

**Accreditamento Provider Nazionale:** SMM SRL ID 5129

**Conflitto d'interessi:** [“nessuno”]

**Titolo:** “VOLT – 7th LAUNCH - VITAL MONITORING & ULTRASOUND”

**Data:** 22-24/01/2026

**Sede:** Best Western Plus Hotel Universo, Via Principe Amedeo, 5/B, 00185 Roma RM

**Durata:** [n. 18 ore]

**Crediti:** [n. 5,4]

**Obiettivo formativo:** Epidemiologia - prevenzione e promozione della salute – diagnostica – tossicologia con acquisizione di no-zioni tecnico-professionali

**Faculty (vedi CV brevi allegati)**

**RESPONSABILE SCIENTIFICO:** De Luca Daniele

## **RAZIONALE DEL CORSO**

Evoluto dal congresso LAUNCH, VOLT è diventato il principale evento scientifico internazionale dedicato esclusivamente all'ecografia point-of-care (POCUS) e al monitoraggio vitale avanzato in ambito neonatale e pediatrico critico. Giunto alla settima edizione, VOLT richiama centinaia di partecipanti da oltre 40 Paesi, con interventi di esperti riconosciuti a livello mondiale. Il congresso si distingue per l'elevato livello accademico, selezionando i relatori in base alle loro credenziali scientifiche e capacità didattiche, offrendo così un'esperienza formativa di grande valore. Inoltre, VOLT è una piattaforma per la presentazione di ricerche originali, attraverso comunicazioni orali che promuovono innovazioni cliniche e scientifiche. Rappresenta un appuntamento annuale imprescindibile per i professionisti impegnati nello sviluppo dell'uso dell'ecografia e del monitoraggio vitale in ambito pediatrico e neonatale.

## THURSDAY – 22 JANUARY 2026

8:30 Greetings Daniele De Luca

NEW TECHNIQUES IN LUNG ULTRASOUND Chairs: Daniele De Luca – Thomas Conlon

8:30 – 8:50 Speckle tracking Daniele Biasucci (Rome, Italy)

8:50 – 9:10 Ultrasound evaluation of pleural and diaphragmatic strain in children Christie Glau (Philadelphia, USA)

Q&A 10 min

NEWS ON LUNG ULTRASOUND TRAINING Chairs: Rebeca Gregorio-Hernandez – Luca Bonadies

9:20-9:40 Impact of a diagnostic POCUS program in a PICU Thomas Conlon (Philadelphia, USA)

9:40 – 10:00 International consensus on lung POCUS training Yogen Singh (Davis, USA)

Q&A 10 min

EIT: THE COMPETITOR OF LUNG ULTRASOUND! Chairs: Domenico Grieco – Francesco Raimondi

10:10– 10:30 EIT in neonates: the update Anton van Kaam (Amsterdam, Netherlands)

10:30 – 10:50 EIT in children: the update Giovanna Chidini (Milan, Italy) -

10:50 – 11:10 EIT in children: the update Jan-Christoph Clausen (Berlin, Germany)

Q&A 10 min

Coffee break 15 min

AI AND LUNG ULTRASOUND: NEW FRIENDS? Chairs: Francesco Raimondi – Luna Gargani

11:35 – 11:55 AI-guided lung ultrasound: the adult experience Cristiana Baloescu (New Haven, USA)

11:55 – 12:15 AI diagnosis of neonatal pneumothorax Fiorella Migliaro (Naples, Italy)

12:15 – 12:35 Human to AI agreement in the interpretation of lung ultrasound Libertario Demi (Trento, Italy)

Q&A 10 min

FREE COMMUNICATION SESSION Chair: Barbara Loi

12:45 – 13:45 6 abstracts (10 min each, including Q&A)

Lunch break 1 hour

ROUND TABLE – UPDATE ON VASCULAR ACCESSES Chairs: Matteo Di Nardo, Mauro Pittiruti

14:45-15:00 Ultrasound differentiation between thrombosis and fibrin sheath Mauro Pittiruti (Rome, Italy)

15:00-15:15 Ethanol lock: is it an option? Thomas Conlon (Philadelphia, USA)

15:15-15:30 GAVEPED Consensus for children Daniele Biasucci (Rome, Italy)

15:30-15:45 GAVEPED Consensus for neonates Giovanni Barone (Rimini, Italy)

15:45-16:05 NEVAT experience on vascular access training Fiammetta Piersigilli (Bruxelles, Belgium)

Q&A 15 min

LUNG ULTRASOUND: IS IT REALLY OPERATOR DEPENDENT? Chairs: Daniele De Luca, Silvia Mongodi

16:20 – 16:40 Lesson from the LESSON study Luna Gargani (Pisa, Italy)

16:40 – 17:00 Meta-analytical comparison of newborn data Francesco Raimondi (Naples, Italy)

Q&A 10 min

Coffee break 15 min

ESICM-ESPNIC GUIDELINES ON QUANTITATIVE LUNG ULTRASOUND Chairs: Thomas Conlon, Francesco Raimondi

17:25 -17:45 Background and adult part Silvia Mongodi (Pavia, Italy)

17:45-18:05 Pediatric and neonatal part Daniele De Luca (Paris, France)

Q&A 10 min

FRIDAY – 23 January 2026

**JOINT FORCES - COMBINED MONITORAGES** Chairs: Jay Banerjee – Alexis Davis

8:30 – 8:50 Joining forces: quantitative LUS and EIT ? Letizia Capasso (Naples, Italy)

8: 50 – 9:10 Integrated Vexus for neonates and children Almudena Alonso-Ojembarrena (Cadiz, Spain)

Q&A 10 min

**THE PLEURA** Chairs: Maria Fraga – Almudena Alonso-Ojembarrena

9:20 – 9:40 How to measure the pleura and its irregularities? Expert advices Almudena Alonso-Ojembarrena (Cadiz, Spain)

9:40 – 10:00 What information do we have from the pleural ultrasound Ioana Mihaela Ciuca (Timisoara, Romania)

Q&A 10 min

**LUNG ELASTOGRAPHY: THE LAST NOVELTY** Chairs: Giovanna Chidini – Luca Bonadies

10:10 - 10:30 Lung elastography: what for? Pro and con? Cristina Ramos Hernandez (Vigo, Spain)

10:30 – 10:50 Lung elastography to diagnose pneumonia in children Sergi Huerta-Carpe (Barcelona, Spain)

10:50 – 11:10 Lung elastography for the diagnosis of pneumothorax Guido Levi (Brescia, Italy)

Q&A 10 min

Coffe break 15 min

**LUNG MECHANICAL MONITORAGE** Chairs: Giovanna Chidini – Manuel Sanchez-Luna

11:35 – 11:55 The importance of transpulmonary pressure monitoring in ARDS Domenico Luca Grieco (Rome, Italy)

11:55 – 12:15 Pleural and transpulmonary pressure for protective ventilation in children Brigitte Fauroux (Paris, France)

12:15 – 12:35 EADi-based estimation of pleural pressure in preterm neonates: a new monitoring tool Daniele De Luca (Paris, France)

Q&A 10 min

**FREE COMMUNICATION SESSION** Chair: Rebeca Gregorio-Hernandez

12:45 – 13:45 6 abstracts (10 min each, including Q&A)

Lunch break 1 hour

**NEONATAL INNOVATION AWARD 2025 LECTURE** Chair: Daniele De Luca

14:45-15:05 The “discovery” of HFOV alveolar recruitment Anton van Kaam (Amsterdam, Netherlands)

**ECMO ROUND TABLE** Chairs: Daniele De Luca - Manuel Sanchez-Luna

15:05 – 15:20 Ultrasound for cannulation in the PICU Matteo Di Nardo (Rome, Italy)

15:20- 15:35 Ultrasound for cannulation in the NICU Shazia Bhombal (Atlanta, USA)

15:35 – 15:50 Ultrasound for diagnosing adverse events in the PICU Aljassim Nada (Riad, Saudi Arabia)

15:50 – 16:05 Ultrasound for diagnosing adverse events in the NICU Maria V. Fraga (Philadelphia, USA)

Q&A 15 min

Coffee break 15 min

**ADVANCED MONITORING IN THE DELIVERY ROOM** Chairs: Yogen Singh – Jay Banerjee

16:35 – 16:55 NIRS in the delivery room: what for? Valerie Chock (Stanford, USA)

16:55 – 17:15 POCUS in the delivery room Alexis Davis (Stanford, USA)

17:15 – 17: 35 End-tidal CO<sub>2</sub> monitoring in the delivery room: now unavoidable Daniele De Luca

Q&A 15 min

## SATURDAY – 24 JANUARY 2026

ADVANCED NEUROLOGICAL MONITORING Chairs: Karl Schettler – Valerie Chock

8:30-8:50 Super resolution ultrasound of newborn brain: a new frontier Jay Banerjee (London, UK)

8:50-9:10 Transcranial doppler monitoring: an update Daniele Biasucci (Rome, Italy)

9:10-9:30 Nociception monitoring in neonates Karl Schettler (Munich, Germany)

9:30-9:50 Brain elastography in neonates: is it already a reality? Fiammetta Piersigilli (Bruxelles, Belgium)

Q&amp;A 10 min

HEART FAILURE Chairs: Maria Fraga – Yogen Singh

10-10:20 The value of lung ultrasound in monitoring of heart failure Shazia Bhombal (Atlanta, USA)

10:20-10:40 Lung ultrasound monitoring in babies with congenital heart defects Rebeca Gregorio-Hernandez

(Madrid, Spain)

10:40-11:00 Lung ultrasound and heart failure the experience of adults Luna Gargani (Pisa, Italy)

Q&amp;A 10 min

ADMINISTRATIVE AND LEGAL ISSUES OF POCUS Chairs: Daniele Biasucci – Yogen Singh

11:10 -11:30 Billing and legal framework of point-of-care ultrasound in the USA Maria V. Fraga (Philadelphia, USA)

11:30-11:50 How to describe a point-of-care ultrasound exam and legal aspects in EU Francesco Raimondi (Naples, Italy)

Q&amp;A 10 min

12:00 WRAP UP: ESPNIC President Karl Schettler

12:10 CLOSURE: Daniele De Luca

NOME - COGNOME	LAUREA	SPECIALIZZAZIONE	AFFILIAZIONE
Almudena Alonso Ojembarrena	Medicina e Chirurgia	Neonatologia	Hospital Puerta del Mar in Cadiz
Cristiana Baloescu	Medico	Medicina d'Emergenza	Yale University School of Medicine
Jay Banerjee	Medicina e Chirurgia	Neonatologia	Imperial College Healthcare NHS Trust
Giovanni Barone	Medicina e Chirurgia	Ginecologia ed Ostetricia	Università degli Studi di Foggia
Shazia Bhombal	Medicina e Chirurgia	Neonatologia	Stanford University
Daniele Biasucci	Medicina e Chirurgia	Neonatologia	Policlinico Gemelli, Roma
Luca Bonadies	Medicina e Chirurgia	Neonatologia	Università degli Studi di Padova
Letizia Capasso	Medicina e Chirurgia	Neonatologia e Pediatria	University of Naples Federico II
Giovanna Chidini	Medico Chirurgo	Anestesia e Rianimazione	Ospedale Policlinico, Milano, Italy
Valerie Chock	Medicina e Chirurgia	Neonatologia	Stanford University
Ioana Mihaela Ciuca	Medicina e Chirurgia	Pediatria	Victor Babeş University of Medicine and Pharmacy Timisoara, Romania
Jan Christoph Clausen	Medicina e Chirurgia	Pediatria	Deutsches Herzzentrum der Charité
Thomas Conlon	Assistant Professor	Anesthesiology and Critical Care Medicine	Children's Hospital of Philadelphia
Alexis Davis	Medicina e Chirurgia	Neonatologia	Stanford University
Daniele De Luca	Medicina e Chirurgia	Neonatologia	Université Paris Saclay
Libertario Demi	Professore associato	Ingegneria e Scienza dell'Informazione	Università di Trento
Matteo Di Nardo	Medicina e Chirurgia	Neonatologia	Ospedale Pediatrico Bambino Gesù
Brigitte Fauroux	Medico	Pneumologia Pediatrica	Sorbonne Université - Hôpital Armand-Trousseau
María V. Fraga	Medicina e Chirurgia	Neonatologia	Children's Hospital of Philadelphia
Luna Gargani	Medicina e Chirurgia	Neonatologia	Università di Pisa
Christie Glau	Attending Physician	Anesthesiology and Critical Care Medicine	Children's Hospital of Philadelphia
Rebeca Gregorio Hernandez	Medicina e Chirurgia	Neonatologia	Hospital General Universitario Gregorio Marañón
Domenico Luca Grieco	Medico chirurgo	Anestesia e Rianimazione	Policlinico Gemelli
Sergi Huelta-Carpe	Medicina e Chirurgia	Pediatria	Hospital Sant Joan de Déu University of Barcelona
Guido Levi	Medicina e Chirurgia	Pneumologia	Università degli Studi di Brescia
Barbara Loi	Medicina e Chirurgia	Pediatria e Rianimazione Neonatale	Université Paris Saclay
Fiorella Migliaro	Medico chirurgo	Neonatologia e Terapia Intensiva Neonatale	Universitaria Federico II di Napoli
Silvia Mongodi	Medicina e Chirurgia	Neonatologia	Policlinico San Matteo Pavia Fondazione IRCCS, Pavia (San Matteo)
Aljassim Nada	Medico	Terapia Intensiva Pediatrica	King Fahad Medical City (Riyadh)
Fiammetta Piersigilli	Medicina e Chirurgia	Neonatologia	Hospital Saint Luc, Belgium
Mauro Pittiruti	Medicina e Chirurgia	Neonatologia	Università Cattolica del Sacro Cuore
Francesco Raimondi	Medicina e Chirurgia	Neonatologia	University of Naples Federico II, Naples, Italy
Cristina Ramos Hernandez	Medico	Pneumologia Pediatrica	Complejo Hospitalario Universitario de Vigo
Manuel Sanchez Luna	Medicina e Chirurgia	Neonatologia	Hospital General Universitario Gregorio Marañón
Karl Schettler	Medicina e Chirurgia	Neonatologia	Children's Hospital St. Mary's, Landshut, Germany
Yogen Singh	Medicina e Chirurgia	Pediatria	University of California, Davis, USA
Anton van Kaam	Medicina e Chirurgia	Neonatologia	Amsterdam University, The Netherlands