

## II Neonatal Lung Ultrasound Course – 2024 Edition

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### COURSE LENGTH

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Estimated time required to complete the course, including final assessment, is 11 hours.

### DESCRIPTION

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Dive into the essentials of Neonatal Lung Ultrasound with a comprehensive course blending pre-recorded lectures, 2 live sessions, and interactive quizzes for self-assessment. Begin with the fundamentals, patterns and scoring systems, basic investigation, potential pitfalls and limitations. Gain insights into various neonatal syndromes, differentiating between term and preterm infant conditions. Benefit from real-life case studies in the delivery room and NICU scenarios, including term, pre-term, and critical situations. Perfect for health professionals who want to learn about baby lung care.

This course has been developed by members of the ESPNIC Neonatal Critical Care Section.

### TOPICS

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#### Part 1: Basics

- Introduction to Lung Ultrasound (US Basics): basic artifacts, “how I do it”, integration of lung ultrasound in daily preterm care, crucial role of nurses in the procedure
- Patterns, scoring systems and potential obstacles
- Basic investigations across adults and animals

#### Part 2: Syndromes

- Term infants: common pathologies (e.g. transient tachypnoea, pneumonia...) and less common ones (e.g. congenital malformations, pulmonary hypoplasia)

- Preterm infants: respiratory distress syndrome (RDS), surfactant treatment prediction, bronchopulmonary dysplasia
- LU in the delivery room and in the NICU
- Diaphragm ultrasound
- Ultrasound-guided treatment
- What’s next? Future uses of LUS and promising results

#### Part 3: Cases (live sessions)

- Delivery room
- Respiratory management in the NICU
- Preterm infant
- Crashing baby in the NICU

## FACULTY

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- Dr. Rebeca Gregorio Hernández (course co-ordinator), Hospital Universitario Gregorio Marañón, Madrid (Spain)
- Prof. Daniele De Luca, Paris Saclay University (France), ESPNIC Immediate Past-President
- Prof. Francesco Raimondi, University of Naples Federico II (Italy)
- Dr. Iuri Corsini, Careggi University Hospital of Florence (Italy)
- Dr. Douglas A. Blank, Monash Newborn and Royal Children's Hospital (Australia)
- Dr. Silvia Mongodi, Policlinico San Matteo Pavia (Italy)
- Dr. Lorena Rodeño Fernández, Basurto University Hospital, Bilbao (Spain)
- Dr. Almudena Alonso-Ojembarrena, Hospital Universitario Puerta del Mar, Cádiz (Spain)
- Dr. Nadya Yousef, Paris Saclay University (France)
- Dr. Yasser Elsayed, University of Manitoba (Canada)
- Dr. Matteo Di Nardo, Children's Hospital Bambino Gesù, Rome (Italy)
- Dr. Adel Mohamed, University of Toronto (Canada)
- Dr. Virginie Meau-Petit, Imperial College London (UK)
- Dr. Yogen Singh, University of Southern California, Los Angeles, USA. Department of Pediatrics, University of Cambridge Clinical School of Medicine, Cambridge, UK.
- Dr. Arun Sett, Murdoch Children's Research Institute (Australia)
- Dr. Anna Milan, Evelina London Neonatal Unit (UK)
- Dr. Daniel Ibarra Ríos, Hospital Infantil de México Federico Gómez (Mexico)

## FORMAT

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This course is composed of 4 elements:

1. Video lectures with accompanying PDF of the presentation slides
2. 2 live sessions presenting real-life case studies
3. Assessment with multiple-choice questions about the lecture content
4. Post-course evaluation survey

The course materials are hosted on the ESPNIC Education portal. If you are not an ESPNIC member, please create an account to register for the course. Access to the course will be limited to the course period, which runs from 21 May 2024 to 31 July 2024. After 31 July 2024, the course will be closed, and it will no longer be possible to access the course materials or take the final assessment.

## ASSESSMENT DETAILS

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The course concludes with a multiple-choice final assessment. Participants have 3 attempts to take the final assessment. The highest score will be recorded as the final score for the course. A final score of 75% is required to pass the final assessment.

## COMPLETION REQUIREMENTS

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To successfully complete the course and receive a certificate of completion, participants must watch all lectures, receive a minimum score of 75% on the final assessment, and complete the course evaluation survey within the course opening period (21 May 2024 to 31 July 2024). Participants who attempt the final assessment but do not pass will be eligible for a certificate of participation.

## IMPORTANT DATES

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Registration Closes	10 June 2024 at 23.59 CEST
Final Date to Complete Final Assessment	31 July 2024 at 23.59 CEST
Course Certificates Issued	12 August 2024

## PRICES

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ESPNIC Members	€80
Non-ESPNIC Members	€160

## CONTACT US

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For questions about this course, please email us at [education@espniceu](mailto:education@espniceu).

## REGISTER

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[Register for the course here.](#)

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