Ultrasound Training for Combat Casualty Care & Military Force Readiness

Comprehensive Ultrasound Training Ecosystem

Integrate Resources

Apply SonoSim LiveScan

Study Tools

Practice Procedures

Scan SonoSimulator

Learn Courses

Bedside Clinical Practice

Track Performance Tracker

See the Ecosystem in Action
Military Force Readiness

Leverage Ultrasound for Key Military Force Care Applications

Hand-carried ultrasonography has become an integral part of the Military Health System (MHS), both in combat casualty care (CCC) during deployment and in the delivery of care to the beneficiaries of the TriCare system.

It has key applications in the care of wounded warriors from in-theatre point-of-injury through return to the continental United States.

The many barriers to successfully getting learners to competency through traditional training methods tend to limit widespread adoption of ultrasound within both military and civilian health systems. Barriers include:

- Limited Ultrasound-Trained Faculty
- Inconsistent Access to Pathology
- Lack of Ultrasound Machines
- No Performance Assessment Resources
- Restricted Time Within Existing Curriculum
- Funding

Developed under a DoD SBIR contract, SonoSim has revolutionized ultrasound education with an innovative approach that addresses the historical barriers.
Comprehensive Ultrasound Training Ecosystem

Supports Bedside Clinical Scanning

- Apply U/S knowledge in medical decision-making
- Integrate ultrasound into curricula
- U/S-guided procedure training with real-time feedback
- Provide unlimited scanning of real patient pathology
- Case-based learning & reference tools advance training on-the-go
- Streamline performance tracking & image review
- On-demand access to world-class ultrasound educators

**Bedside Clinical Practice**
SonoSim complements bedside learning & accelerates the path to ultrasound competency
# Train & Evaluate Critical Ultrasound Skills

**Real Pathological Scanning Cases with a Variety of Pathophysiologic States**

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| **ABDOMINAL AORTA**          | • AAA Identification  
• Hypo- & Hypervolemic IVCs                                                                                                             |
| **BILIARY TRACT**            | • Gallbladder Evaluation  
• CBD Evaluation  
• Cholelithiasis  
• Cholecystitis                                                                 |
| **BOWEL**                    | • Appendicitis  
• Small Bowel Obstruction  
• Pathological Gas  
• Intussusception  
• Normal GI Tract                                                                 |
| **DEEP VEIN THROMBOSIS**     | • POCUS DVT Exam Protocol  
• DVT Identification & Management  
• Common Femoral, Femoral, Deep Femoral, & Popliteal Thrombi                                                             |
| **ECHO & HD ASSESSMENT**     | • Fundamental Cardiac Views  
• EF Qualitative Measurements  
• Pericardial Effusions & Cardiac Tamponade  
• Valvular Regurgitation & Stenosis  
• LVAD Echocardiography  
• Resuscitative TEE                                                                 |
| **FIRST TRIMESTER PREGNANCY**| • Transabdominal  
• Transvaginal  
• Detecting Pregnancy Failure  
• OB/GYN Pathologic Conditions                                                                                                    |
| **OCULAR**                   | • Ocular Trauma  
• Vitreous Hemorrhage & Detachment  
• Retinal Detachment  
• Optic Nerve & ICP Evaluation                                                                                                     |
| **PHYSICS & INSTRUMENTATION**| • Imaging Artifacts  
• Imaging Modes  
• Doppler Modes  
• U/S System Operation  
• Transducer Basics                                                                                                                |
| **PROCEDURAL GUIDANCE**      | • Central & Peripheral Vascular Access  
• Pericardiocentesis, Paracentesis, & Thoracentesis  
• MSK Shoulder Injections  
• MSK Ankle Injections                                                                                                             |
| **SOFT TISSUE & MSK**        | • Normal Joint & Structure Exams  
• Fractures  
• Abscesses & Hematoma  
• Joint Effusion                                                                                                                     |
| **THORACIC - AIRWAY**        | • Pneumothorax  
• Pleural Effusion  
• Alveolar Interstitial Syndromes  
• Endotracheal Tube Localization & Confirmation  
• Pediatric Lung                                                                                                                   |
| **TRAUMA**                   | • FAST, eFAST, & RUSH Exams  
• Abdominal Free Fluid  
• Pneumothorax & Hemothorax  
• Pleural Effusion  
• Pericardial Effusion                                                                                                              |
| **URINARY TRACT**            | • Mild, Moderate, & Severe Hydronephrosis  
• Renal Calculi  
• Bladder Volume Measurements  
• Normal Bladder & Renal Scans                                                                                                      |
Supporting Ultrasound Training with Military & VA Partners

1. Surface Warfare Medical Institute, San Diego, CA
2. Naval Medical Center, San Diego, CA
3. Naval Expeditionary Medical Training Institute, Camp Pendleton, CA
4. Naval Expeditionary Medical Training Institute, Los Angeles, CA
5. Cal Vet Redding, Sacramento, CA
6. Madigan Army Medical Center, Tacoma, WA
7. Air Force Academy, Colorado Springs, CO
8. MEDDAC: Evans Army Community Hospital, Fort Carson, CO
9. Cannon Air Force Base, Curry County, NM
10. VA Healthcare System, Fargo, ND
11. VA Black Hills Healthcare System, Fort Meade, SD
12. VA Black Hills Healthcare System, Hot Springs, SD
13. Royal C Johnson Veterans Memorial Medical Center, Sioux Falls, SD
14. VA Medical Center, Omaha, NE
15. Army-Baylor University, Waco, TX
16. Central Texas VA Healthcare System, Temple, TX
17. VA Healthcare System, Saint Cloud, MN
18. 934th Air Mobility Command, Minneapolis, MN
19. VA Health System, Minneapolis, MN
20. VA Healthcare System, Des Moines, IA
21. VA Healthcare System, Iowa City, IA
22. Kansas City VA Medical Center, Kansas City, MO
23. C-STARS, St. Louis, MO
24. Scott AFB Family Medicine, Scott AFB, IL
25. FEMA Center for Domestic Preparedness, Huntsville, AL
26. Louis Stokes Cleveland VA Medical Center, Cleveland, OH
27. USAF School of Aerospace Medicine, Wright-Patterson AFB, OH
28. VA Medical Center, Dayton, OH
29. C-STARS, Cincinnati, OH
30. VA Medical Center, Syracuse, NY
31. James A Peters VA Medical Center, Bronx, NY
32. VA NY Harbor Healthcare System, New York, NY
33. Wilkes - Barre VA Medical Center, Wilkes-Barre, PA
34. C-STARS, Baltimore, MD
35. Uniformed Services University of The Health Sciences, Bethesda, MD
36. Defense Logistics Agency (DLA Troop Support), Fort Belvoir, VA
37. Naval Medical Center, Portsmouth, VA
38. McGuire VA Medical Center, Richmond, VA
39. Fort Bragg - JSOC, Fort Bragg, NC
40. Womack Army Medical Center, Fort Bragg, NC
41. Fort Bragg - JSOC, Fort Bragg, NC
42. Dwight David Eisenhower Army Medical Center, Fort Gordon, GA
43. Martin Army Community Hospital, Benning, GA
44. 1st Special Operations Medical Group, Hurlburt Field, FL
45. AFE/TSU, Simulation Center, Eglin AFB, FL
46. Naval Hospital Simulation Center, Jacksonville, FL
47. James A. Haley Veterans Hospital, Tampa, FL
48. Bruce W. Carter VA Medical Center, Miami, FL
49. Tripler Army Medical Center, Tripler AMC, HI
50. U.S. Naval Hospital, Naples, Italy
51. U.S. Naval Hospital, Guam

Outside United States

52. U.S. Naval Hospital, Naples, Italy
53. U.S. Naval Hospital, Guam
Join SonoSim

1,650+ Institutions
160+ DMS Programs
80+ Medical Topics
1,000+ Scanning Cases

120,000+ Members
40+ Global Distributors
275+ CME Credit Hours*

Purchase Information

1. Email government@sonosim.com
2. SonoSim Inc. is Manufacturer and Sole Source Distributor within the USA
3. SonoSim solutions are listed on government purchasing sites:
   - Medical Electronic Catalog (DLA ECAT: SPE2DH-15-D-0017)
   - GSA Advantage (Contract number: GS-02F-195AA)
4. Military and Civilian References are available upon request

The Easiest Way to Learn & Teach Ultrasonography™

*Approved for AMA PRA Category 1 Credits™