

In 2016, the Canadian Internal Medicine Ultrasound (CIMUS) group gathered key leaders from Internal Medicine residency programs to compile the first ever [Internal Medicine Point-of-Care Ultrasound Curriculum Consensus Recommendations](#). These recommendations outline the minimum POCUS applications to be added to IM programs. The award-winning, patented SonoSim Ultrasound Training Solution assists IM programs in fulfilling these curriculum recommendations through an ecosystem of **cloud-based courses, knowledge assessments, interactive SonoSimulator® scanning cases, performance tracking, and access to real-patient pathology.**

Core PGY 1-3 Curriculum		
Recommended Volume Status Applications	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Inferior Vena Cava	<i>Aorta/IVC: IVC Evaluation, IVC Case Studies</i> <i>Cardiology: IVC Evaluation & RAP</i> <i>RUSH: The Tank - Intravascular Volume</i>	<i>Aorta/IVC Cases</i> <i>RUSH Cases</i> <i>SonoSim LiveScan® Cardiac Resuscitation & Critical Care Cases</i>
Recommended Lung Applications	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
B Lines	<i>Pulmonary: Alveolar Interstitial Syndrome</i> <i>Pediatric Lung Sonography: Sonographic Anatomy, Case Studies</i>	<i>Pulmonary Cases</i> <i>RUSH Cases</i> <i>Pediatric Lung Sonography Cases</i> <i>Pediatric Challenge Cases</i> <i>Pulmonary Challenge Cases</i> <i>SonoSim LiveScan® Cardiac Resuscitation & Critical Care Cases</i>
Pleural Effusion	<i>Pulmonary: Pleural Effusion</i> <i>Pediatric Lung Sonography: Sonographic Anatomy, Case Studies</i>	<i>Cardiology Cases</i> <i>eFAST Cases</i> <i>FoCUS Part I Cases</i> <i>Pulmonary Cases</i> <i>RUSH Cases</i> <i>Pediatric Lung Sonography Cases</i> <i>SonoSim LiveScan® Cardiac Resuscitation, Critical Care, & Trauma Care Cases</i>
Recommended Abdomen Applications	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Free Fluid/Ascites	<i>eFAST/FAST: All Lessons</i> <i>Intestinal/Biliary: Gallbladder Evaluation</i> <i>Paracentesis: All Lessons</i>	<i>Bladder Cases</i> <i>eFAST/FAST Cases</i> <i>Intestinal/Biliary Cases</i> <i>Paracentesis Cases</i> <i>Abdomen Challenge Cases</i> <i>SonoSim LiveScan® Genitourinary, Hepatobiliary, & Trauma Care Cases</i>
Recommended Procedure Guidance Applications	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Central Venous Catheterization	<i>Introduction to US-Guided Procedures: All Lessons</i> <i>US-Guided Femoral Line Placement: All Lessons</i> <i>US-Guided Internal Jugular Vein Cannulation: All Lessons</i> <i>US-Guided Subclavian Vein Cannulation: All Lessons</i>	<i>Introduction to US-Guided Procedures Cases</i> <i>US-Guided Femoral Line Placement Cases</i> <i>US-Guided Internal Jugular Vein Cannulation Cases</i> <i>US-Guided Subclavian Vein Cannulation Cases</i>
Thoracentesis	<i>Thoracentesis: All Lessons</i>	<i>Thoracentesis Cases</i>
Paracentesis	<i>Paracentesis: All Lessons</i>	<i>Paracentesis Cases</i>

Expanded PGY 4-5 Curriculum*		
Recommended Lung Status Applications*	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Consolidation	<i>Pulmonary: Case Studies: Lung Consolidation Advanced Pediatric Lung Sonography: Sonographic Anatomy, Sonographic Technique, Case Studies</i>	<i>Pulmonary Cases RUSH Cases Pediatric Lung Sonography Cases Thoracentesis Cases Pulmonary Challenge Cases SonoSim LiveScan® Critical Care Cases</i>
Pneumothorax	<i>Pulmonary: Case Studies: Pneumothorax Rule-Out, Case Studies: Pneumothorax Rule-In Pediatric Lung Sonography: Sonographic Anatomy, Case Studies</i>	<i>eFAST Cases Pulmonary Cases Advanced Pediatric Lung Sonography Cases SonoSim LiveScan® Cardiac Resuscitation & Trauma Care Cases</i>
Recommended Soft Tissue/MSK Applications*	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Knee Effusion	<i>Musculoskeletal: Effusion Evaluation</i>	<i>Musculoskeletal Cases</i>
Recommended Cardiac Applications*	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Gross Left Ventricular Systolic Function	<i>Cardiology: Parasternal Long-Axis View, Parasternal Short-Axis View: Mid-Ventricle, Apical Four-Chamber View, Subcostal Four-Chamber View, IVC Evaluation & RAP, Case Studies FoCUS – Part I: Case Studies I, Case Studies II FoCUS – Part II: Echocardiographic Techniques</i>	<i>Cardiology Cases FoCUS Part I & II Cases</i>
Pericardial Effusion	<i>Cardiology: Parasternal Short-Axis View: Mid-Ventricle, Subcostal Four-Chamber View, Case Studies Pericardiocentesis: All Lessons RUSH: The Pump - Global LV Function, Case Studies</i>	<i>Cardiology Cases eFAST Cases FoCUS Part I Cases Pericardiocentesis Cases RUSH Cases SonoSim LiveScan® Cardiac Resuscitation, Critical Care, Early Stage Pregnancy, Late Stage Pregnancy, & Trauma Care Cases</i>
Right Ventricular Strain	<i>Cardiology: Parasternal Short-Axis View: Mid-Ventricle, Apical Four-Chamber View, Subcostal Four-Chamber View, Case Studies FoCUS Part I: Case Studies I, Pulmonary Artery Pressure Measurements, Case Studies II</i>	<i>FoCUS Part I & II Cases</i>
Recommended Procedure Guidance Applications*	SonoSim Courses & Lessons	Relevant SonoSimulator Cases
Peripheral Venous Catheterization	<i>Peripheral Venous Access: All Lessons</i>	<i>Peripheral Venous Access Cases</i>

*The curriculum recommendations for PGY 4-5 can be relevant for Canadian Internal Medicine residency programs, Internal Medicine fellowships, or US Internal Medicine residency programs who would like to cover more advanced topics within a traditional three-year program. The curriculum for PGY 4-5 assumes that the learner has already completed the curriculum for PGY 1-3. If not, the learner should complete both the Core PGY 1-3 and Expanded PGY 4-5 Curriculums.

PGY 4-5 Applications Not Covered:

Volume Status - Internal Jugular Vein

Procedure Guidance - Arterial Line Insertion, Arterial Blood Gas Sampling, Knee Arthrocentesis