

Preliminary Scientific Programme

Pre-Congress Hands-on Course & Two-Day Scientific Meeting

23–25 May 2027

Ultrasound in Neonatal and Paediatric Critical Care

23 May — Pre-Congress Hands-on Course

15:00–18:00 | Hands-on Course

Course Director: Francesco Raimondi (Italy)

15:00–15:15 | Introduction and Basic Knowledge Questionnaire

Francesco Raimondi (Italy)

15:15-15:45 | Lung Ultrasound I: Basic Semiology and Simulator-Based Practical Training

Yasser ElSayed (Canada)

15:45-16:15 | Vascular Ultrasound: Basic Semiology and Hands-on Training on a Child

Barbara Loi (Italy)

16:15-16:45 | Heart Ultrasound: Basic Semiology and Hands-on Training on a Child

Yogen Singh (USA)

16:45-17:15 | Lung Ultrasound II: Semiology (30 min) and Hands-on Training on a Child

Francesco Raimondi (Italy)

Post-Course Questionnaire

18:30 | NETWORKING APERITIF

During the Networking Aperitif Neonatal Innovation Award 2027 will be given to Professor Ola Saugstad

24 MAY — DAY 1

08:15–08:30 | WELCOME AND INTRODUCTION

Daniele De Luca (France)

ULTRASOUND AND SEPSIS

Chairs: Francesco Raimondi, Thomas Conlon

08:30–08:50 | The Place of LUS in Sepsis Management Guidelines

Akira Nishisaki (USA)

08:50–09:10 | LUS and VEXUS in Neonatal Sepsis

Almudena Alonso Ojembarrena (Spain)

09:10–09:30 | What Are the Main Echocardiographic Measures in Neonatal Septic Shock?

Shazia Bhombal (USA)

09:30–09:45 | Q&A

ULTRASOUND AND LUNG HETEROGENEITY

Chairs: Silvia Mongodi, Akira Nishisaki

09:45–10:05 | Heterogeneity in NARDS and Neonatal Disorders

Daniele De Luca (France)

10:05–10:20 | Heterogeneity in PARDS

Giovanna Chidini (Italy)

10:20–10:40 | Heterogeneity in ARDS in Adults

Silvia Mongodi (Italy)

10:40–11:00 | Q&A AND COFFEE BREAK

COMPARING ULTRASOUND MACHINES

Chairs: Daniele De Luca, Matteo Di Nardo

11:00–11:20 | Handheld Ultrasound Versus Conventional Devices

Gabriel Altit (Canada)

11:20–11:30 | Q&A

11:30–12:00 | What Are the Benefits of Different Ultrasound Machines?

Gabriel Altit (Canada), Daniele De Luca (France), Matteo Di Nardo (Italy) and Specialists from Participating Companies

ULTRASOUND AND PNEUMONIA

Chairs: Stefano Martinelli, Rebecca Gregorio-Hernandez

12:00–12:20 | LUS for Viral and Bacterial Pneumonia in Neonates

Daniel Ibarra-Rios (Mexico)

12:20–12:40 | LUS for Viral and Bacterial Pneumonia in Children

Danilo Buonsenso (Italy)

12:40–13:00 | Q&A

13:00–14:00 | LUNCH BREAK

ORAL COMMUNICATIONS SESSION

Chairs: Letizia Capasso, Akira Nishisaki

14:00–15:00 | Six Oral Communications

Each presentation: 6 minutes + 4 minutes Q&A

ULTRASOUND AND ALVEOLAR RECRUITMENT

Chairs: Almudena Alonso Ojembarrena, Thomas Conlon

15:00–15:20 | LUS as a Surrogate for End-Expiratory Lung Volume (EELV) and Shunt

Daniele Biasucci (Italy)

15:20–15:40 | LUS to Guide Alveolar Recruitment in Neonates

Barbara Loi (Italy)

15:40–16:00 | LUS and Alveolar Recruitment in ECMO

Matteo Di Nardo (Italy)

16:00–16:15 | Q&A

ULTRASOUND AND BRONCHOPULMONARY DYSPLASIA (BPD)

Chairs: Theodore Dassios, Eugenio Baraldi

16:15–16:30 | Ultrasound Phenotyping of msBPD
Luca Bonadies (Italy)

16:30–16:45 | Phenotypes of BPD in SGA Infants
Almudena Alonso Ojembarrena (Spain)

16:45–17:00 | Ultrasound and the Effects of Postnatal Steroids
Gabriel Altit (Canada)

17:00–17:20 | SPECIAL TALK: FOOTPRINTS Trial Results on BPD
Victoria Niklas (USA)

17:20–17:30 | Q&A

25 MAY — DAY 2

ULTRASOUND AND DIAPHRAGMATIC HERNIA

Chairs: Shazia Bhombal, Matteo Di Nardo

08:30–08:50 | Lung Ultrasound for Monitoring CDH
Maria Fraga (USA)

08:50–09:10 | Echocardiography for Monitoring CDH
Gabriel Altit (Canada)

09:10–09:30 | Q&A

ULTRASOUND TEACHING

Chairs: Maria Fraga, Yogen Singh

09:30–09:50 | Lung Ultrasound Learning Curve: The GALEN Study
Daniele De Luca (France)

09:50–10:10 | Leveraging Technology to Optimize Learning Strategies
Thomas Conlon (USA)

10:10–10:30 | Teaching Ultrasound in LMICs: What Are the Main Barriers and How Can We Overcome Them?

Daniel Ibarra-Rios (Mexico)

10:30–10:45 | Q&A AND COFFEE BREAK

JUNIOR VERSUS SENIOR CONTEST

How, If and When Would I Use Ultrasound…?

Chairs: Matteo Di Nardo, Francesco Raimondi

10:45–11:45 | Junior vs Senior Discussions

… When I Admit a Late Preterm Infant with Respiratory Failure

Costanza Neri (Italy) vs Luca Ramenghi (Italy)

… When I Admit a Neonate with Congenital Diaphragmatic Hernia (CDH)

Victor Sartorius (France) vs Maria Fraga (USA)

… When a Patient with Septic Shock Is Coming to the PICU

Carmen Rodriguez Barrios (Spain) vs Akira Nishisaki (USA)

… When a Patient with Major Trauma Is Coming to the Emergency Department

Daniela Rosalba (Italy) vs Matteo Di Nardo (Italy)

11:35–12:00 | Q&A

ULTRASOUND AND ARDS DEFINITION

Chairs: Daniele Biasucci, Manuel Sanchez-Luna

12:00–12:20 | Ultrasound and Definition of NARDS

Barbara Loi (Italy)

12:20–12:40 | Ultrasound and Definition of PARDS

Giovanna Chidini (Italy)

12:40–13:00 | Ultrasound and Definition of ARDS in Adults

Silvia Mongodi (Italy)

13:00–13:15 | Q&A

13:15–14:15 | LUNCH BREAK

ORAL COMMUNICATIONS SESSION

Chairs: Theodore Dassios, Thomas Conlon

14:15–15:15 | Six Oral Communications

Each presentation: 6 minutes + 4 minutes Q&A

ULTRASOUND IN DELIVERY ROOM RESUSCITATION

Chairs: Daniele Trevisanuto, Daniele De Luca

15:15–15:25 | NEOSONAR Protocol

Yogen Singh (USA)

15:25–15:45 | SAFER and Its Adaptations

Daniel Ibarra-Rios (Mexico)

15:45–16:05 | Is There Evidence For and Against Using LUS During Resuscitation?

Rebecca Gregorio-Hernandez (Spain)

16:05–16:20 | Q&A

ULTRASOUND FOR VASCULAR ACCESS

Chairs: Matteo Di Nardo, Barbara Loi

16:20–16:40 | How Useful Is Ultrasound for Vascular Access Management in the Real World?

Fiorentino Grasso (Italy)

16:40–17:00 | Ultrasound and Vascular Access in PICU/NICU: What Is New?

Mauro Pittiruti (Italy)

17:00–17:20 | Q&A

17:20–17:30 | WRAP-UP AND CONCLUSIONS

Daniele De Luca (France)

ENDORSEMENTS

S.A.R.N.e P.I.
Società di Anestesia e Rianimazione Neonatale e Pediatrica Italiana

SIAARTI
PRO VITA CONTRA DOLOREM SEMPER