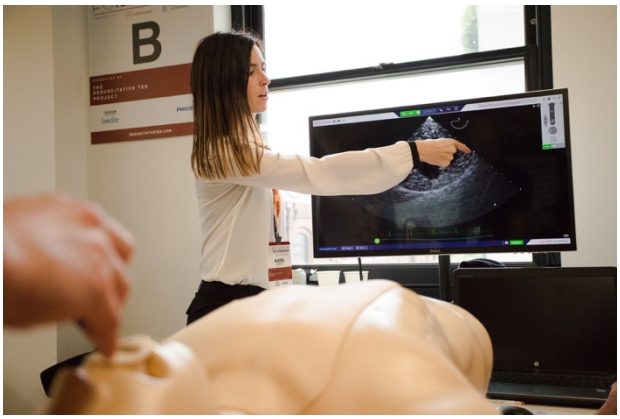
THE RESUSCITATIVE TEE WORKSHOP

What is the Resuscitative TEE Workshop?

An innovative, practical and multidisciplinary course aimed to provide clinicians with the fundamental knowledge and motor skills, to perform focused transesophageal echocardiography (TEE) in critically-ill patients.

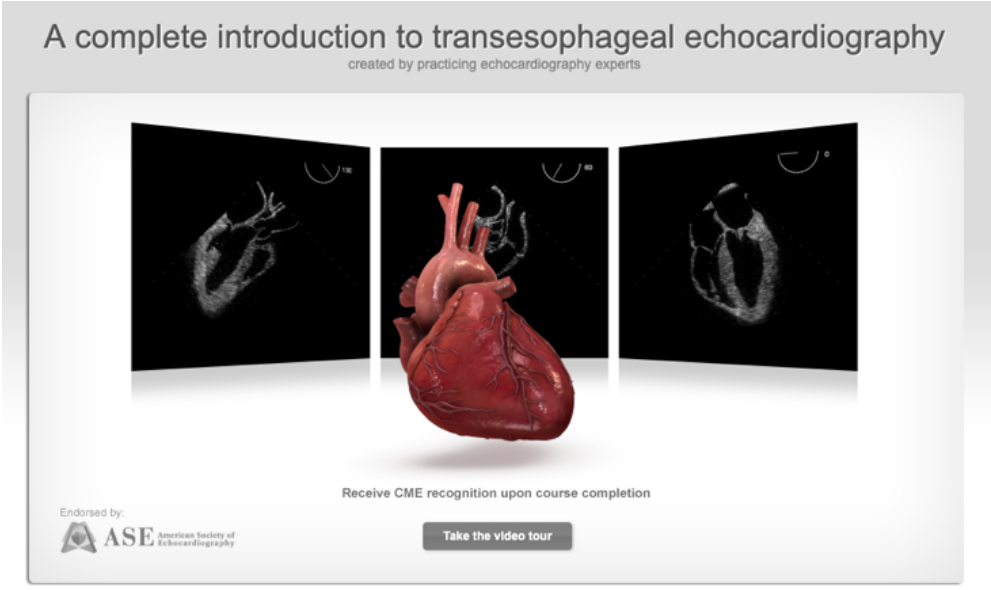
Who is this workshop designed for?



- Emergency physicians
- Critical Care Physicians
- Anesthesiologists
- Other providers practicing in resuscitation settings (i.e. Trauma Surgeons, Physician Assistants, etc.)

COURSE FORMAT

#TheResusTEEWorkshop consists of an asynchronous learning component (pre-workshop materials are provided) and one live didactic session (the workshop). Selected material for self-study including a temporary license to the HeartWorks e-learn platform (http://learn.heartworks.me.uk) are provided in advance. During the one-day "deep dive" workshop, participants receive didactics and hands-on training using HeartWorks high-fidelity simulators.



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EXPERT GUIDED HANDS-ON TRAINING

Goal-directed simulation using **HeartWorks Eve** simulators. Teaching TEE hundreds of hours, we learnt that a key aspect for a highly efficient training experience, is to spend several hours of structured, guided practice on the high-fidelity simulator. We have partnered with **Intelligent Ultrasound** to ensure that participants are not just getting "a taste" of TEE, but actually becoming proficient at it.

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SMALL GROUP DIDACTICS COVERING CLINICAL INTEGRATION

Our group of experts has developed brief presentations demonstrating high-yield examples of TEE cases and how the skills learned in this course apply to clinical practice.

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SMALL GROUP DIDACTICS COVERING FUNDAMENTALS OF TEE-ORIENTED CARDIAC ANATOMY

We have developed cutting-edge educational tools to teach key cardiac anatomy concepts. Using a multi modal approach that involves slides, HeartWorks software and 3D printed heart models, participants are able to understand difficult concepts related to cardiac anatomy and spatial orientation.

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PROBE INSERTION AND TEE SAFETY

No other course or training program offers an opportunity to learn and practice the different techniques for safe and efficient probe insertion. The course includes one-on-one guided practice of TEE probe insertion technique using a novel trainer developed for this purpose by Syndaver Labs and The Resuscitative TEE Project.

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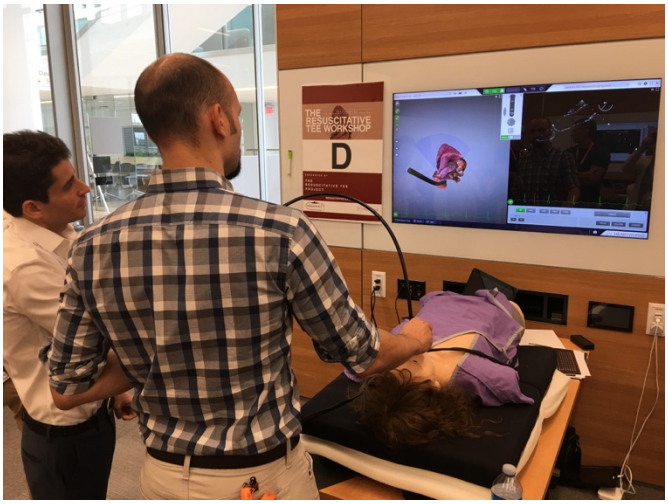
PRACTICAL ASSESSMENT

One-on-one evaluation to demonstrate skill acquisition and competency: An optional, hands-on examination to allow participants demonstrate skill acquisition and competency in focused TEE examination will be available at the end of the workshop.

This is a 1:1 evaluation by one of the faculty and will test the both motor and cognitive competency participants. This optional assessment can be particularly useful for physicians leading the development of TEE programs at their institutions. Participants who choose to take the assessment, will be provided a competency checklist with log of examinations if successfully performed.



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MAKING IT HAPPEN: Q&A ON IMPLEMENTATION OF RESUSCITATIVE TEE

Q&A with expert faculty panel discussing practical aspects of resuscitative TEE including: pearls and pitfalls, program implementation, training, credentialing, equipment purchases and maintenance.

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EDUCATIONAL OBJECTIVES

At the end of the workshop, participants will be able to:

- Acquire the focused TEE views
- Correctly identify cardiac anatomy
- Identify basic pathological conditions

SPECIFIC GOALS:

Through the review of pre-workshop resources and the didactics held during the one-day workshop, we aim to provide participants with the following skills:

Motor Skills:

- Probe insertion
- Image acquisition

Cognitive Skills

- Understand principles of TEE operation: transducer controls and understanding of different planes of movement necessary to generate images
- Relevant cardiac anatomy and spatial orientation
- Rationale and evidence for a focused TEE protocol

Image Interpretation:

- Identification of normal anatomy in all four basic views
- Correlation with anatomy in TTE views
- Identification of basic pathological conditions

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