Introduction to Combined
Emergency Medicine Ultrasound and Advanced Emergency Medicine & Critical Care Ultrasound
September 16 - 18, 2019

Monday, September 16, 2019		
7:30	Welcome and Continental Breakfast	
7:45	Interactive Polling Session	
8:00	Imaging Fundamentals	Lori Green, BA, RT, RDMS, RDCS, RVT
8:45	Break	
8:55	OB-GYN Anatomy/Exam	James Mateer, MD, RDMS
9:45	Break	
9:55	Ectopic Pregnancy	James Mateer, MD, RDMS
10:40	Break	
10:50	OB Cases + Abortion	James Mateer, MD, RDMS
11:50	Break	
11:55	Fundamentals of Needle Guidance	James Mateer, MD, RDMS
12:30	Lunch	
12:45	Optional Video Lecture: PID & Masses	James Mateer, MD, RDMS
1:30	Hands-On Scanning: GYN/System Opt/Needle Guidance (phantoms)	
5:00	Adjourn	

Tuesday, September 17, 2019		
7:30	Continental Breakfast	
7:40	Interactive Polling Session	
7:45	Ultrasound-Guided Vascular Access	Bret P. Nelson, MD, RDMS, FACEP
8:45	Break	
9:00	Abdominal Scanning Fundamentals	Lori Green, BA, RT, RDMS, RDCS, RVT
10:00	Break	
10:05	FAST + e-fast	Bret P. Nelson, MD, RDMS, FACEP
11:05	Break	
11:15	Focused 2D Cardiac Exam (F.A.T.E.)	James Mateer, MD, RDMS
12:15	Lunch	
12:30	Optional Video Lecture: Abscess & Joint Aspiration	James Mateer, MD, RDMS
1:30	Hands-On Scanning: E- FAST & Syst Opt/Cardiac/VA	
5:00	Adjourn	
5:15-6:30	Optional Welcome Reception & System Demonstrations	

Wednesday, September 18, 2019		
7:30	Continental Breakfast	
7:45	Biliary & Renal Colic	James Mateer, MD, RDMS
8:40	Break	
8:50	AAA & Case Studies	James Mateer, MD, RDMS
9:20	Break	
9:25	Evaluation of DVT	Bret P. Nelson, MD, RDMS, FACEP
10:00	Evaluation of Cardiac Arrest, Shock & Hypotension	Bret P. Nelson, MD, RDMS, FACEP
11:00	Break	
11:10	Ultrasound-Guided Procedures: Pericardiocentesis, Paracentesis, Hemothorax, Lumbar Puncture, ET	Alexander Levitov, MD, RDCS, FCCM, FCCP
12:10	Interactive Polling Session with discussion	
12:25	Lunch	
12:45	Optional Lecture: Training & Credentialing	All Faculty
1:30	Hands-On Scanning: Abd/FAST, Cardiac, DVT/Procedures	
5:00	Adjourn	

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Thursday, September 19, 2019		
7:30	Welcome and Continental Breakfast	
7:40	Interactive Polling Session	
7:50	ABC's: Sonography in Shock & Source of Sepsis - Gallbladder & Biliary Tree - Appendix - Bowel Obstruction - Peritonitis & Abscess - Pyelonephritis	James Mateer, MD, RDMS
9:20	Break	
9:30	Fluid Responsiveness in the Critically Ill	Alexander Levitov, MD, FCCM, FCCP, RDCS
10:10	Break	
10:20	Advanced Non-Cardiac Chest: - Sinuses - Larynx & Trachea - Lung & Pleura	Alexander Levitov, MD, FCCM, FCCP, RDCS
11:20	Break	
11:30	Ultrasound Guided Peripheral Vascular Access: Challenges, Pitfalls/Tips & Tricks	Charlotte Derr, MD, RDMS, FACEP
12:30	Lunch	
12:45	Optional Video Lecture: Color Doppler Ultrasound: The Fundamentals	Lori Green, BA, RDMS, RDCS, RVT
1:30	Hands-On Scanning	
5:00	Adjourn	

Friday, September 20, 2019			
7:30	Welcome and Continental Breakfast		
7:45	Interactive Cases: What's Your DX?	James Mateer, MD, RDMS Charlotte Derr, MD, RDMS, FACEP Alexander Levitov, MD, FCCM, FCCP, RDCS	
8:30	Break		
	Split Lecture Sessions: Choose Your Track		
	CRITICAL CARE ULTRASOUND: Scan Lab		EMERGENCY MEDICINE: Main Lecture Room
8:45	Cardiac Doppler & Focused Calculations Presented by: Dan Bourque, MS, RCS, FASE	8:45	Sonography of the Acute Scrotum: Presented by: James Mateer, MD, RDMS
9:30	Break		
9:40	Echo Assessment of Cardiomyopathies & Heart Failure: Presented by: Alexander Levitov, MD, FCCM, FCCP, RDCS	9:40	Advanced EM Applications: -Evaluation of Soft Tissue for Abscess Identification -Foreign Body Detection -Musculoskeletal Applications -Evaluation of Bony Cortices for Rapid Fracture Diagnosis/Post-Reduction Bony Alignment -Evaluation of the EYE for Selected Ocular Emergencies Presented by: Charlotte Derr, MD, RDMS, FACEP
10:40	Break		
10:45	MI & Complications Presented by: Alexander Levitov, MD, FCCM, FCCP, RDCS	11:10	Break
11:45	Evaluation of the Right Heart Presented by: Alexander Levitov, MD, FCCM, FCCP, RDCS	11:20	Nerve Blocks in the ED: -Forearm, Femoral & Selected Ankle Blocks Presented by: Charlotte Derr, MD, RDMS, FACEP
12:25	Break: All Return back to Main Lecture Room		
12:30	Interactive Polling with Discussion		
12:40	Lunch on your own		
1:30	Hands-On Scanning		
5:00	Adjourn		