, E. Lazaros, A. Rombola

11:50 – 12:05 Coffee break



Session F: Cardiac ICU and Cardiac Anaesthesia

Chairs: F. Ntanou, L. Paphitou, G. Sarris

- 12:05 – 12:20** **Perioperative management in patients with mixed shunt lesions**
E. Grisbolaki
- 12:20 – 12:35** **Post - cardiac bypass inflammatory syndrome**
Ch. Apostolidis
- 12:35 – 12:50** **Postoperative bleeding - management in the Paediatric ICU**
A. Dimolitsa
- 12:50 – 13:05** **Discussion: Ch. Kavouras, A. Rombola**

Session G: New Developments in Congenital Heart Disease

Chairs: D. Iliopoulos, F. Mitropoulos

- 13:05 – 13:20** **Aortic dilation in Congenital Heart Disease**
C. Kotoulas
- 13:20 – 13:35** **ROSS - PEARS, the application of CAD technology to support a free root Ross autograft. Early results**
C. Austin
- 13:35 – 13:50** **Transcatheter closure of sinus venosus defects**
S. Qureshi
- 13:50 – 14:05** **Transcatheter pulmonary valve interventions after bacterial endocarditis**
D. McElhinney
- 14:05 – 14:20** **Discussion: S. Prapas, K. Spargias**
- 14:20** **Closing Remarks**
A. Tzifa



SPEAKERS LIST

David Anderson	Professor of Cardiac Surgery for Children & Adult Congenital Heart Diseases, Evelina Children's Hospital, London, Scientific Associate, MITERA Hospital
Conal Austin	Consultant Cardiothoracic Surgeon at Guy's and St Thomas' NHS Foundation Trust
Gianfranco Butera	Director Interventional Congenital Cardiology, Department of Paediatric and Congenital Cardiology Bambin Gesù Hospital, Rome, Italy
Alain Fraisse	Consultant Paediatric Cardiologist, Royal Brompton and Harefield Hospitals Trust, London, UK
Roland Gitter	MD, Director of CathLab Department of Paediatric Cardiology Med Campus IV Kepler University Clinic Linz - Austria
Catherine Head	MA, PhD, FRCP Consultant Cardiologist, Clinical Lead Adult Congenital Heart Disease Service, Cardiology Lead Maternal Cardiology Service, Norfolk and Norwich University Hospital President, UK Maternal Cardiology Society
Doff McElhinney	Professor of Cardiothoracic Surgery, Pediatric Cardiac Surgery and Pediatrics Cardiology, Stanford University, Medical Center
Kuberan Pushparajah	Clinical Senior Lecturer, School of Biomedical Engineering and Imaging Science, King's College London. Honorary Consultant Paediatric Cardiologist, Evelina London Children's Hospital, London
Shakeel Ahmed Qureshi	Consultant Paediatric Cardiologist Evelina London Children's Hospital London, UK
Eric Rosenthal	MD, FRCP Consultant Paediatric and Adult Congenital Cardiologist, Evelina London Children's Hospital, St Thomas' Hospital Lambeth Palace Road London SE1 7EH UK
Panagiotis Antsaklis	Assistant Professor of Obstetrics & Gynecology University of Athens, 1st Department of Obstetrics & Gynecology "Alexandra" Maternity Hospital"
Sotiria Apostolopoulou	Deputy Director, Dept of Paediatric Cardiology & Adult Congenital Heart Disease, Onassis Cardiac Surgery Center
Christos Apostolidis	MD, EDaIC, Consultant Anaesthetist, MITERA Children's Hospital, Athens, Greece
Apostolos Athanasiadis	MD, PhD, Professor in Obstetrics - Gynecology - Maternal Fetal Medicine, Chairman of the 3rd Dpt Ob - Gyn Aristotle University of Thessaloniki, Thessaloniki, Greece
Dimosthenis Avramidis	Electrophysiologist, Director Paediatric Arrhythmiology Department MITERA Children's Hospital
Stefanos Chandakas	Consultant Gynecologist and Minimal Access Reproductive Surgeon, Chairman, Board of Directors MITERA Hospital
Chrysanthi Dimolitsa	MD, MSc, Paediatric Intensivist, PICU MITERA
Dimitris Daskalopoulos	MD, FAAP, FACC, Paediatric Cardiologist
Periklis Davlourous	Professor of Cardiology, Director of Cardiology Department-University Hospital of Patras
Maria Drakopoulou	Consultant Cardiologist, ACHD, First Department of Cardiology, Hippokraton Hospital, Athens, Greece
Georgios Farmakides	MD, Professor of OB/GYN and Maternal Fetal Medicine University of Stony Brook NY



SPEAKERS LIST

Alexandra Frogoudaki	MD, PhD, FESC, Adult Congenital Heart Disease Clinic Second Cardiology Department ATTIKON University Hospital Athens, Greece
Michael Gatzoulis	MD, PhD, FACC, FESC Professor of Cardiology, Congenital Heart Disease and Consultant Cardiologist Adult Congenital Heart Centre for Pulmonary Hypertension Royal Brompton & Harefield NHS Trust, and the National Heart & Lung Institute, Imperial College, London, UK
Ioannis Germanakis	Associate Professor of Paediatrics - Paediatric Cardiology, Faculty of Medicine University of Crete, Greece
George Giannakoulas	Associate Professor in Cardiology and Adult Congenital Heart Disease
Aikaterini Giannakopoulou	Director in the Cardiology Clinic, «Agia Sofia» Children's Hospital, NHS, Athens, Greece Vice President of the Hellenic Society of Paediatric Cardiology
Andreas Giannopoulos	Paediatric Cardiologist, Professor at the Aristotle University of Thessaloniki, Second Paediatric Clinic, AHEPA University Hospital of Thessaloniki
Maria - Anastasia Grigorakou	MD, MSc, Paediatric Intensivist, Cardiac PICU MITERA Hospital
Evangelia Grisbolaki	MD, MSc, Cardiothoracic Surgeon, MITERA Hospital
Harry Hiniadis	Reproductive Gynaecologist, MITERA IVF Unit
Dimitrios Iliopoulos	MD, Cardiac Surgeon Associate Professor of Cardiac Surgery University of Athens Greece, Director of 4th Cardiac Surgery Clinic, HYGEIA Hospital
George Ioannidis	MD, DFFP, BSCCP, Consultant Reproductive Gynaecologist, Scientific Director MITERA IVF Unit MITERA Gynaecological and Maternity Hospital
Charalampos Kavouras	Interventional Cardiologist Specialized in Adult and Paediatric Congenital Heart Disease, MITERA Hospital, Athens, Greece
Vasilios Kellaris	MD, PhD, MSc IVF Specialist, VP of MITERA Hospital
Areti Komnou	Consultant Fetal and Paediatric Cardiologist, MITERA Hospital
Christophoros Kotoulas	Director, Minimal Invasive Cardiac Surgery Dept Metropolitan General, Athens, Greece
Antonios Kourtesis	MD, PhD, FECTS, Head of Cardiothoracic Department AGHIA SOPHIA Children's Hospital of Athens
Cleo Laskari	Paediatric Fetal Cardiologist Director of Echocardiography, Paediatric Cardiology and Adult Congenital Heart Disease Center, MITERA Children's Hospital
Elias Lazaros	E.C.C.P Clinical Perfusionist, MITERA Hospital
Panagiotis Livanos	MD, DipFetMed, Specialist in Fetal Medicine, MITERA Hospital
Spiros Loggos	MD, Congenital Cardiac Surgeon, MITERA Hospital, Athens, Greece
Sofia Loukopoulou	Consultant Paediatric Cardiologist, Department of Cardiology «AGIA SOPHIA» Children's Hospital, Athens, Greece
Apostolos Mamopoulos	Professor of Obstetrics & Gynecology, Medical Department, Aristotle University of Thessaloniki, Greece, President of the Hellenic Society of Maternal Fetal Medicine
Lito Mantagou	Consultant Paediatric and Fetal Cardiologist, Chief of Fetal Cardiology Service Mitera Children's Hospital



SPEAKERS LIST

Fotios Mitropoulos	Cardiac Surgeon, Paediatric & Adults, Director, Cardiac Surgery Department, Mitera Hospital
Konstantinos Mylonas	MD, PhD, Cardiac Surgery Resident, Yale School of Medicine, New Haven, CT, USA
Fotini Ntanou	MD, DESAIC, Fellow of Cardiothoracic Anaesthesia, Director of Anaesthesia Department, Henry Dunant Hospital Center
Despoina Ntiloudi	Research Fellow in AHEPA University Hospital, Cardiology Fellow in Tzaneio Hospital
Georgia Papaioannou	Paediatric Radiologist, Head of Paediatric Radiology, MITEPA Children's Hospital, Athens, Greece
Georgios Papaioannou	MD, PhD, Diploma in Fetal Medicine (UK), Head of the Feto-Maternal Medicine and Fetal Therapy Unit, 3rd Dept of Obs/Gyn, University of Athens, Attikon Hospital, Athens
Gregoria Paphitou	Pediatrician - Paediatric Intensivist Director of Paediatric and Cardiac Intensive Care Unit, MITERA Children's Hospital
Georgios Papadopoulos	Paediatric Cardiologist, ex. Director Paediatric Cardiology Dpt. "AGLAI A KYRIAKOY" Children's Hospital, Athens, Greece
John Papagiannis	Director, Paediatric Cardiology Dpt. Onassis Cardiac Center, Athens, Greece
Antonios Pitsis	PhD, FETCS, FESC, Director of Cardiac Surgery
Sotirios Prapas	MD, FECTS, Director of A' Cardiac Surgery Dpt. HENRY DUNANT Hospital Center
Amalia Rombola	EDIC Cardiologist Intensivist ICU, Director Adult Intensive Care Unit MITERA Hospital
Georgios Sarris	MD, PhD, FACC, FACS, FAHA, FCTS, FETCS, President, European Congenital Heart Surgeons Association President, Congenital Heart Surgery Working Group, Hellenic Society of Thoracic, Cardiac and Vascular Surgeons, Director, Athens Heart Surgery Institute, Chair, 2nd Department for Pediatric and Congenital Heart Surgery at Mitera Children's Hospital Athens, Greece
Konstantinos Spargias	Director, Transcatheter Heart Valves Department, HYGEIA, Hospital
Demetris Taliotis	Consultant in Paediatric and Adult Congenital Heart Disease University Hospitals of Bristol
Elsa Tsapaki	MD, Paediatric and Fetal Cardiologist
Aphrodite Tzifa	Director, Consultant Paediatric and GUCH Cardiologist, MITERA Children's Hospital, Athens, Greece, Fellow of the Royal College of Paediatrics, UK, Hon. Clinical Senior Lecturer, King's College London
Panos Vardas	Professor, MD, PhD (London, UK), Chairman of Heart Sector, HYGEIA Hospitals Group, President of the European Society of Cardiology (2012-2014)
Konstantinos Vasileiadis	MD, PhD, Cardiologist, Paediatric / ACHD, Ex Consultant Cardiologist, «Georgios Papanikolaou» General Hospital, Thessaloniki
Antonios Vlachos	Associate Professor in Paediatric Cardiology, Child Health Department Medical School of University of Ioannina, Greece



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