

PROGRAM DESCRIPTION

- 832 clinical hours (two 8-hr shifts/week)
- \$120,000 salary
- \$3,750 CME
- Equipment: M9 (4), TE7 (2), Butterfly IQ (5)
- Q-Path archiving

CLINICAL AND TECHNICAL ACUMEN

- 1-2 scanning shifts with faculty per week
- Weekly QA case review with US faculty
- TEE for cardiac arrest
- Non-ED: TEE with Cards, MICU, MSK

RESEARCH AND SCHOLARLY ACHIEVEMENT

- Several ongoing clinical and education research projects, chapter writing
- Monthly EM Research Committee meetings
- EM Research Coordinator for study design, IRB, and statistical support
- EMdocs.net US Probes

OUR HOSPITAL

- Diverse, inner-city location
- Public (county-type) hospital
- High critical care, trauma (Level 1), & procedural volume
- Physician-at-triage, Acute, Trauma, Fast Track, & Pediatric zones, mid-level providers
- Adult double coverage 24/7
- 100,000 patients per year

EDUCATION, THEORY, AND CURRICULAR DESIGN

- Undergraduate Medical Education
 - Longitudinal Medical Student Curriculum
 - Ultrasound Interest Group
 - MS3/4 Electives
- Residency
 - Scanning Rotation
 - Biweekly POCUS Rounds
- Local
 - NJ ACEP POCUS Course
 - Rutgers NJMS POCUS Course
 - NJ Emergency Nurses Conference in Atlantic City
- International
 - Israeli Association of EM POCUS Workshop in Tel Aviv
 - Ghana POCUS course

ADMINISTRATION AND BILLING/REVENUE

- Company liaison, machine maintenance
- Financials with EM Director of Business Ops

OUR DEPARTMENT

- Medical school-based academic department
- 45 full-time faculty
- 4-year residency program (11 residents/year)
- 60% academia/fellowships
- Diversity & Inclusion
 - Faculty (22% URiM, 57% women)
 - Residency (29% URiM, 51% women)

CONTACT

Stephen Alerhand, MD (stephen.alerhand@rutgers.edu)

Emergency Ultrasound Fellowship Director

Stephen Alerhand MD is an Assistant Professor of Emergency Medicine. He serves as Co-Director of the Emergency Ultrasound Division and Director of the Clinical Ultrasound Fellowship. He also directs the Undergraduate Medical Education curriculum that incorporates ultrasound into the learning of anatomy, pathophysiology, and the physical exam. He completed both his Emergency Medicine Residency and Emergency Ultrasound Fellowship at the Icahn School of Medicine at Mount Sinai. During this time, he has been bestowed local and national awards in emergency ultrasound education. In addition to Emergency Medicine, Dr. Alerhand is board-certified in Critical Care Echocardiography (CCeXAM). He has published numerous peer-reviewed studies, reviews, and book chapters in emergency ultrasound and echocardiography. He operates the US Probes section for the EMDocs.net site that receives up to 9,000 views per day. Nationally, Dr. Alerhand serves as Secretary of the American College of Emergency Physicians - Emergency Ultrasound Section. He also serves as Senior Content Editor for the PEERcert+ in Advanced Ultrasound for the Focused Practice Designation in Advanced Emergency Medicine Ultrasonography (AEMUS), as well as a Lecturer for the ACEP-sponsored review course. Internationally, he is the Director of the Annual Critical Care Ultrasound Workshop for the Israeli Association of EM, and has lectured to audiences in Mexico, Spain, Peru, and the Dominican Republic on ultrasound and echocardiography.

Ilya Ostrovsky MD is an Assistant Professor of Emergency Medicine. He received his medical degree and completed residency training as Chief Resident at Rutgers NJMS, and then stayed on as faculty. After residency, he finished the Ultrasound Leadership Academy and then the Resuscitation Leadership Academy. He has a passion for emergency ultrasound, and his true interest lies in the incorporation of ultrasound into the field of critical care. He loves to teach and has received numerous institutional awards such as Attending of the Year by the residents, Rutgers Chancellor Excellence in Education and Teaching Award, the HERE4U Award during the COVID crisis, and the Golden Apple Award for Excellence in Teaching.

Annette Mueller MD MBA is an Assistant Professor of Emergency Medicine. After acquiring her M.B.A. from Harvard University, She completed her medical degree and emergency medicine residency at Kings County/Downstate. She then graduated from fellowship here at the Rutgers New Jersey Medical School. Annette has taken on the role of director of the undergraduate POCUS rotation and is particularly interested in POCUS for undergraduate medical education.

Additional faculty member currently in onboarding

