

NEW



-  Focus on foundational transthoracic echocardiography (TTE) and cardiac image acquisition
-  4 hours of practice with 20 patient cases
-  Available in single user and multiuser licenses
-  No hardware needed - just an internet connection

e Sono Cardiac Fundamentals Course


A 3B SCIENTIFIC BRAND

Build a Foundation in Cardiac Ultrasound with Real Clinical Cases. No Hardware Required. 100% Online.

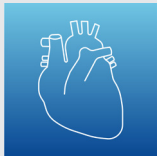
The e Sono Cardiac POCUS Fundamentals Course provides a self-paced, interactive learning experience focused on mastering transthoracic echocardiography (TTE) ideal for early learners and clinicians beginning their cardiac ultrasound journey.

Through structured simulation tasks and real-time feedback, participants build confidence in acquiring and interpreting core cardiac views essential for point-of-care practice.



CONTENT INCLUDED

72 simulation sessions designed for progressive learning.
Approximately 4 hours of structured, self-paced practice.



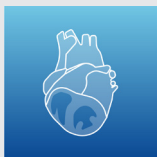
Anatomy & Spatial Orientation

Build spatial awareness and anatomical understanding using guided scanning exercises and real-time overlays.



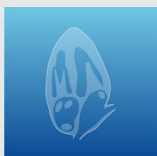
View Acquisition – Step by Step

Systematically acquire the core transthoracic echocardiographic views: PLAX, PSAX, A4C, A5C, A2C, A3C, SC4C, Subcostal Short-Axis, and IVC. Develop control and image optimization skills through guided feedback.



Tips, Tricks & Common Pitfalls

Learn to correct common scanning errors, refine probe manipulation, and anticipate view transitions.

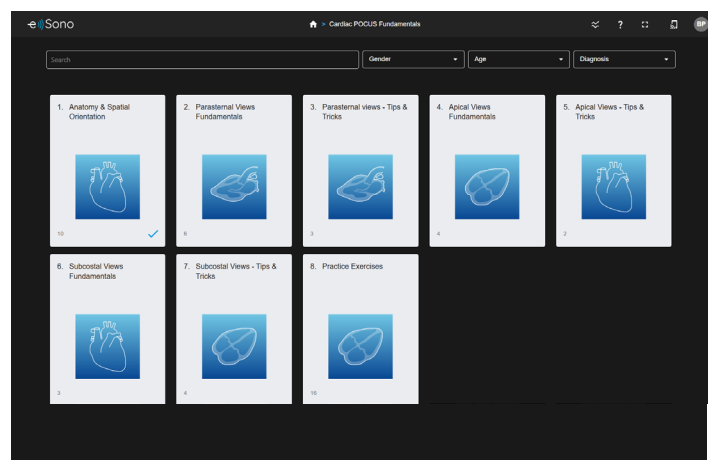


Practice Exercises

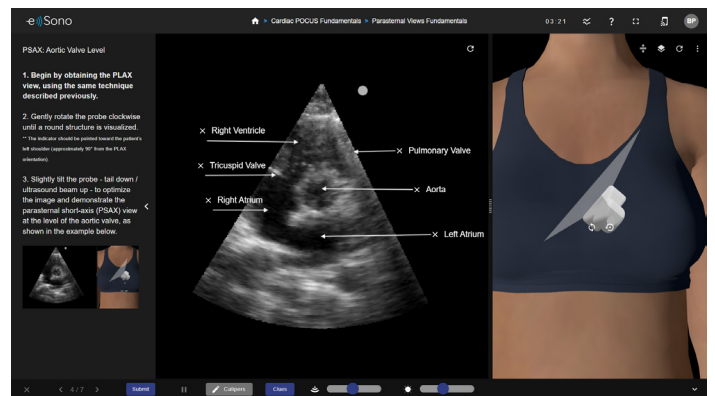
Encounter both normal and pathological cases — including LV dysfunction and hyperdynamic LV — to strengthen interpretation and clinical readiness.

What You Will Learn:

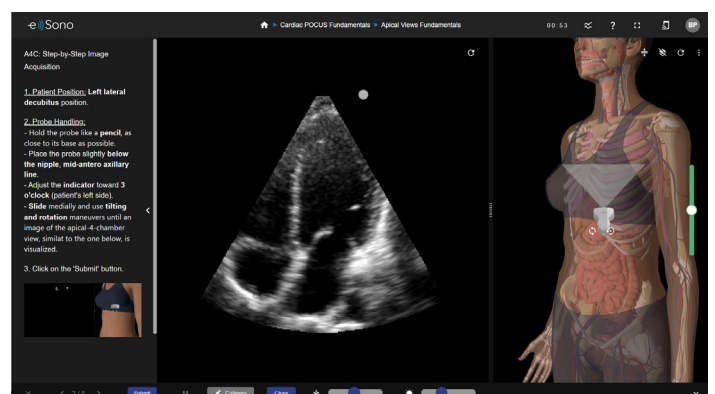
- How to acquire and optimize all standard transthoracic echocardiographic views
- How to recognize cardiac chambers, valves, and walls on ultrasound
- How to troubleshoot common image acquisition errors
- How to perform a focused cardiac POCUS exam independently



A comprehensive library with multiple real scans from different patients



Use annotation and measurement tools just like in real life to highlight your findings and support your diagnosis



Anatomy layers help in understanding anatomical structures in ultrasound

INCLUDES e Sono COMPLETE SET OF FEATURES



Anytime, anywhere: e Sono works on any internet-connected device, no installation required.



Immediate Feedback: Receive automatic expert feedback after each exercise.



Hardware-free: Scan with a virtual probe or using any smartphone as a probe joystick.



Smart Anatomy: The manikin includes detailed anatomical layers to enhance understanding of anatomical structures in ultrasound.



Real-Life Scenarios: simulate using data acquired from real patients.



Ultrasound Features: e Sono mirrors real ultrasound machines with features such as measurements, depth and gain adjustments, and annotations.



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?

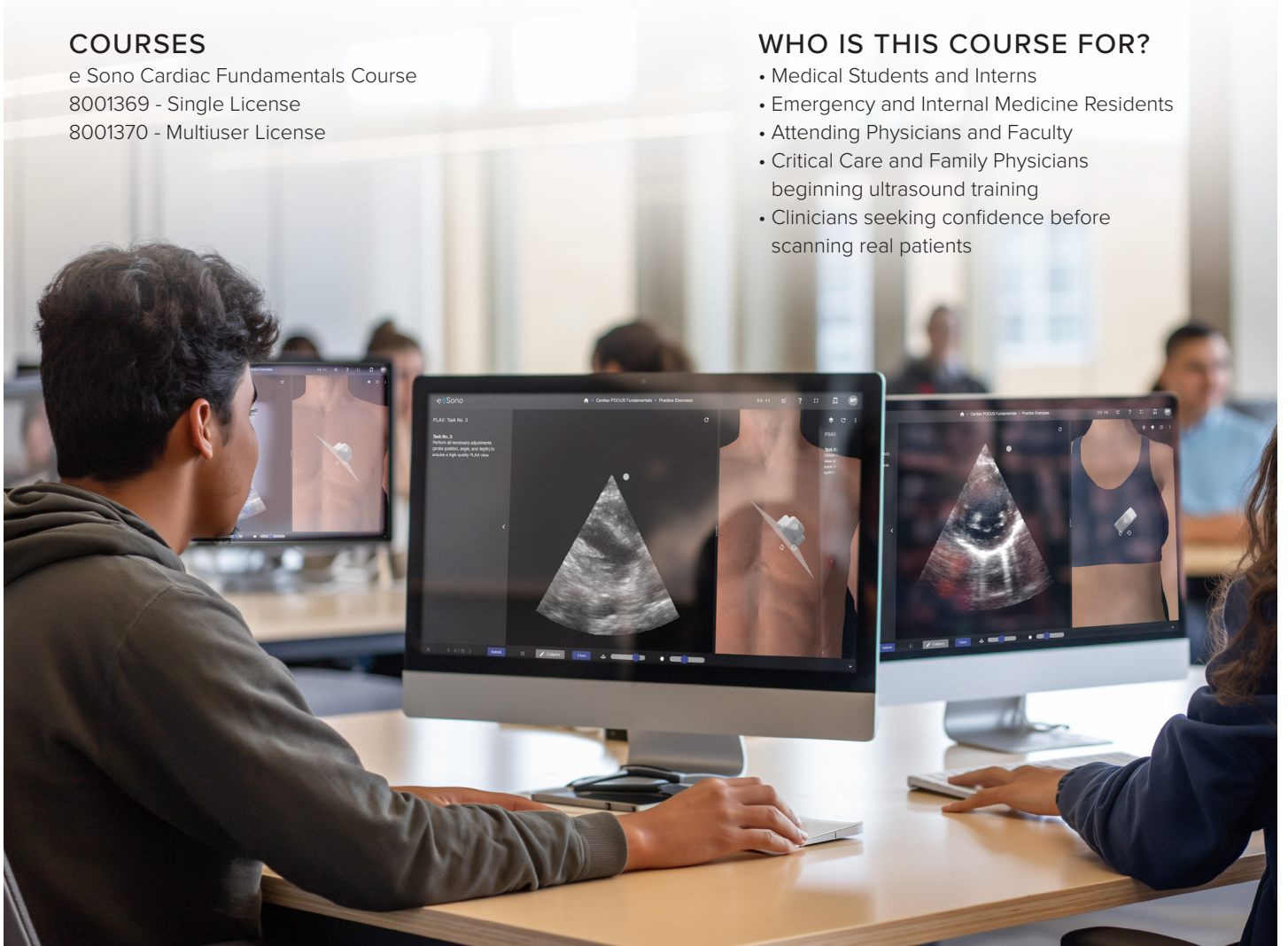
If you are considering incorporating this course into your organization's curriculum for a full semester or longer and require access for multiple users, please reach out to us.

COURSES

e Sono Cardiac Fundamentals Course
8001369 - Single License
8001370 - Multiuser License

WHO IS THIS COURSE FOR?

- Medical Students and Interns
- Emergency and Internal Medicine Residents
- Attending Physicians and Faculty
- Critical Care and Family Physicians beginning ultrasound training
- Clinicians seeking confidence before scanning real patients



CONTENT

Module	Sex	Topic
Introduction & Anatomy Exercises	Female	Normal anatomy
Parasternal Views	Female	Normal anatomy
Parasternal - Tips & Tricks	Female	Normal anatomy
Apical Views	Female	Normal anatomy
Apical - Tips & Tricks	Female	Normal anatomy
Subcostal Views	Female	Normal anatomy
Subcostal - Tips & Tricks	Female	Normal anatomy
PLAX: Practice Exercise No. 1	Male	Normal
PLAX: Practice Exercise No. 2	Female	Mild LV Dysfunction
PLAX: Practice Exercise No. 3	Male	Moderate LV Dysfunction
PSAX: Practice Exercise No. 1	Male	Normal
PSAX: Practice Exercise No. 2	Male	Normal
PSAX: Practice Exercise No. 3	Male	Severe LV Dysfunction
Apical: Practice Exercise No. 1	Male	Severe LV Dysfunction
Apical: Practice Exercise No. 2	Female	Takotsubu Cardiomyopathy
Apical: Practice Exercise No. 3	Male	Moderate LV Dysfunction
Apical: Practice Exercise No. 4	Female	Hyperdynamic LV Function
Subcostal: Practice Exercise No. 1	Female	Arythmia; Mild LV Dysfunction
Subcostal: Practice Exercise No. 2	Female	Hyperdynamic LV Function
Subcostal: Practice Exercise No. 3	Female	Collapsible IVC
Subcostal: Practice Exercise No. 4	Male	Moderate LV Dysfunction
Subcostal: Practice Exercise No. 5	Female	Dilated IVC

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



3B Scientific Group

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