



# Neonatal and Pediatric Ultrasound BachelorClass

Neonatal and Pediatric Ultrasound BachelorClass covers a wide range of POCUS applications in Neonatology and Pediatrics, focusing on echocardiography and ultrasound of the lung, abdomen, brain, and spine, as well as ultrasound-guided procedures like umbilical venous catheter placement, paracentesis, and lumbar puncture. It includes memorable illustrations, real-life scanning demonstrations, and interactive cases with specific tips and tricks for your clinical decision-making in pediatrics, pediatric cardiology and in the neonatal intensive care unit.

4.75  
CME credits

8  
Chapters

21  
Lectures

7  
Quizzes

## Chapter 1 | CME

### Free lectures

#### Lectures & Quizzes:

- Free lecture 1
- Free lecture 2
- Free lecture 3

## Chapter 2 | 0.25 CME

### Introduction

In this chapter, we will describe the importance of neonatal point-of-care ultrasound (POCUS). We highlight how neonatal anatomy and physiology are different than children and adults. The neonatal uniqueness deserves a separate dedicated POCUS class.

#### Lectures & Quizzes:

- Neonates POCUS is unique
- NUBC - Introduction

## Chapter 3 | 2.25 CME

# Cardiac

In this chapter, we will talk about basic neonatal cardiac POCUS views, LV systolic function, fluid assessment, umbilical venous catheter position, and pericardial effusion.

## Lectures & Quizzes:

- Basic neonatal cardiac POCUS views - Part 1
- Basic neonatal cardiac POCUS views - Part 2
- LV systolic function
- Fluid assessment
- Umbilical venous catheter position
- Pericardial effusion
- NUBC - Cardiac

## Chapter 4 | 0.75 CME

# Lung

In this chapter, we will introduce you to neonatal lung ultrasound, discuss how to perform neonatal lung ultrasound, and cover neonatal lung ultrasound clinical applications.

## Lectures & Quizzes:

- Introduction to neonatal lung ultrasound
- How to perform neonatal lung ultrasound
- Neonatal lung ultrasound clinical applications
- NUBC - Lung

## Chapter 5 | 0.5 CME

# Abdomen

In this chapter, we will introduce you to neonatal abdominal ultrasound, ultrasound-guided paracentesis, and neonatal bladder ultrasound.

## Lectures & Quizzes:

- Introduction to neonatal abdominal ultrasound
- Ultrasound guided paracentesis
- Neonatal Bladder ultrasound
- NUBC - Abdomen

## Chapter 6 | 0.5 CME

# Brain

In this chapter, we will cover emergent cranial ultrasound - anatomy & pathology.

## Lectures & Quizzes:

- Emergent cranial ultrasound - anatomy
- NUBC - Brain

- Emergency cranial ultrasound - pathology

Chapter 7 | 0.25 CME

## Spine

This chapter will cover basic spinal ultrasound and ultrasound-guided lumbar puncture.

### Lectures & Quizzes:

- Basic spinal ultrasound
- Ultrasound guided lumbar puncture
- NUBC - Spine

Chapter 8 | 0.25 CME

## Putting it together

Let's put all your learned skills into one scanning protocol for common POCUS applications.

### Lectures & Quizzes:

- Connect the dots
- NUBC - Putting it together