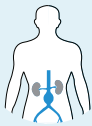




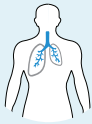
Ultrasound Training Designed for Physician Assistants

Point-of-care ultrasound performed by trained practitioners has been documented to **improve patient outcomes and experiences.**



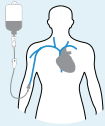
Provide faster diagnoses of critical conditions^{1,2}

E.g., Leaking AAA and ruptured ectopic pregnancy



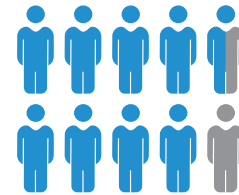
Decrease procedural complications³

E.g., Pneumothorax following thoracentesis



Reduce delays in care⁴

E.g., Faster IV antibiotic administration in difficult access patients



84%
of PAs

indicated that their clinical rotation ultrasound training was **insufficient** to prepare them for clinical practice.⁵



With SonoSim's blended learning approach, PAs are better prepared for clinical settings.

Blended learning allows students to do the majority of didactic learning and initial scanning practice outside the classroom. **This self-directed learning will improve PA student and practitioner diagnostic and management capabilities and will lead to improved patient care.**

On-the-Job Benefits:

- Develop comprehensive ultrasound knowledge and proficiency
- Assist in ultrasound-guided procedures and surgeries
- Meet training program and/or job-specific ultrasound proficiency requirements

Research Shows that SonoSim is...



Equally effective as live instruction in ultrasound image acquisition training⁶



More effective than live instruction in ultrasound image interpretation training⁷



Able to **uniformly train & assess** any number of learners⁸

Offering a Diverse Curriculum to Fit All Training Needs

SonoSim facilitates the delivery of standardized ultrasound training tailored to meet distinct learning needs from **fundamental to advanced topics covering a broad spectrum of pathologic conditions** and ultrasound skills.

<p style="text-align: center;">Cardiac</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Pericardial Effusion • Left Ventricular Systolic Dysfunction (Mild-to-Severely Diminished Function) • Right Heart Strain • Right Atrial Pressure Assessment • Cardiac Chamber Enlargement • Pulmonary Hypertension • Valvular Dysfunction • Cardiac Doppler Applications <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Heart • Cardiology: Core Clinical • FoCUS: Part I & II 	<p style="text-align: center;">Pulmonary</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Pleural Effusion • Pneumothorax • Alveolar-Interstitial Syndrome • Pneumonia • Lung Consolidation • Pulmonary Edema • Pulmonary Embolism • Thickened Plural Lining • Pathologic B-Lines <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Lungs • Pulmonary: Core Clinical 	<p style="text-align: center;">Genitourinary & Small Parts</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Mild & Moderate Hydronephrosis • Renal Stones & Cysts • Bladder & Prostate Assessment <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Adrenal Glands • Bladder • Prostate • Renal • Scrotum • Thyroid • Bladder: Core Clinical • Renal: Core Clinical • Ocular: Core Clinical 	<p style="text-align: center;">Vascular</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Abdominal Aortic Aneurysm • Deep Vein Thrombosis • IVC & Volume Assessment <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Aorta/IVC • Arm-Arterial • Arm-Venous • Cerebrovascular • Leg-Arterial • Leg-Venous • Aorta/IVC: Core Clinical • DVT: Core Clinical • RUSH: Core Clinical
<p style="text-align: center;">Abdominal</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Peritoneal Free Fluid Evaluation • Cholelithiasis • Acute Cholecystitis • Chronic Liver Disease • Appendicitis • Splenomegaly <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Aorta/IVC • Biliary Tree • GI Tract • Liver • Pancreas • Spleen • Aorta/IVC: Core Clinical • eFAST Protocol: Core Clinical • FAST Protocol: Core Clinical • Intestinal/Biliary: Core Clinical 	<p style="text-align: center;">OB/GYN</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Transvaginal Scanning • Gestational Age Measurements • Placenta & Amniotic Fluid Evaluation • Determine Fetal Presentation • Simple & Complex Adnexal Cysts • Abnormal Uterine Bleeding <p>Relevant Modules</p> <ul style="list-style-type: none"> • Fundamentals of Ultrasound • Female Pelvis • OB/GYN: Core Clinical • First-Trimester Pregnancy • Second- & Third-Trimester Pregnancy: Part I & II • GYN Normal Uterus • GYN Abnormal Uterus: Part I & II • GYN Normal Adnexa • GYN Nonmalignant & Malignant Adnexal Conditions 	<p style="text-align: center;">MSK</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Abscess v. Cellulitis • Joint Effusions • Tendinopathy • Fractures <p>Relevant Modules</p> <ul style="list-style-type: none"> • Introduction to MSK • Ankle • Elbow • Foot • Hand & Finger • Hip • Knee • Shoulder • Soft Tissue • Spine • Wrist • Musculoskeletal: Core Clinical • Soft Tissue: Core Clinical 	<p style="text-align: center;">Procedures</p>  <p>Highlights</p> <ul style="list-style-type: none"> • Place Internal Jugular Lines • Place Subclavian Lines • Place Femoral Lines • Place Peripheral Venous Lines <p>Relevant Modules</p> <ul style="list-style-type: none"> • Introduction to Ultrasound-Guided Procedures • Ultrasound-Guided Femoral Line Placement • Ultrasound-Guided Internal Jugular Vein Cannulation • Ultrasound-Guided Subclavian Vein Cannulation • Peripheral Venous Access