



Enhancing Your Peripheral Vision: Understanding and Treating Peripheral Vascular Disease



SIMSUITE[®]
MEDICAL SIMULATION CORPORATION

Peripheral Interventional Lab Staff Orientation

Staff turnover is a significant issue for many cardiac diagnostic and interventional labs across the country. Ensuring your staff members are competent and confident in the ever-increasing numbers of procedures performed is a challenge. Medical Simulation Corporation (MSC) has developed an orientation program to meet this difficult need. The orientation combines hands-on simulation time in the lab with didactic and simulation-based curriculum, designed to create better-prepared staff members and ultimately decrease overall orientation time.

Simulation Procedures

• Renal Artery Diagnostic & Intervention	3 hours
• Iliac Artery Diagnostic & Intervention	3 hours
• Carotid Artery Diagnostic & Intervention	3 hours
• Superficial Femoral Artery	3 hours

Simulation Features

- Didactic Curriculum
 - ◆ Designed to review disease process, pathophysiology, clinical manifestations, procedure overview, and equipment selection
 - ◆ Patient presentation, history, and physical assessment provided
 - ◆ Formulation of patient diagnosis
 - ◆ Formulation of pre- and post-treatment plan
- Interventional Lab Specific Simulation Features
 - ◆ C-arm manipulation with full range of gantry angles
 - ◆ Real-time fluoroscopic images with cine and road-mapping capabilities
 - ◆ Unique 3D patient anatomies
 - ◆ Catheter manipulation with haptic (tactile) feedback
 - Lesion wiring
 - Vessel cannulation and sizing
 - Balloon and stent sizing and placement
 - ◆ Manifold with contrast and inflator capabilities
 - ◆ Over-the-wire and monorail techniques using exchangeable and reusable catheters
 - ◆ Image acquisition
- General Simulation Features
 - ◆ Pharmacologic management
 - Anti-thrombotics, anti-coagulants, and full selection of medications utilized in the interventional catheterization lab

- ◆ Responsive hemodynamics and patient responses including heart rate with 3-lead ECG, systolic and diastolic blood pressure, aortic pressure, and oxygen saturation
- ◆ Adverse event management including hypoxia, hypotension, hypertension, arrhythmias, cardiac arrest, and others
- ◆ Patient outcomes determined by operator decisions and technical abilities
- ◆ Over 800 standard data points captured for immediate performance feedback

Benefits

- Full-time clinical education specialist
 - ◆ Provides clinical and technical assistance with each scenario
 - ◆ Courses customized based on participant's skill level: basic to advanced
 - ◆ One-on-one training
- Increased patient safety—ability to practice procedures in a risk-free environment
- Enhancing competence and confidence® through consistent training
- Integration into Quality Improvement Programs
- Ongoing core competencies and skills assessment
- Decreases preceptor time
- Team training
- Refresher courses
- Flexible training: on demand
- Ability to set up outcomes studies on the impact of simulation training

For more information, contact HealthcareGroup@medsimulation.com.