

CO-ORGANIZED BY



FONDAZIONE  
INTERNAZIONALE  
MENARINI

**PRELIMINARY PROGRAMME**

**13<sup>TH</sup>-14<sup>TH</sup> APRIL, 2023**

**AUDITORIUM AL DUOMO - FLORENCE**



**ADVANCES IN PEDIATRIC HEART FAILURE  
CONGENITAL HEART DISEASE  
AND CARDIOMYOPATHIES**

**FLORENCE ADVANCES IN CARDIOMYOPATHY SERIES**

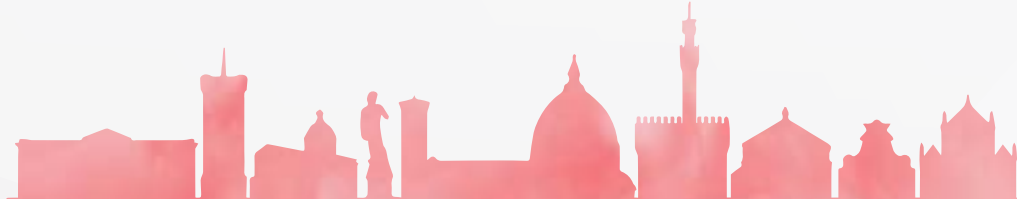
**ORGANIZED BY**

University of Florence  
Meyer Children Hospital, Florence, Italy

Great Ormond Street Hospital &  
UCL Institute of Cardiovascular Science, London, UK

**AND**

**FONDAZIONE INTERNAZIONALE MENARINI**



## **WELCOME LETTER**

**Dear Colleagues,**

In recent decades, we have witnessed extraordinary progress both in the field of congenital heart diseases and of cardiomyopathies. These advances are largely driven by early cardiac surgery and interventional procedures, currently performed in very young patients, as well as exciting improvements in diagnostic tools, from advanced imaging to genetics. Tailored, disease-modifying therapies are on the horizon.

Nevertheless, heart failure in children and adolescents remains largely uncharted territory in cardiovascular medicine. Research initiatives in pediatric cohorts are limited, and management is often based on a one-size-fits-all adaptation of adult guidelines. Conversely, an age-specific and evidence-based approach is sorely needed. A more comprehensive approach to the problem will require multidisciplinary, concerted efforts, uniting the two most prominent areas in pediatric heart failure: congenital heart disease and genetic cardiomyopathies.

This symposium has been designed to gather international experts from these two different but complementary perspectives and promote constant interaction with the audience. We hope that the synergy of such rich and diverse areas of expertise will help advance the field and improve the outlook of our youngest patients.

Welcome to Florence!

**The Course Directors**

## **SCIENTIFIC SECRETARIAT**

### **Silvia Favilli**

Meyer Children Hospital, Florence, Italy

### **Juan Pablo Kaski**

Associate Professor in Paediatric Inherited Cardiology & Consultant Paediatric Cardiologist,  
Great Ormond Street Hospital & UCL Institute of Cardiovascular Science, London, UK

### **Iacopo Olivotto**

University of Florence  
Meyer Children Hospital, Florence, Italy

## **CO-ORGANIZED BY**

### **Fondazione Internazionale Menarini**

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[www.en.fondazione-menarini.it](http://www.en.fondazione-menarini.it)

## **ORGANIZING SECRETARIAT**

### **MCR CONFERENCE SRL**

Via Finlandia, 26 - Firenze 50126 Italia  
Tel. +39 055.4364475 - [info@mcrconference.it](mailto:info@mcrconference.it)  
[www.mcrconference.it](http://www.mcrconference.it)

# PROGRAMME

THURSDAY, 13<sup>TH</sup> APRIL 2023

08.00 a.m. 08.30 a.m.	Registration
08.30 a.m. 08.50 a.m.	Official opening: Welcome by Course Directors <b>S. Favilli</b> (Florence, IT); <b>J. P. Kaski</b> (London, UK); <b>I. Olivotto</b> (Florence, IT)
08.50 a.m. 09.20 a.m.	<b>Presented by G. Limongelli</b> (Naples, IT) LECTURE <b>P. Elliott</b> (London, UK) The burden of heart failure in the young

## SESSION I – PEDIATRIC HEART FAILURE: CLINICAL PRESENTATION AND ETIOLOGIES

Chairperson:	<b>G. Sinagra</b> (Trieste, IT)
09.20 a.m. 09.40 a.m.	<b>G. Spaziani</b> (Florence, IT) In the neonate and infant
09.40 a.m. 10.00 a.m.	<b>G. Limongelli</b> (Naples, IT) In the child
10.00 a.m. 10.20 a.m.	<b>J. P. Kaski</b> (London, UK) In the adolescent/young adult
10.20 a.m. 10.40 a.m.	Discussion
10.40 a.m. 11.10 a.m.	Coffee break

## SESSION II – HF IN CONGENITAL HEART DISEASE (1): AN OVERVIEW

Chairperson:	<b>U. Vairo</b> (Bari, IT)
11.10 a.m. 11.30 a.m.	<b>S. Favilli</b> (Florence, IT) Pathophysiology of HF in congenital heart disease
11.30 a.m. 11.50 a.m.	<b>G. B. Calabri</b> (Florence, IT) Echocardiographic diagnosis
11.50 a.m. 12.10 p.m.	<b>F. Raimondi</b> (Florence, IT) The role of cardiac magnetic resonance
12.10 p.m. 12.30 p.m.	Discussion
12.30 p.m. 01.00 p.m.	<b>Presented by S. Favilli</b> (Florence, IT) LECTURE <b>C. A. Warnes</b> (Rochester – MN, USA) Incidence and outcomes of advanced heart failure in adults with congenital heart disease
01.00 p.m. 02.00 p.m.	<i>Lunch</i>

### SESSION III – HF IN CONGENITAL HEART DISEASE (2): CHALLENGING SCENARIOS

Chairperson:	<b>P. Guccione</b> (Rome, IT)
02.00 p.m. 02.20 p.m.	<b>G. Di Salvo</b> (Padua, IT) From maladaptation to failure in systemic right ventricle
02.20 p.m. 02.40 p.m.	<b>M. D'Alto</b> (Naples, IT) Pulmonary Hypertension
02.40 p.m. 03.00 p.m.	<b>K. Dimopoulos</b> (London, UK) The failing Fontan circulation
03.00 p.m. 03.20 p.m.	Discussion
03.20 p.m. 03.50 p.m.	<b>Presented by F. Cecchi</b> (Florence, IT) LECTURE <b>M. Yacoub</b> (London, UK) Treating children with heart disease: a look at the future
03.50 p.m. 04.10 p.m.	<b>M.R. Shah</b> (McLean – VA, USA) Gene therapy in cardiomyopathies
04.10 p.m. 04.40 p.m.	<i>Coffee break</i>
04.40 p.m. 06.05 p.m.	<b>G. B. Calabri</b> (Florence, IT); <b>M. Pieroni</b> (Arezzo, IT); <b>G. Porcedda</b> (Florence, IT); <b>G. Spaziani</b> (Florence, IT) Clinical cases from the real world
06.05 p.m. 06.20 p.m.	Final discussion and closing of the day

# PROGRAMME

FRIDAY, 14<sup>TH</sup> APRIL 2023

08.30 a.m. 09.00 a.m.	Registration
09.00 a.m. 09.30 a.m.	<b>S. Favilli</b> (Florence, IT); <b>J. P. Kaski</b> (London, UK); <b>I. Olivotto</b> (Florence, IT) Summary of the previous day

## SESSION IV – HF IN CARDIOMYOPATHIES (1): CHALLENGING SCENARIOS

Chairperson:	<b>F. Cecchi</b> (Florence, IT)
09.30 a.m. 09.50 a.m.	<b>C. Y. Ho</b> (Boston – MA, USA) HCM in the very young: lessons from international registries and opportunities for prevention
09.50 a.m. 10.10 a.m.	<b>M. Pieroni</b> (Arezzo, IT) Myocarditis and Covid19-related issues
10.10 a.m. 10.30 a.m.	<b>D. Stolfo</b> (Trieste, IT) Epidemiology of dilated cardiomyopathy: why children are different
10.30 a.m. 10.50 a.m.	Discussion
10.50 a.m. 11.20 a.m.	Coffee break

## SESSION V – HF IN CARDIOMYOPATHIES (2): EMERGING THERAPIES

Chairperson:	<b>E. Cerbai</b> (Florence, IT) <b>F. Girolami</b> (Florence, IT)
11.20 a.m. 11.40 a.m.	<b>J. Van der Velden</b> (Amsterdam, NL) Molecular strategies for drug development: a physiologist's view
11.40 a.m. 12.00 p.m.	<b>S. M. Day</b> (Philadelphia – PA, USA) Molecular strategies for drug development: a cardiologist's view
12.00 p.m. 12.20 p.m.	<b>I. Olivetto</b> (Florence, IT) The role of myosin inhibitors
12.20 p.m. 12.40 p.m.	<b>F. Mazzarotto</b> (Brescia, IT) New frontiers in genetic discovery for cardiomyopathies
12.40 p.m. 01.00 p.m.	Discussion
01.00 p.m. 02.00 p.m.	<i>Lunch</i>
02.00 p.m. 02.30 p.m.	<b>Presented by C. Di Mario</b> (Florence, IT) LECTURE <b>M. Gatzoulis</b> (London, UK) Heart Failure in congenital heart disease and Best to Deal with it?



## SESSION VI – ARRHYTHMIAS

Chairperson:	<b>G. Porcedda</b> (Florence, IT)
02.30 p.m. 02.50 p.m.	<b>L. Crotti</b> (Milan, IT) Ion channel disease in children
02.50 p.m. 03.30 p.m.	Sudden death prevention: <b>F. Drago</b> (Rome, IT) In CHD <b>P. Garcia-Pavia</b> (Madrid, ES) In CMP
03.30 p.m. 03.50 p.m.	Discussion
03.50 p.m. 04.20 p.m.	<i>Coffee break</i>

## SESSION VII – SURGERY AND DEVICES

Chairpersons:	<b>V. Pak</b> (Massa, IT); <b>P. Stefàno</b> (Florence, IT)
04.20 p.m. 04.40 p.m.	<b>C. Pace</b> (Turin, IT) Surgical treatment of HF in children
04.40 p.m. 05.00 p.m.	<b>G. Santoro</b> (Massa, IT) Interventional strategies in the infant
05.00 p.m. 05.20 p.m.	<b>A. Amodeo</b> (Rome, IT) LVAD and advanced therapies
05.20 p.m. 05.40 p.m.	<b>L. Ragni</b> (Bologna, IT) Evolving indications and outcomes of transplant
05.40 p.m. 06.00 p.m.	<b>S. Favilli</b> (Florence, IT); <b>J. P. Kaski</b> (London, UK); <b>I. Olivetto</b> (Florence, IT) Final discussion and take home messages

## FACULTY LIST

**Antonio Amodeo**  
Rome (IT)

**Giovanni Battista Calabri**  
Florence (IT)

**Franco Cecchi**  
Florence (IT)

**Elisabetta Cerbai**  
Florence (IT)

**Lia Crotti**  
Milan (IT)

**Michele D'Alto**  
Naples (IT)

**Sharlene M. Day**  
Philadelphia – PA, (USA)

**Carlo Di Mario**  
Florence (IT)

**Giovanni Di Salvo**  
Padua (IT)

**Konstantinos Dimopoulos**  
London (UK)

**Fabrizio Drago**  
Rome (IT)

**Perry Elliott**  
London (UK)

**Silvia Favilli**  
Florence (IT)

**Pablo Garcia-Pavia**  
Madrid (ES)

**Michael Gatzoulis**  
London (UK)

**Francesca Girolami**  
Florence (IT)

**Paolo Guccione**  
Rome (IT)

**Carolyn Yung Ho**  
Boston – MA, (USA)

**Juan Pablo Kaski**  
London (UK)

**Giuseppe Limongelli**  
Naples (IT)

**Francesco Mazzarotto**  
Brescia (IT)

**Iacopo Olivotto**  
Florence (IT)

**Carlo Pace**  
Turin (IT)

**Vitali Pak**  
Massa (IT)

**Maurizio Pieroni**  
Arezzo (IT)

**Giulio Porcedda**  
Florence (IT)

**Luca Ragni**  
Bologna (IT)

**Francesca Raimondi**  
Florence (IT)

**Giuseppe Santoro**  
Massa (IT)

**Monica Ravindra Shah**  
McLean – VA(USA)

**Gianfranco Sinagra**  
Trieste (IT)

**Gaia Spaziani**  
Florence (IT)

**Pierluigi Stefàno**  
Florence (IT)

**Davide Stolfo**  
Trieste (IT)

**Ugo Vairo**  
Bari (IT)

**Jolanda Van Der Velden**  
Amsterdam (NL)

**Carole A. Warnes**  
Rochester – MN, (USA)

**Magdi Yacoub**  
London (UK)

## HOW TO REGISTER AND JOIN THE EVENT

### VIA WEBSITE AND/OR APP - HYBRID EVENT

Subscription to the Reserved Area and to the Event of your interest is required.  
REGISTRATION IS FREE.

### RESIDENTIAL EVENT

Via website [www.en.fondazione-menarini.it](http://www.en.fondazione-menarini.it)

#### IF YOU ARE ALREADY A SUBSCRIBER TO THE FONDAZIONE MENARINI RESERVED AREA

1) Please visit the page of the congress of your interest:

[www.en.fondazione-menarini.it/Home](http://www.en.fondazione-menarini.it/Home)

2) Click on “SUBSCRIBE TO RESIDENTIAL EVENT” and LOG IN with your credentials.

3) Choose which days you wish to attend.

**You will receive a confirmation email including your registration QR CODE for entering the event.**

#### IF YOU ARE NOT YET A SUBSCRIBER, REGISTER FOR FREE IN THE FONDAZIONE MENARINI RESERVED AREA

1) Go to [www.en.fondazione-menarini.it](http://www.en.fondazione-menarini.it) and click on “Reserved Area” (home page, on the right)

2) To register in the reserved area, just fill in the form, available here:

[www.en.fondazione-menarini.it/Home/Sign-up-the-Reserved-Area](http://www.en.fondazione-menarini.it/Home/Sign-up-the-Reserved-Area)

3) Fill in all the mandatory fields and complete the registration, click on REGISTER (only once).

Wait for the confirmation page to appear, do not click on anything or leave the page.

Once you receive confirmation, return to the home page, you will already be logged-in to the reserved area.

4) Visit the page of the congress of your interest:

[www.en.fondazione-menarini.it/Home](http://www.en.fondazione-menarini.it/Home)

5) Confirm your registration by clicking on “SUBSCRIBE TO RESIDENTIAL EVENT” and LOG IN with your credentials.

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*We would like to remind you that the number of places reserved is limited to the actual capacity of the venue. We therefore kindly ask you to cancel your registration if you are unable to attend, so that other interested users can participate.*

## HOW TO REGISTER AND JOIN THE EVENT

### LIVE STREAMING

Via website [www.en.fondazione-menarini.it](http://www.en.fondazione-menarini.it)

#### IF YOU ARE ALREADY A SUBSCRIBER TO THE FONDAZIONE MENARINI RESERVED AREA

- 1) Please **visit the page of the congress** of your interest:

[www.en.fondazione-menarini.it/Home](http://www.en.fondazione-menarini.it/Home)

- 2) Click on **"SUBSCRIBE TO LIVE STREAMING"** and **LOG IN** with your credentials, check the Privacy Notice and click on **"ATTEND"**.

**You can enjoy the LIVE STREAMING for free on 13<sup>th</sup> and 14<sup>th</sup> April 2023.**

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- 3) Fill in all the mandatory fields and complete the registration, click on **REGISTER** (only once).

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Once you receive confirmation, return to the home page, you will already be logged-in to the reserved area.

- 4) **Visit the page of the congress** of your interest:

[www.en.fondazione-menarini.it/Home](http://www.en.fondazione-menarini.it/Home)

- 5) Confirm your registration by clicking on **"SUBSCRIBE TO LIVE STREAMING"**, check the Privacy Notice and click on **"ATTEND"**.

**You can enjoy the LIVE STREAMING for free on 13<sup>th</sup> and 14<sup>th</sup> April 2023.**

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Please feel free to contact us if you need any further information or require any assistance, by clicking on the link below:

[www.en.fondazione-menarini.it/Home/Contact-Us](http://www.en.fondazione-menarini.it/Home/Contact-Us)

## HOW TO REGISTER AND JOIN THE EVENT

### VIA FONDAZIONE MENARINI APP

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click here or scan the QR CODE:

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### LIVE STREAMING

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You can access the APP with the same username and password that you use in the website. Visit the page of the event and confirm your participation, click on **"SUBSCRIBE TO LIVE STREAMING"**.

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Click on the red button **REGISTER**; to register in the reserved area, just fill in all the mandatory fields of the form.

Now it is necessary to log in with your username (email) and password! Then click on **LOGIN**.

Now you are logged-in to the APP (you will see your name near the user icon).

You can visit the schedule of the event, and click on the red button **"SUBSCRIBE TO LIVE STREAMING"**, check the Privacy Notice and the confirm.

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## GENERAL INFORMATION

### MEETING VENUE

The venue for the meeting will be **Auditorium al Duomo - Via de' Cerretani, 54/R, 50123 Florence FI (Italy)**

### OFFICIAL LANGUAGE

The official language of the Seminar is English. Simultaneous translation will not be provided.

### LIVE STREAMING EVENT ONLINE ON

Thursday, 13<sup>th</sup> April 2023: 08.30 a.m. - 06.20 p.m.

Friday, 14<sup>th</sup> April 2023: 09:00 a.m. - 06.00 p.m.

### SECRETARIAT DURING THE MEETING

The Secretariat will be open at the following times:

Thursday, 13<sup>th</sup> April from 08:00 a.m. to 06:00 p.m.

Friday, 14<sup>th</sup> April from 8:30 a.m. to 06:00 p.m.

### TECHNICAL FACILITIES

Facilities will be available for computer presentations and overhead projections.

A Business Center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentation to the Business Center at least one hour before the session starts.

### LUNCHEES AND COFFEE BREAKS

Lunches and coffee breaks will be provided during the meeting.

### ATTENDANCE CERTIFICATE

The attendance certificate will be provided via email upon request.

***We would like to remind you that the number of places reserved is limited to the actual capacity of the venue. We therefore kindly ask you to cancel your registration if you are unable to attend, so that other interested users can participate.***

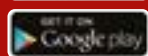
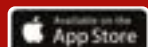
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