

THIRD EDITION

SUMMER TALKS IN BOLOGNA ON PEDIATRIC AND CONGENITAL CARDIAC SURGERY

Emergency
and critical care
in newborns
with congenital
cardiac defects

JUNE
13-14
2025



INTERNATIONAL
MEETING

BOLOGNA

CONGRESS PRESIDENTS

Prof.ssa Emanuela Angeli

Pediatric Cardiac Surgery and Adult Congenital Heart Disease Program,
Department of Cardio-Thoracic and Vascular medicine
IRCCs Azienda Ospedaliero-Universitaria di Bologna - Italy

Dott. Andrea Donti

Pediatric and Grown-up Congenital Cardiologi Unit
Department of Cardio-Thoracic and Vascular medicine
IRCSS Azienda Ospedaliera Universitaria di Bologna - Italy

HONORARY PRESIDENT

Prof. Gaetano D. Gargiulo

Full Professor of the Department of Experimental, Diagnostic and Specialty
Medicine Università di Bologna - Italy

UNDER THE PATRONAGE OF



This meeting aims to provide a framework for a multidisciplinary approach in the management of common neonatal cardiac emergencies and reinforce key case-based educational pearls.

It is tailored to pediatric cardiac surgeons, neonatologists, pediatric cardiologists, anesthesiologists, gynecologists, perfusionists, trainees, advanced practice practitioners, intensive care nurses.

SUMMER TALKS 2025

- **Fetal cardiology**
- **Premature newborns with congenital cardiac defects: special care required**
- **Emergencies in neonates with congenital cardiac defects**
- **Advanced neonatal airways management**
- **Heart and Beyond: the complex cardiac neonate with other major malformations**
- **Cardiac failure**
- **Pulmonary hypertension**

PERFUSION VALLEY IN SUMMER TALKS 2025

Summer Talks it's an international meeting that takes place in Bologna with the intention to reunite the most important experts of diagnosis and treatment of congenital heart defects. It also tend to encourage discussions and exchanges on good practices and methodologies for the benefit of this field.

But this is not all, Summer Talks is much more. Bologna is located in a specific region of Italy, called Emilia Romagna. From this land, are produced most of the technologies for the extracorporeal circulation.

"Perfusion Valley 2025" in the Summer Talks, it's a new international initiative. It will facilitate the perfusionist from all over the world to have the opportunity to discuss on a very complex theme, such as the emergency management of newborns with congenital heart disease

All the companies that works in the sector of perfusion or in particular in this "Valley", will be asked to present their technology and their history, in order to participate in highly specialized sessions. Furthermore, they will take part of the "perfusion round tables" with perfusionists and doctors.

- **Management of newborns with congenital cardiac difect: low birth weight and preterm babies, special skills**
- **Selective organ perfusion**
- **ECMO team**

NURSE TRAINING IN SUMMER TALKS 2025

- **Point of care ultrasound in the NICU**

PROGRAM AT A GLANCE

Friday, June 13 th	Time	Plenary Session	Parallel Session
	9:00	Greetings	
	9:30 - 10:45	Session I Up-to-date insights into newborns with congenital heart defects	
	10:45 - 11:15	<i>Coffee break</i>	
	11:15 - 12:45	Session II Born without prenatal diagnosis	Perfusionist session I Key principles guiding neonatal cardiopulmonary bypass procedures
	12:45 - 14:00	<i>Lunch</i>	
	14:00 - 15:45	Session III The left ventricle	Perfusionist session II Advances in cardiopulmonary bypass
	15:45 - 16:15	<i>Coffee break</i>	
	16:15 - 17:30	Session IV Complex Aortic Pathologies	
	17:30 - 18.00	Main Lecture Advanced cardiac imaging in neonate with congenital heart disease: how to make it relevant	

Saturday, June 14 th	Time	Plenary Room	Parallel Sessions
	9:00 - 10:15	Session V Save the last emergency in neonatal cardiac surgery	Perfusionist session III Beyond emergency care: the complexities and evolution of ECMO
	10:15 - 10:45	Main Lecture Neonatal Ebstein	
	10:45 - 11:15	<i>Coffee break</i>	
	11:15 - 12:30	Session VI Neonatal heart failure	Summer Talks for ICU Nurses
	12:30 - 14:00	<i>Lunch</i>	
	14:00 - 15:30	Session VII ECMO in newborns	Summer Talks for ICU Nurses
	15:30 - 15:45	Main Lecture Reshaping the landscape after neonatal cardiac surgery: the ACHD prospective	
	15:45 - 16:45	PERFUSION RACE	

SCIENTIFIC PROGRAM - FRIDAY, JUNE 13TH 2025

PLENARY SESSION

08:00 Participants' Registration

09:00 **Welcome Greetings**

09:30 – 10:45 Session I

Up-to-date insights into newborns with congenital heart defects

Moderators: *Giovanni Di Salvo, Giuliana Simonazzi*

09:30 **How has the cardiac neonatal emergency landscape changed in the last decades?**

Emile Bacha

09:45 **The role of prenatal diagnosis in complex congenital heart disease**

Damien Bonnet

10:00 **The changing role of fetal MRI**

Malenka Bissell

10:15 **Genetic patterns' influence**

Anwar Baban

10:30 Discussion

10:45 *Coffee Break*

11:15 – 12:45 Session II

Born without prenatal diagnosis

Moderators: *Anna Balducci, Luigi Tommaso Corvaglia*

11:15 **Multiorgan crash at delivery**

Diana Vargas

11:30 **Refractory arrhythmia from foetus to birth**

Gabriele Bronzetti

11:45 **NICU management. Prevention of VRS infection before and after neonatal cardiac surgery**

Francesca Vitali

12:00 **PDA closure: special focus on premature patients**

Alain Fraisse

12:15 **More than heart – Associated comorbidities: quests or main topics**

Mario Lima

12:30 Discussion

12:45 *Lunch*

SCIENTIFIC PROGRAM - FRIDAY, JUNE 13TH 2025

PARALLEL SESSION

11:15 – 12:45 Perfusionist session I

Key principles guiding neonatal cardiopulmonary bypass procedures

Moderators: *Filip De Somer, Alvisè Guariento*

11:15 **Welcome greetings**

Marta Agulli

11:25 **CPB setting in newborns**

Federica Zanzico

11:40 **UF strategies and inflammatory response control in newborns**

Micol Maggia

11:55 **Blodless strategies in neonates**

TBD

12:10 **Advanced monitoring during CPB**

Hansjörg Jenni

12:25 **Discussion**

12:45 **Lunch**

PLENARY SESSION

14:00 – 15:45 Session III - The left ventricle

Moderators: *Andrea Donti, Giovanni Battista Luciani*

14:00 **Neonatal cardiac stabilization: multifactorial aspects**

Luca Ragni

14:15 **HLHS traditional surgery**

Boulos Asfour

14:30 **Borderline left ventricle**

Lorenzo Galletti

14:45 **Total interventional approach to HLHS**

Nicola Maschietto

15:00 **ICU management of hybrid HLHS**

Blanka Steinbrenner

15:15 **Discussion**

15:45 **Coffee Break**

SCIENTIFIC PROGRAM - FRIDAY, JUNE 13TH 2025

PARALLEL SESSION

14:00 – 15:45 Perfusionist session II **Advances in neonatal cardiopulmonary bypass**

Moderators: *Lucio Careddu, Giulia Bravetti*

- 14:00 **Selective organ perfusion**
Francesca Esposito
- 14:15 **Intraoperative myocardial protection in newborns is still a multifactorial challenge**
Clauss Jurgen Preusse
- 14:30 **Hypothermic vs normothermic management in CPB**
Mauro Cotza
- 14:45 **Del Nido cardioplegia circuit presentation**
Michela Corradini
- 15:00 **Kidney protection during neonatal arch surgery: total body perfusion technique**
José Ángel Zamorano Serrano
- 15:10 Discussion
- 15:45 *Coffee Break*

PLENARY SESSION

16:15 – 17:00 Session IV - Complex Aortic Pathologies

Moderators: *Boulos Asfour, Guido Oppido*

- 16:15 **Ross and Konno-Ross operation in neonatal age**
Mark Hazekamp
- 16:30 **Transcatheter balloon aortic valvuloplasty**
Elisabetta Mariucci
- 16:45 **Aortic arch repair**
Emanuela Angeli
- 17:00 **Advanced monitoring in neonatal arch repair**
Ehrenfried Schindler
- 17:15 Discussion

17:30 – 18:00 Main Lecture

Presented by *Andrea Donti*

**Advanced cardiac imaging in neonate with congenital heart disease:
how to make it relevant**

Rahul Rathod

SCIENTIFIC PROGRAM - SATURDAY, JUNE 14TH 2025

PLENARY SESSION

09:00 – 10:15 Session V

Save the last emergency in neonatal cardiac surgery

Moderators: *Alessandro Giamberti, Nicola Maschietto*

09:00 **TAPVC**

Olivier Raisky

09:15 **Shunt or not shunt for severe RVOT obstruction**

Vladimiro Vida

09:30 **Better to stent?**

Giuseppe Santoro

09:45 **Other than cardiac surgery**

Michele Torre

10:00 Discussion

10:15 – 10:45 Main Lecture

Presented by *Emanuela Angeli*

Neonatal Ebstein

Emile Bacha

PARALLEL SESSION

09:00 – 10:45 Perfusionist session III

Beyond emergency care: the complexities and evolution of ECMO

Moderators: *Francesca Sperotto, Mauro Lo Rito*

09:00 **ECMO guidelines**

Marta Agulli

09:15 **Cannulation strategies for ECMO in newborn**

Lorenzo Boni

09:30 **Anticoagulation strategy**

Chiara Giorni

09:45 **UF strategy and Dyalisis in ECMO**

Filip De Somer

10:00 **Infection in ECMO**

Renato Pascale

10:15 **Advanced monitoring in ECMO**

Luisa Baron

10:45 Discussion

10:45 Coffee Break

11:15 – 15:15 SUMMER TALKS FOR ICU NURSES

SCIENTIFIC PROGRAM - SATURDAY, JUNE 14TH 2025

PLENARY SESSION

11:15 – 12:30 Session VI - Neonatal Heart Failure

Moderators: *Luca Ragni, Oliver Raisky*

- 11:15 **Medical management of severe heart failure in newborn**
Damien Bonnet
- 11:30 **Neonatal heart transplant**
Lucio Careddu
- 11:45 **Medical frontiers after heart transplant in neonatal population**
Tammam Hasan
- 12:00 **VAD in small weight infants: past, present and future**
Antonio Amodeo
- 12:15 Discussion
- 12:30 *Lunch*

14:15 – 15:45 Session VII - ECMO in newborns

Moderators: *Ehrenfried Schindler, Vladimiro Vida*

- 14:15 **Prematurity and ECMO**
Andrea Moscatelli
- 14:30 **Cardiac ECMO in newborns**
Franecesca Sperotto
- 14:45 **The role of feeding and caloric intake in newborns with severe heart failure**
Arianna Aceti
- 15:00 **ECMO on air**
TBD
- 15:15 Discussion

15:30 – 15:45 Main Lecture

Moderators: *Gabriele Egidy Assenza, Michael Gatzoulis*

**Reshaping the landscape after neonatal cardiac surgery:
the ACHD prospective**
Margherita Brida

- 15:45 **End of the Meeting**
Emanuela Angeli, Andrea Donti

15:50 - 16:50 PERFUSION RACE

FACULTY*

Arianna **Aceti** (Bologna, Italy)
Marta **Agulli** (Bologna, Italy)
Antonio **Amodeo** (Roma, Italy)
Emanuela **Angeli** (Bologna, Italy)
Boulos **Asfour** (Bonn, Germany)
Anwar **Baban** (Roma, Italy)
Emile **Bacha** (New York, USA)
Anna **Balducci** (Bologna, Italy)
Luisa **Baron** (Madrid, Spain)
Malenka **Bissell** (Leeds, UK)
Lorenzo **Boni** (Madrid, Spain)
Damien **Bonnet** (Paris, France)
Giulia **Bravetti** (Roma, Italy)
Margarita **Brida** (London, UK)
Gabriele **Bronzetti** (Bologna, Italy)
Lucio **Careddu** (Bologna, Italy)
Michela **Corradini** (Bologna, Italy)
Luigi Tommaso **Corvaglia** (Bologna, Italy)
Mauro **Cotza** (Milano, Italy)
Filip **De Somer** (Ghent, Belgium)
Giovanni **Di Salvo** (Padova, Italy)
Andrea **Donti** (Bologna, Italy)
Gabriele **Egidy Assenza** (Bologna, Italy)
Francesca **Esposito** (Bologna, Italy)
Alain **Fraisse** (London, UK)
Paola **Franceschi** (Bologna, Italy)
Lorenzo **Galletti** (Roma, Italy)
Michael **Gatzoulis** (London, UK)
Alessandro **Giamberti** (Milano, Italy)
Chiara **Giorni** (Roma, Italy)
Alvise **Guariento** (Padova, Italy)
Tammam **Hasan** (Bologna, Italy)
Mark **Hazekamp** (Leiden, Netherlands)
Hansjörg **Jenni** (Bern, Switzerland)
Mario **Lima** (Bologna, Italy)
Giovanni Battista **Luciani** (Verona, Italy)
Mauro **Lo Rito** (Milano, Italy)
Micol **Maggia** (Verona, Italy)
Elisabetta **Mariucci** (Bologna, Italy)
Nicola **Maschietto** (Boston, USA)
Andrea **Moscatelli** (Genova, Italy)
Guido **Oppido** (Napoli, Italy)
Renato **Pascale** (Bologna, Italy)
Clauss Jurgen **Preusse** (Bonn, Germany)
Luca **Ragni** (Bologna, Italy)
Olivier **Raisky** (Paris, France)
Rahul **Rathod** (Boston, USA)
Giuseppe **Santoro** (Massa, Italy)
Ehrenfried **Schindler** (Bonn, Germany)
Giuliana **Simonazzi** (Bologna, Italy)
Francesca **Sperotto** (Boston, USA)
Blanka **Steinbrenner** (Frankfurt, Germany)
Michele **Torre** (Genova, Italy)
Diana **Vargas** (New York, USA)
Vladimiro **Vida** (Padova, Italy)
Francesca **Vitali** (Bologna, Italy)
José Ángel **Zamorano Serrano** (Madrid, Spain)
Federica **Zanzico** (Bologna, Italy)

Faculty subject to change

GENERAL INFORMATION

MEETING WEBSITE

<https://summertalks2025.noemacongressi.it>

VENUE

Royal Hotel Carlton

Via Montebello, 8 - 40121 Bologna - Italy

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

OFFICIAL LANGUAGE

The official language of the Meeting is English.

ACCREDITATION



EBCP: 8 points

CERTIFICATE OF ATTENDANCE

The certificate of attendance will be sent by e-mail at the end of the meeting.

REGISTRATION

	Before April 15 th	After April 15 th
Physicians - Perfusionist	€ 146,40 (22% VAT included)	€ 244,00 (22% VAT included)
Nurse - Resident Bioengineer	€ 100,00 (22% VAT included)	€ 100,00 (22% VAT included)
Student	FREE	FREE

HOW TO REGISTER

Online registration

Registration fee includes:

Access to the Scientific sessions of the meeting, Conference kit,
Certificate of attendance, Coffee break, Lunch.

Conference Dinner on Friday, June 13th

€ 60,00 (VAT included)

Golf Club Siepelunga - Boccone del Prete Restaurant

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ORGANIZING SECRETARIAT

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