

Neonatal Lung Ultrasound Course

COURSE LENGTH

Estimated time required to complete the course, including final assessment, is 9 hours.

DESCRIPTION

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. Equip yourself with the knowledge to handle neonatal lung challenges effectively and safely. 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

Part 1: Basics

- Introduction to Lung Ultrasound (US Basics): basic artifacts, how do I do it, integration of lung ultrasound in daily preterm care, crucial role of nurses in the procedure
- Patterns, scoring systems and potential obstacles
- New and advanced applications of Lung Ultrasound in the adult critically ill patient

Part 3: Cases (live sessions)

- Delivery room
- Term infant
- Preterm infant
- Crashing baby in the NICU

Part 2: Syndromes

- Term infants: common pathologies (eg. transient tachypnoea, pneumonia...) and less common ones (eg. 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

FORMAT

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 24 October 2023 to 20 December 2023. After 20 December 2023, the course will be closed, and it will no longer be possible to access the course materials or take the final assessment.

ASSESSMENT DETAILS

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

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 (24 October – 20 December 2023). Participants who attempt the final assessment but do not pass will be eligible for a certificate of participation.

IMPORTANT DATES

Registration Closes	20 November 2023 at 23.59 CEST
Final Date to Complete Final Assessment	20 December 2023 at 23.59 CEST
Course Certificates Issued	22 December 2023

PRICES

ESPNIC Members	80€
Non-ESPNIC Members	160€

CONTACT US

For questions about this course, please email us at education@espniceu.

REGISTER

[Register for the course here.](#)