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| Tuesday, January 22, 2019 |
| **7:30** | **Welcome and Continental Breakfast** |
| **7:40** | **Interactive Polling Session** |
| **7:45** | **Ultrasound-Guided Vascular Access** | **Bret Nelson, MD, RDMS, FACEP** |
| **8:45** | **Break** |
| **9:00** | **Abdominal Scanning Fundamentals** | **Brian Schenker, MBA, RDMS, RVT** |
| **10:00** | **Break** |
| **10:05** | **FAST + e-fast** | **Bret 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: E- FAST & Syst Opt/Cardiac/VA** |
| **5:00** | **Adjourn**  |
| **5:15-6:30** | **Optional Welcome Reception & System Demonstrations** |

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| Wednesday, January 23, 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 Nelson, MD, RDMS, FACEP** |
| **10:00** | **Evaluation of Cardiac Arrest, Shock & Hypotension**  | **Bret 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 Lunch Lecture: Training & Credentialing**  | **All Faculty** |
| **1:30** | **Hands-On Scanning: Abd/FAST, Cardiac, DVT/Procedures** |
| **5:00** | **Adjourn** |

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| Thursday, January 24, 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**  | **Andreas Dewitz, 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** |
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| Friday, January 25, 2019 |
| **7:30** | **Welcome and Continental Breakfast** |
| **7:45** | **Interactive Cases: What’s Your DX?**  | **James Mateer, MD, RDMS Andreas Dewitz, 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:****Andreas Dewitz, 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:****Andreas Dewitz, 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** |