

# Summer talks in Bologna on Pediatric and Congenital Cardiac Surgery

FIRST EDITION

The double  
outlet right  
ventricle

JUNE  
10-11  
2022



INTERNATIONAL  
MEETING

BOLOGNA - ITALY

Royal Hotel Carlton

Dear Colleagues,

The Pediatric Cardiac Surgery Unit of Bologna traditionally has been the promoter of high specialized Meeting on The Diagnosis and Treatment of Congenital Cardiac Defects. Given the interest and the enthusiastic answer of all our colleagues, we decided to give birth to a new international appointment here in Bologna starting from June 2022 that will take place every two years.

In the “Summer talks in Bologna on pediatric and congenital cardiac surgery” we will have the opportunity to deepen all the aspects of the congenital cardiac defects from anatomical definition to diagnosis, to surgical treatment.

Our starting point on June 2022 will be “Summer talks in Bologna on pediatric and congenital cardiac surgery: the double outlet right ventricle”.

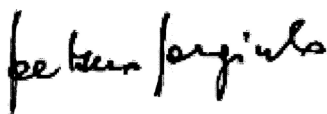
An outstanding Faculty, composed of international experts, will make a focus on anatomy, diagnosis, imaging and surgery of one of the most debated and complex congenital cardiac defect. A special focus will be developed on advanced diagnosis, 3D printing, bioinformatics, augmented reality and simulation. Session opening comprehensive lectures will be followed by multiple Live in Box presentations. Through a viewer friendly layout, an appropriate time for discussion and a constant interaction between the participants and the Faculty, our meeting is ideated to be engaging.

We are looking forward to welcoming you for an unforgettable learning experience!



**Dott.ssa Emanuela Angeli**

Pediatric and Grown-up Congenital Cardiac Surgery Unit  
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy



**Prof. Gaetano D. Gargiulo**

Chief of Pediatric and Grown-up Congenital Cardiac Surgery Unit  
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy  
Full Professor of the Department of Experimental, Diagnostic and Specialty Medicine,  
Università di Bologna - Italy

## CONGRESS PRESIDENTS

Gaetano Domenico Gargiulo, Bologna - Italy  
Emanuela Angeli, Bologna - Italy

## FACULTY

Marta Agulli, Bologna - Italy  
Emanuela Angeli, Bologna - Italy  
Anwar Baban, Rome - Italy  
Anna Balducci, Bologna - Italy  
Damien Bonnet, Paris - France  
Lucio Careddu, Bologna - Italy  
Mario Carminati, Milan - Italy  
Valentina Ciriello, Bologna - Italy  
Pedro J. del Nido, Boston - USA  
Giovanni Di Salvo, Padua - Italy  
Andrea Donti, Bologna - Italy  
Gabriele Egidy Assenza, Bologna - Italy  
Roberto Formigari, Rome - Italy  
Lorenzo Galletti, Rome - Italy  
Gaetano Domenico Gargiulo, Bologna - Italy  
Alessandro Giamberti, Milan - Italy  
Jürgen Hörer, Munich - Germany  
Viktor Hraska, Milwaukee - USA  
Luigi Lovato, Bologna - Italy  
Giovanni Battista Luciani, Verona - Italy  
Emanuela Marcelli, Bologna - Italy  
Elisabetta Mariucci, Bologna - Italy

## HONORARY PRESIDENT

Pascal Vouhè, Paris - France

Elena Giulia Milano, London - UK  
Mona Momeni, Bruxelles - Belgium  
Fabio Niro, Bologna - Italy  
Guido Oppido, Naples - Italy  
Carlo Pace Napoleone, Turin - Italy  
Massimo Padalino, Padua - Italy  
Gianni Pedrizzetti, Trieste - Italy  
Francesco Dimitri Petridis, Bologna - Italy  
Clauss Jurgen Preusse, Bonn - Germany  
Francesco Puzello, Portoferraio, Italy  
Andrea Giulio Quarti, Bologna - Italy  
Luca Ragni, Bologna - Italy  
Francesca Raimondi, Florence - Italy  
Olivier Raisy, Paris - France  
Ehrenfried Schindler, Bonn - Germany  
Aurelio Secinaro, Rome - Italy  
Shabana Shahanavaz, Cincinnati - USA  
Gaetano Thiene, Padua - Italy  
Israel Valverde, London - UK  
Vladimiro Vida, Padua - Italy  
Pascal Vouhè, Paris - France

## UNDER THE PATRONAGE OF



POLICLINICO DI **SANT'ORSOLA**



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DEPARTMENT OF EXPERIMENTAL, DIAGNOSTIC  
AND SPECIALTY MEDICINE



European Association  
of Cardiothoracic Anaesthesiology  
and Intensive Care



Società Italiana di  
Cardiologia Pediatrica e delle  
Cardiopatie Congenite



# SCIENTIFIC PROGRAM - Friday, June 10<sup>th</sup>

8.30 *Registration*

9.00 **Welcome Greetings**  
*Gaetano Domenico Gargiulo,  
Pascal Vouhè*

**9.30-10.50**

## **SESSION I - ANATOMY, AETIOLOGY AND PRENATAL DIAGNOSIS**

*Moderators: Andrea Donti,  
Vladimiro Vida*

9.30 **Anatomical classification of DORV**  
*Gaetano Thiene*

9.50 **DORV: Aetiologies  
and extracardiac malformative  
associations**  
*Anwar Baban*

10.10 **Prenatal evaluation of DORV**  
*Anna Balducci*

10.30 **Discussion**

10.50 *Coffee break*

**11.10-13.00**

## **SESSION II - THE NEONATE WITH DOUBLE OUTLET RIGHT VENTRICLE**

*Moderators: Mona Momeni,  
Andrea Giulio Quarti*

11.10 **Setting the stage for repair:  
clinical presentation  
and challenges early after birth**  
*Luca Ragni*

11.30 **How the cardiologist can  
influence the surgical strategy**  
*Damien Bonnet*

11.50 **Neonate with DORV: a wide  
spectrum of surgical approaches**  
*Carlo Pace Napoleone*

12.10 **Discussion**

12.35 **Introduction Main Lecture**  
*Gaetano Domenico Gargiulo*

12.40 **History of DORV**  
*Pascal Vouhè*

13.00 *Lunch*

14.00-14.30

**INTRAOPERATIVE MYOCARDIAL PROTECTION  
IN PEDIATRICS - WHERE DO WE STAND IN 2022?  
AN UPDATE** by *Clauss Jurgen Preusse*

**14.30-16.10**

## **SESSION III - ADVANCED IMAGING DIAGNOSIS**

*Moderators: Luigi Lovato,  
Giovanni Battista Luciani*

14.30 **Role of Computed Tomography  
in pre-and postoperative  
evaluation of DORV?**  
*Fabio Niro*

14.50 **Advanced diagnosis using cardiac  
magnetic resonance**  
*Aurelio Secinaro*

15.10 **Spatial understanding of DORV  
using three dimensional  
echocardiography**  
*Giovanni Di Salvo*

15.30 **Use of 3D models in the surgical  
decision making of DORV**  
*Israel Valverde*

15.50 **Discussion**

**16.10-18.30**

## **SESSION IV - THE SURGICAL TREATMENT**

*Moderators: Jürgen Hörer, Lorenzo Galletti*

16.10 **DORV-VSD is it really a simple  
operation?**  
*Emanuela Angeli*

16.30 **DORV with subaortic ventricular  
septal defect and infundibular  
stenosis (Fallot-type) early and  
long term outcome**  
*Olivier Raisky*

16.50 **DORV with subpulmonary  
ventricular septal defect (TGA-type)**  
*Viktor Harska*

17.10 **DORV: complex forms**  
*Pedro J. Del Nido*

17.30 **Advanced intraoperative  
anesthesiological management**  
*Marta Agulli*

17.50 **Paediatric cardiac anaesthesia  
and PICU in complex congenital  
heart defects: Friend or Fiend?**  
*Ehrenfried Schindler*

18.10 **Discussion**

18.30 **Closing remarks**

# SCIENTIFIC PROGRAM - Saturday, June 11<sup>th</sup>

9.00-10.30

## SESSION V - SURGICAL PROBLEMS ALONG THE ROAD

Moderators: Lucio Careddu,  
Viktor Hraska

- 9.00 **Surgical management of LVOT obstruction after biventricular repair**  
*Guido Oppido*
- 9.20 **Coronary arteries complication after primary repair**  
*Olivier Raisky*
- 9.40 **My surgical nightmares after DORV repair**  
*Pedro J. Del Nido*
- 10.00 **Discussion**
- 10.30 *Coffee break*

11.00-13.00

## SESSION VI - LATE OUTCOMES

Moderators: Andrea Donti,  
Roberto Formigari,  
Francesco Dimitri Petridis

- 11.00 **The unresolved issue of pulmonary valve replacement in conotruncal abnormalities**  
*Gabriele Egidio Assenza*
- 11.20 **Delaying the inevitable... transcatheter treatment prior to pulmonary valve replacement**  
*Shabana Shahanavaz*
- 11.40 **Late advances in RVOT transcatheter functional restoration**  
*Mario Carminati*
- 12.00 **Is there still a role for surgical pulmonary valve replacement after DORV repair?**  
*Giovanni Battista Luciani*
- 12.20 **The problem of lifetime ventricular arrhythmia burden in DORV**  
*Elisabetta Mariucci*
- 12.40 **Discussion**
- 13.00 *Lunch*

14.30-17.00

## SESSION VII - ADVANCED ASSESSMENT OF MECHANICAL FUNCTION PRE AND POST-SURGERY

Moderators: Valentina Ciriello,  
Alessandro Giamberti  
Francesca Raimondi

- 14.30 **Computational fluid dynamics in DORV**  
*Gianni Pedrizzetti*
- 14.50 **3D printing for surgical planning in DORV?**  
*Elena Giulia Milano*
- 15.10 **From reality to augmented reality through virtual reality AR thought VR in DORV**  
*Emanuela Marcelli*
- 15.30 **Additive manufacturing workflow**  
*Francesco Puzello*
- 15.50 **Teaching surgery using dry lab**  
*Massimo Padalino*
- 16.10 **Can we push the limits of surgical repair?**  
*Jürgen Hörer*
- 16.30 **Discussion**
- 17.00 **End of the Meeting**  
*Emanuela Angeli,  
Gaetano Domenico Gargiulo*

# GENERAL INFORMATION

## MEETING WEBSITE

<https://summertalks2022.noemacongressi.it>

## VENUE

**Royal Hotel Carlton**

Via Montebello, 8

40121 Bologna - Italy

The Hotel is in the centre of Bologna near railway station and just a short walk from Piazza Maggiore and the Two Towers.

## SOCIAL PROGRAMME

**Conference Dinner on Friday, June 10<sup>th</sup>**

Golf Club Siepelunga - Boccone del Prete Restaurant

Dinner fee: € 70,00 (22% VAT included)

## OFFICIAL LANGUAGE

The official language of the Meeting is English.

## HOTEL RESERVATION

It is possible to make an online reservation at meeting website.

A number of rooms have been booked for Meeting participants.

## COVID-19 CONTAINMENT MEASURES

Participation will be subject to the current regulations.

All updates will be available on the meeting website.



# REGISTRATION

## HOW TO REGISTER

Online registration at <https://summertalks2022.noemacongressi.it>

## REGISTRATION FEES

### *On-site participation*

	Before March 31 <sup>st</sup>	After March 31 <sup>st</sup>
<b>Physicians</b>	€ 244,00 (22% VAT included)	€ 366,00 (22% VAT included)
<b>Nurse</b>	€ 122,00 (22% VAT included)	€ 122,00 (22% VAT included)
<b>Perfusionist</b>		
<b>Resident</b>		
<b>Bioengineer</b>		

Registration fee include:

- Access to the Scientific sessions of the Meeting
- Congress kit
- Certificate of attendance
- Coffee break

### *On-line participation*

**Dedicated tutorial fee:** € 122,00 (22% VAT included)

Those who are unable to attend the in-person conference will be given the opportunity to register for a short online pre-recorded 2 hours program on specific topics such as 3D printing/clinical cases/prenatal valves/imaging.

**Access to the Event recording** (after the Conference): € 183,00 (22% VAT included)

**ORGANIZING SECRETARIAT**

**N O E M A**

Via degli Orefici, 4  
40124 Bologna (Italy)  
Ph. +39 051 230385  
[info@noemacongressi.it](mailto:info@noemacongressi.it)  
[www.noemacongressi.it](http://www.noemacongressi.it)