



e Sono EMS POCUS Pathway

Two Progressive Courses: e Sono EMS POCUS Basic & e Sono EMS POCUS Advanced

From Foundations to High-Acuity Decision-Making

Simulation-based ultrasound training designed specifically for prehospital emergency care teams.

Train paramedics, EMTs, and critical care transport providers to acquire, interpret, and apply point-of-care ultrasound in real EMS environments. From core image acquisition to complex trauma and shock assessment, e Sono supports structured progression in prehospital ultrasound practice.

e Sono EMS POCUS PATHWAY

Simulation-Based. Real Clinical Data. Built for Prehospital Care.

COURSE 1

e Sono EMS POCUS Basic
Build Foundational Competence in Prehospital Ultrasound

Designed for EMS professionals beginning structured ultrasound training. The course focuses on correct image acquisition, recognition of normal anatomy, and identification of essential pathologies relevant to the prehospital setting.

- 76 hands-on scanning exercises
- 91 real ultrasound scans
- Cardiac, lung, and pulse assessment fundamentals
- Core clinical scenarios in EMS care
- eFast examination

Item Numbers:
Single User: 8001418
Multiuser License: 8001419



TRAIN AS YOU WORK IN THE FIELD

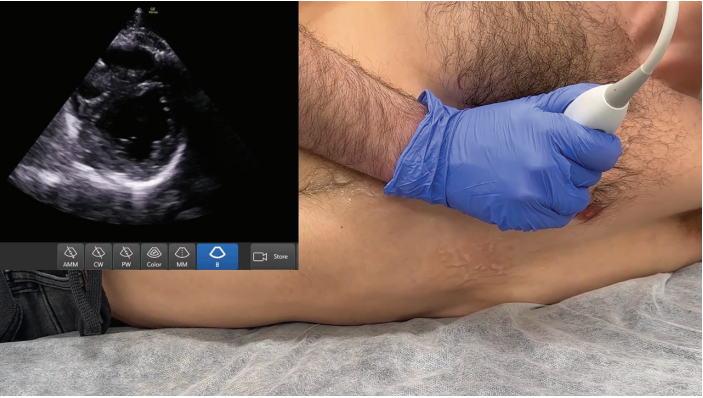
e Sono recreates real EMS workflows within a fully interactive ultrasound environment.



NEW: Integrated Vital Signs Monitor
A realistic patient monitor is embedded into image acquisition exercises and clinical scenarios, allowing learners to interpret ultrasound findings within a dynamic hemodynamic context. Includes:

- ECG
- SpO₂
- Blood pressure
- Capnography
- Scenario-based vital sign changes

Ultrasound interpretation is no longer isolated — it becomes part of real clinical decision-making.



Real Patient Exam Demonstration Videos
Each ultrasound view taught in simulation is paired with a real patient demonstration using an actual ultrasound machine. Learners observe:

- Probe positioning
- Patient positioning
- Real scanning technique
- Real anatomy acquisition

This bridges simulation training with real-world application.

- Online
- Real Clinical Ultrasound Data
- Hardware-Free

COURSE COMPARISON OVERVIEW

Advanced is recommended after completion of EMS Basic or equivalent foundational ultrasound training.

	EMS Basic	EMS Advanced
Primary Focus	Foundations & Core Scanning	High-Acuity & Advanced Interpretation
Cardiac Views	S4C, PLAX, IVC, Subcostal	PLAX, PSAX, A4C, Subcostal, IVC
Lung Ultrasound	Core zones & essential pathology	Advanced lung patterns & ARDS
Trauma	Pneumothorax recognition	Full eFAST protocol
Shock Assessment	True PEA, cardiogenic patterns	Septic, cardiogenic, hypovolemic shock, RV strain
Vascular	Carotid pulse check	Femoral DVT (selected case)
Protocol Integration	FEEL	FEEL + eFAST

COMPLETE E SONO PLATFORM FEATURES

- Real clinical ultrasound data
 - Guided image acquisition
 - Measurement and annotation tools
 - Immediate automated performance feedback
- Virtual probe control or smartphone probe joystick
 - Fully online access
 - No ultrasound hardware required
 - Standard license includes 3 months access.



DELIVERY CONTENT

This is an online unique technology accessible from any internet-connected device, eliminating the need for additional hardware. Access is granted via username and password after purchasing confirmation.

Need a multi-user access?
If you are considering incorporating this course into your organization’s curriculum for a full semester or longer and require access for multiple users, please reach out to us.



CONTENT

e Sono EMS POCUS Basic

(8001418 Single User | 8001419 Multiuser)

Cardiac Foundations

- S4C Image Acquisition
- PLAX Image Acquisition
- IVC Evaluation
- Subcostal Pathologies
- LV Function Recognition
- Pericardial Effusion
- True PEA

Lung Essentials

- Zone 1–3 Evaluation
- Pneumonia
- COPD Exacerbation
- Pulmonary Edema
- ARDS Patterns
- Pneumothorax

Shock & Resuscitation

- FEEL Protocol
- Cardiogenic Shock
- Pulmonary Congestion

Vascular

- Carotid Pulse Assessment

e Sono EMS POCUS Advanced

(8001420 Single User | 8001421 Multiuser)

Advanced Cardiac Assessment

- PLAX, PSAX, A4C Step-by-Step Acquisition
- LV Systolic Dysfunction (mild & severe)
- RV Strain
- Hyperdynamic LV Function
- Pericardial Effusion

Advanced Lung Pathology

- Severe Pneumonia
- ARDS
- Pleural Effusion
- Lung Atelectasis

Trauma – eFAST

- eFAST Protocol (Normal)
- Morison's Pouch Fluid
- Perisplenic Free Fluid
- Pelvic Free Fluid
- Pneumothorax
- Pericardial Effusion

Shock & Critical Decision-Making

- Septic Shock
- Cardiogenic Pulmonary Edema
- Pseudo-PEA (Severe Hypovolemia)
- Fluid Tolerance Assessment
- Smoke Inhalation Injury

Vascular

- Femoral Vein DVT

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IF YOU HAVE ANY QUESTIONS OR NEED SUPPORT, PLEASE SCAN HERE



3B Scientific Group

Headquarters · Ludwig-Erhard-Strasse 20 · 20459 Hamburg · Germany · [3bscientific.com](https://www.3bscientific.com)