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MERI

THE BIOMEDICAL SKILLS LABORATORY | MANAGEMENT SYMPOSIUM



Medical
Education &
Research Institute

MERI Vision

MERI will be the leading hands-on medical education and training institute in the world.



COMBINING VIRTUAL, ELECTRONIC, AND ANATOMIC SIMULATION IN THE SAME LAB

- Virtual Simulation
 - 3 Modules
- Task Trainer
 - 7 Models
- Electronic Patient Simulators
 - 9 Electronic Patient Simulators
 - 95 Pre-developed Scenarios
- Anatomical (Procedural Labs)
 - 106 Education and Research Curricula
 - Neurosurgical and Spinal Orthopedic, Pain Management, Vascular, GYN, General Surgery, Airway Management, and Orthopedic



UNIQUE BENEFITS

- Side-by-side use of multiple hands-on teaching modalities
- Visualize anatomical landmarks
- Practice procedural task with life-like feel
- Recirculation of cadaver to provide more realistic environment
- Increase knowledge with clinical equipment, procedures, signs, and symptoms
- Anatomy-Physiology connection

UNIQUE BENEFITS

- Increase skill proficiency and comfort level
- Encloses the learning circle including pre and post training testing and student-faculty debriefing
- Supports all learning styles and all levels of student from novice to expert
- Interactive lecture
- Limits radiation exposure using electronic and virtual tools
- Increases types of students schools can impact

APPLICATIONS

- Hospital and medical group personnel training to build individual, team skills and orient new staff
- National Guard training for medical units
- Public Health EMS
- Department of defense military
- Disaster preparedness
- Multi-disciplinary for pre-licensure, licensure and perhaps future Board certification/privileges delineation



ASSESSMENT

- Areas of Assessment
 - Pre and Post Testing
 - Student
 - Proficiency
 - Competency
 - Confidence
 - Board Assessment
 - High Stakes Examination



CONSIDERATION FOR BEST PRACTICES

SECURE ACCREDITATION

- AATB - www.aatb.org/Certification
- SSH - <http://www.ssih.org/SSIH/ssih/Forums/SSHCommittees/CATS/Certification1/Default.aspx>
- ACS - <http://www.facs.org/education/accreditationprogram/application.html>
- IACET - <http://www.iacet.org/content/about-iacet.html>