A less invasive endovascular method for hemorrhage control and resuscitation is Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA). REBOA involves the insertion of a balloon into the aorta, via a femoral access approach, that is subsequently inflated to provide hemostasis. REBOA can be used as a proactive measure when a risk of cardiovascular collapse is identified resulting in prompt control of the hemorrhage, an increase in cardiac afterload and a rise in central aortic pressure as hemostasis is reached.

Innovations such as a new fluoroscopy-free system and recent success in clinical studies have intensified the recommendation of REBOA in treating traumatic injury. Studies demonstrate that REBOA surpasses the aortic cross-clamping procedure—outcomes indicate higher survival rates and fewer early deaths. REBOA is also being re-evaluated as an adjunct for hemorrhage control to address combat injury on the battlefield.

Although REBOA has the potential to save lives, non-vascular surgeons and other practitioners who care for hemorrhagic shock may not consider REBOA use due to lack of knowledge, skills or equipment to perform the procedure. Novice interventionalists, such as emergency physicians and acute care surgeons, should be given opportunities to learn and develop confidence in endovascular skills. CAMLS offers the REBOA Workshop (Resuscitative Endovascular Balloon Occlusion of the Aorta) as an educational activity to bridge the gap. This course will provide learners with comprehensive instruction on REBOA, as well as allow for REBOA practice in a risk-free, simulated environment.

**Schedule:**
- 7:00am - Registration/Continental Breakfast
- 7:30am - Cognitive Pre-test and Confidence Pre-test
- 8:00am - Welcome and Introduction to REBOA
- 8:15am - Introduction to Management of Acute Hemorrhagic Shock
- 8:30am - History of Endovascular Techniques for Aortic Occlusion for Acute Hemorrhagic Shock
- 8:45am - Clinical Indications and Treatment Algorithms for REBOA
- 9:00am - Clinical Case Scenarios
- 9:30am - Updated Outcomes and Current Evidence for use of REBOA
9:45am - Break
10:00am - Introduction to Aortic, Iliac and Femoral Artery Anatomy/Introduction to Concept of Aortic Zones: I, II, III
10:15am - Introduction to Instruments used in REBOA/Endovascular Equipment and Open Vascular Equipment
10:30am - Basic Skills Demonstration of Endovascular Equipment/Instruments Hands-On Tabletop Demonstration
10:45am - REBOA Protocol - Practical Procedural Considerations
11:15am - REBOA Protocol - Technical Steps
11:45am - Lunch
12:15pm - REBOA Skill Tasks - Hands-On Skills Training
2:30pm - Break
2:45pm - REBOA Skill Assessment/Cognitive and Confidence Post-Tests
4:45pm - Adjourn

Lodging:
Partner Hotels: CAMLS has three partner hotels in the area all of which offer special “CAMLS Discounts”. Please visit the Partner Hotels page here and click on the individual hotels to see which hotel best fits your needs. You may also call each hotel and ask for the CAMLS rate.

The Marriott Courtyard: Marriott Courtyard Tampa Downtown at 102 E Cass St, Tampa, Florida 33602 is also offering a discounted rate. The hotel is a 5 minute walk from CAMLS and has complimentary morning and evening shuttle service. Follow this link to access their discounted rate. Or call the hotel at 813-229-1100 and ask for the CAMLS preferred rate.

Course Directors:
Mark Mattos, MD
Vascular Surgeon, Michigan Vascular Center
Associate Program Director, Vascular Surgery Fellowship
Michigan State University-Michigan Vascular Center
Flint, MI

Gerald Fortuna, MD
Col, USAF, MC, SFS
Director, CSTARS St. Louis
Washington University Depts of Trauma and Vascular Surgery
St. Louis, MO

Zaffer Qasim, MBBS FCEM FRCPC(EM)
Emergency Physician
Departments of Emergency Medicine
Christiana Care Health System and University of Maryland St Joseph’s Medical Center

Peter Nelson, MD, MS
Associate Professor of Surgery and
Molecular Pharmacology and Physiology
Associate Chairman, Surgery Research and Innovation
USF Morsani College of Medicine

Faculty:
Mark Mattos, MD
Vascular Surgeon, Michigan Vascular Center
Associate Program Director, Vascular Surgery Fellowship
Michigan State University-Michigan Vascular Center
Flint, MI

Gerald Fortuna, MD
Col, USAF, MC, SFS
Director, CSTARS St. Louis
Washington University Depts of Trauma and Vascular Surgery
St. Louis, MO

Zaffer Qasim, MBBS FCEM FRCPC(EM)
Emergency Physician
Departments of Emergency Medicine
Christiana Care Health System and University of Maryland St Joseph’s Medical Center

Peter Nelson, MD, MS
Associate Professor of Surgery and
Molecular Pharmacology and Physiology
Associate Chairman, Surgery Research and Innovation
USF Morsani College of Medicine

Questions:
cpdsupport@health.usf.edu, or call 813-224-7860.

Meeting City and State: Tampa, FL
Meeting Location: CAMLS (Center for Advanced Medical Learning and Simulation) 124 S. Franklin St. Tampa, FL 33602