

2019 SOMSA Program – Labs Only (Mon-Tues)

Day 1: Monday, May 6, 2019 - LABS

Time	Lab Title	Lab Director
0800 - 1700	<p>K9 Tactical Emergency Casualty Care</p> <p>The K9 Tactical Emergency Casualty Care (K9-TECC) course is an 8 hour course that focuses on prehospital tactical casualty care for the injured Operational K9. The goal of prehospital interventions is to eliminate THE MAJOR PREVENTABLE CAUSES OF DEATH with the intent of only providing the medical or surgical procedures necessary to manage problems that immediately threaten life, limb, or eyesight, and to prepare the dog for evacuation to definitive veterinary care. The course incorporates current TCCC and TECC guidelines using the M3ARCH2 PAWS approach with adaptations relative to canine anatomy and physiology.</p>	<p>Lee Palmer Nell Dalton Bruce Carleton Melissa Edwards Sean Smarick</p>
1000 - 1200	<p>Introduction to REBOA for Medics</p> <p>A practical and theoretical session aimed to introduce medics to the use of REBOA. The theoretical portion incorporates real world case studies and will be followed by a practical exercise on simulators that will allow attendees to place an ultrasound assisted REBOA.</p>	<p>Michael Turconi Carmine Della Vella Justin Rapp Kari Jerge Cornelius Powell</p>
1000 - 1500	<p>Wilderness & Austere Medicine</p> <p>No onsite registrations for this lab. Maximum of 45 attendees</p> <p>This lab will involve hands on training in 3 distinct aspects of Wilderness and Austere Medicine. It will be held at the US National Whitewater Center, a world renowned location with access to varied environments for training. Instructors will be experts in their field with experience in training special operations medics, law enforcement and paramedics. Expect to be in three small groups moving between 3 unique stations that will hone your skills and knowledge. The stations will cover an intro to swift water rescue; 3:1 high angle rescue system overview and practice; and wilderness survival basics and techniques.</p> <p>Lab participants will be welcome to stay and enjoy the many outdoor activities offered that the White Water Center offers such as climbing, mountain biking, hiking, zip line, rafting, etc. The lab should conclude no later than 1500 and the park is open until 1800. Those who choose to stay will be required to purchase a pass. Pass Options that will be in addition to lab fee:</p> <p>Day Pass - \$59 per person and good for all activities - https://usnwc.org/visit/passes-tours/</p> <p>Single Activity Pass - \$25 - \$30 per person. Good for one activity for the day.</p> <p>Those staying after the lab should also plan for their own transportation back to town either by Uber or taxi.</p> <p>BUS TRANSPORTATION will be supplied to and from the Charlotte Convention Center to the whitewater center. The bus will load outside the Martin Luther King St. entrance to the convention center at 8:30 am SHARP with arrival at the center at 9:45 am for check-in. The bus will depart the whitewater center at 3:30 pm with arrival back at the convention center at 4:15 pm. If you miss the bus, it will be up to you to find transportation to the whitewater center via Uber or taxi. The address is: 5000 Whitewater Center Parkway, Charlotte, NC 28214.</p> <p>DRESS CODE: "Roughs" field/outdoor work clothes appropriate for the weather and outdoor wear. You will have the opportunity to participate in the water rescue training which will involve getting in the water. If you would like to participate in this hands-on training, I suggest packing clothes you are ok with getting wet and a change of clothes. Bring sun protection and water. There will be food and water available there for purchase as well.</p>	<p>Hunter Winegarner Daniel Burgess Jon Christensen</p>

1000 - 1200	<p>PFC Package in INDOPACOM: Utilizing Existing SOF MES Sets to Repurpose for PFC Capabilities during VIP Support Missions</p> <p>A SOF Truth is that the human is more important than any piece of equipment and the prolonged field care problem set has focused on training these concepts in recent years, given our unsustainable CENTCOM MEDEVAC model. This hands-on laboratory session will focus on how to use existing SOF MES sets and a few adjunct Class 8, in order to provide a PFC capable Role 1(-). Proof of concept was executed from 2017-2018 during several VIP support missions throughout INDOPACOM. Second half of the session will focus on round table discussion of other ideas of equipping SOF units for PFC training events.</p>	Andrew Oh Benjamin Chi Michael Van Gent
1000 - 1200	<p>SOFSono in PFC and Sick-Call Medicine: An Ultrasound Interpretation Lab</p> <p>This lab will focus on PFC and sick-call relevant case interpretation and clinical/operational decision-making process of a SOF medic, rather than technical skills of scanning. During this case-based 2-hour lab, an international team of 2 SOF Medics (USA, Poland) and an emergency physician (USA/Poland) will lead you through a large number of SOF-pertinent ultrasound cases and stimulate a discussion on clinical and operational decisions which can be aided by application of ultrasonography in austere environments. Each case will be led in by a short presentation, i.e. chief complaint, limited history of present illness, pertinent clinical exam findings and vital signs. This will be followed by the ultrasound exam with actual images and/or video clips of pathology and normal findings. We will engage the lab participants in interpretation of all the information obtained, and we will prompt them to discuss patient management, minding any operational limitations in denied areas. We will work interactively with all the participants.</p>	Kasia Hampton Christopher Dare
1000 - 1200	<p>Women's Health Care in an Austere Environment</p> <p>Using a combination of lecture, visuals and hands-on practice with manikins the students will learn how to respond to common obstetrical and gynecological emergencies that they may encounter in remote, austere locations. These emergencies will include postpartum hemorrhage, retained placenta, obstructed labor, postpartum infection and ectopic pregnancy.</p>	David Ludlow Mike Mori
1200 - 1300	Lunch on Your Own	
1200 - 1400	<p>Teleflex Prehospital Emergency Care Procedure Cadaver Lab</p> <p>The purpose of this session, presented by Teleflex, is to provide a unique opportunity to review relevant anatomy associated with critical care and lifesaving emergency procedures. Participants will enhance their understanding of the various procedures and the associated risks and benefits through the hands-on practicum. The relevant review of the anatomy will include airway, chest cavity and vascular access landmarks. Under expert instruction, participants will have the opportunity to practice the following procedural skills: basic airway management, direct and video laryngoscopy, intraosseous access, hemorrhage control and various other emergency procedures.</p>	Dan Smith Jim Blosser
1300 - 1700	<p>Critical Care and Prolonged Field Management (CCPFM) Procedure Cadaver Course</p> <p>The CCPFM procedure course is specifically developed to enhance your understanding of high value, low frequency skills in the emergent and prolonged field care setting. These skills include: Hemorrhage Control (digital, packing, tourniquets, and REBOA); Thoracic Injury Management (chest seals, needle decompression, finger and tube thoracostomy); Airway and Ventilation Management (positioning, BLS, ALS, surgical and exchange); Vascular Access (peripheral, intraosseous, central venous, cut-down and fluid delivery), Expedited Amputations, Fundamental Suturing and Securing, as well as a dissection of an entire specimen for in-depth gross and procedural anatomy (inclusive of conversations that derive from these dissections). This course is dramatically enhanced by nationally recognized experts (military and civilian) who impart procedure pearls and methods to effectively use human specimens in your team's pre-deployment preparations. In short, the CCPFM course gives you an unobstructed procedural view for moments when borders fade and life cannot.</p>	Scotty Bolleter

1300 - 1700	<p>Moulage Basic Theory and Practice</p> <p>In this four-hour course you will learn the theory and basics to acquire, create and apply moulage to guide learners in a disaster/ trauma/ active shooter type educational event. Good for novice and established Moulage Specialists. We will be going over the various makeup mediums and what works best and sets us apart from movie style makeup. This class will be quick paced for maximum effectiveness. Please be prepared to have makeup applied to yourself. Bring a change of clothes, or at a minimum, different shirt. We will go over topics from bruising, improvisational silicone build-ups, some prosthetics, and some basic bleeding.</p>	David Shablak David Cherolis Lish Robinson
1300 - 1500	<p>Introduction to REBOA for Medics</p> <p>A practical and theoretical session aimed to introduce medics to the use of REBOA. The theoretical portion incorporates real world case studies and will be followed by a practical exercise on simulators that will allow attendees to place an ultrasound assisted REBOA.</p>	Michael Turconi Carmine Della Vella Justin Rapp Kari Jerge Cornelius Powell
1300 - 1700	<p>Introduction to Combat and Tactical Ultrasound Workshop for Tactical Operators and Providers</p> <p>Designed for novices to combat and tactical uses of ultrasound by special operators, or those interested in honing their basic ultrasound skills and learning how handheld ultrasound devices can improve medical care in far forward and tactical environments. Instead of feeling or listening for injuries, literally see through the body and identify life-threatening injuries like never before. This course will have brief lectures, followed by hands-on ultrasound scanning of each other (please be sure to wear loose fitting clothing).</p>	Eric Chin Kristine Jeffers John Knight Brian Hall Ryan Curtis Aaron Cronin Melissa Myers Jared Cohen
1300 - 1700	<p>Fresh Whole Blood Transfusions & Freeze-Dried Plasma (Practical)</p> <p>Use the latest gear in whole blood transfusion process and receive a lecture and hands-on instruction in fresh whole blood transfusions. You will be able to type and collect your partner's blood and transfuse it back to him/her. Get familiarized with freeze-dried plasma.</p>	Shane Kronstedt Sean Leibrock
1300 - 1700	<p>Fundamentals of Simulation for Prehospital Provider Education</p> <p>The Fundamentals of Simulation course is a 4-hour immersive course meant to establish and enhance a participants' understanding about simulation theory, practice and research. The course will provide the educator with a solid foundation based on research and best practice to integrate and deliver and manage quality simulation activities within an initial or continuing educational program. This course is geared toward the new and mid-level educators.</p>	Tim Whitaker Matthew David Charnetski
1300 - 1700	<p>Non Trauma Modules: Preventive Medicine, Veterinary Medicine and Mental Health</p>	Eli Edmonds Marcus Wisner Mark Evans Brian Larsen Chris Larsen David Wood Chris Beisinger Sean Conorch
1300 - 1700	<p>Tactical Medicine Review & Exam</p> <p>18D, SOCM medics, NSOCM medics and paramedics are allowed to sit the IBSC board certification for Tactical Paramedic. Additionally, medical doctors and physician assistants can sit this exam. This workshop will provide two hours of tactical medicine review followed by the IBSC board exam. This exam will be the paper based exam which has a higher pass rate than the computer based exam. Additionally, any of the IBSC exams can be taken during this workshop. That includes: Flight Paramedic, Critical Care Paramedic or Tactical Responder. Exam fees are \$325</p>	Aebhric O'Kelly Kyle Faudree

1430 - 1630	<p>Teleflex Prehospital Emergency Care Procedure Cadaver Lab</p> <p>The purpose of this session, presented by Teleflex, is to provide a unique opportunity to review relevant anatomy associated with critical care and lifesaving emergency procedures. Participants will enhance their understanding of the various procedures and the associated risks and benefits through the hands-on practicum. The relevant review of the anatomy will include airway, chest cavity and vascular access landmarks. Under expert instruction, participants will have the opportunity to practice the following procedural skills: basic airway management, direct and video laryngoscopy, intraosseous access, hemorrhage control and various other emergency procedures.</p>	Dan Smith Jim Blosser
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1500 - 1700	<p>Women's Health Care in an Austere Environment</p> <p>Using a combination of lecture, visuals and hands-on practice with manikins the students will learn how to respond to common obstetrical and gynecological emergencies that they may encounter in remote, austere locations. These emergencies will include postpartum hemorrhage, retained placenta, obstructed labor, postpartum infection and ectopic pregnancy.</p>	David Ludlow Mike Mori
1700 – 2100	<p>Dentistry for the SOF Operator</p> <p>This lab will review the diagnosis and treatment of common dental pathologies and dental emergencies in the austere setting utilizing minimal equipment. Hands on review of dental blocks, temporary fillers and other techniques will be taught. Besides teaching dental skills for attendees, course will also review use of simple dental procedures in running a UW medical/dental program for host nation civilians in contested areas. Course repeated on second day. This is now a 4-hour lab.</p>	Robert Harrington Jerold Kouchi
Day 2: Tuesday, May 7, 2019 - LABS		
Time	Lab Title	Lab Director
0800 – 1700	<p>SOMA/NAEMSP Military Medical Director Overview Course</p> <p>This is a high-yield exposure to the dynamic world of the EMS medical director. With a unique emphasis on military-specific issues, this course will introduce the participant to the history of EMS, foundational concepts of EMS medical direction, military-unique issues in medical oversight, EMS resiliency, and a case-based discussion with a panel of military EMS experts.</p>	Elliot Ross Jeffrey Siegler
0800 – 1700	<p>K9 Tactical Emergency Casualty Care</p> <p>The K9 Tactical Emergency Casualty Care (K9-TECC) course is an 8 hour course that focuses on prehospital tactical casualty care for the injured Operational K9. The goal of prehospital interventions is to eliminate THE MAJOR PREVENTABLE CAUSES OF DEATH with the intent of only providing the medical or surgical procedures necessary to manage problems that immediately threaten life, limb, or eyesight, and to prepare the dog for evacuation to definitive veterinary care. The course incorporates current TCCC and TECC guidelines using the M3ARCH2 PAWS approach with adaptations relative to canine anatomy and physiology.</p>	Lee Palmer Nell Dalton Bruce Carleton Melissa Edwards Sean Smarick

0800 – 1700	<p>CONTOMS Medical Directors Course</p> <p>The Medical Directors Course is an eight-hour course designed for <u>physicians and others who provide medical control for pre-hospital personnel operating with tactical law enforcement teams</u>. This course details the rationale and scientific basis for modified standards and scope of practice in the tactical environment. Key topics include:</p> <ul style="list-style-type: none"> Background for TEMS practice Modifications in medical procedures and philosophy for care in the tactical environment TEMS Protocol development Step-by-step development of a TEMS program Quality assurance mechanisms Role of the physician in TEMS Controversial issues in TEMS Tactical Commander's perspective on TEMS 	<p>Greg Smith Mike Buffum Jeffery Schneider Denis Fitzgerald Richard Thomas</p>
0800 – 1700	<p>Prolonged Field Care - SOF Training, Medicine Included</p> <p>Designed as an immersive lab experience with shared best practices from PFC Master Trainers, the participant will gain exposure to recent PFC guidelines, technology, and updates. The format is minimally didactic with emphasis on discussion, case examples, sharing how participants' units train PFC, and demonstrations of principles and technology in a small group format.</p>	<p>Jaime Riesberg Steve Koplín Grigory Charny</p>
0800 – 1000	<p>SOFSono in PFC and Sick-Call Medicine: An Ultrasound Interpretation Lab</p> <p>This lab will focus on PFC and sick-call relevant case interpretation and clinical/operational decision-making process of a SOF medic, rather than technical skills of scanning. During this case-based 2-hour lab, an international team of 2 SOF Medics (USA, Poland) and an emergency physician (USA/Poland) will lead you through a large number of SOF-pertinent ultrasound cases and stimulate a discussion on clinical and operational decisions which can be aided by application of ultrasonography in austere environments. Each case will be led in by a short presentation, i.e. chief complaint, limited history of present illness, pertinent clinical exam findings and vital signs. This will be followed by the ultrasound exam with actual images and/or video clips of pathology and normal findings. We will engage the lab participants in interpretation of all the information obtained, and we will prompt them to discuss patient management, minding any operational limitations in denied areas. We will work interactively with all the participants.</p>	<p>Kasia Hampton Christopher Dare</p>
0800 – 1100	<p>Improvised Extremity and Improvised Junctional Tourniquets</p> <p>This lab will provide insight and experience on the application, use, benefits, and training methodologies for improvised tourniquets to be used operationally in the SOF, Law Enforcement Agencies, Non-Governmental Organizations, and EMS communities. Impact is to increase therapeutic, operational, and logistical understanding of improvised extremity and junctional tourniquets to educate the benefits, principles of use, and considerations in austere, emergency, or limited environments.</p>	<p>Mike Hetzler Win Kerr Tim Plackett</p>
0800 - 1200	<p>Critical Care and Prolonged Field Management (CCPFM) Procedure Cadaver Course</p> <p>The CCPFM procedure course is specifically developed to enhance your understanding of high value, low frequency skills in the emergent and prolonged field care setting. These skills include: Hemorrhage Control (digital, packing, tourniquets, and REBOA); Thoracic Injury Management (chest seals, needle decompression, finger and tube thoracostomy); Airway and Ventilation Management (positioning, BLS, ALS, surgical and exchange); Vascular Access (peripheral, intraosseous, central venous, cut-down and fluid delivery), Expedited Amputations, Fundamental Suturing and Securing, as well as a dissection of an entire specimen for in-depth gross and procedural anatomy (inclusive of conversations that derive from these dissections). This course is dramatically enhanced by nationally recognized experts (military and civilian) who impart procedure pearls and methods to effectively use human specimens in your</p>	<p>Scotty Bolleter</p>

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0800 – 1200	Battlefield Auricular Acupuncture (Certification Course) Didactics and hands-on skills lab for certification in Battlefield Acupuncture, an auricular acupuncture protocol for the treatment of acute and chronic pain.	Dean Hommer David Djuric
0800 – 1200	Moulage Advanced Theory and Practice A continued class to Moulage Basic (but not required). We will continue with advanced materials and applications for truly dramatic effects including Prosthetics, and advanced bleeding effects. This class will use more complicated prosthetics. Materials such as, Pros Aide transfers, encapsulated silicone, dirt effects, and blood layering techniques to name a few.	David Shablak David Cherolis Lish Robinson
0800 – 1200	Advanced Combat and Tactical Ultrasound Workshop for Tactical Operators and Providers This HANDS-ON workshop (i.e., no formal lectures) is designed for tactical operators and providers interested in learning specific ADVANCED tactical ultrasound skills for use in far forward and tactical environments. Choose up to four different ultrasound skills to master with an expert by rotating to a different skills station every 60 mins. Topics covered include: Trauma-based E-FAST, ocular ultrasound, ultrasound-assisted regional anesthesia, modified Rapid Ultrasound for Shock and Hypotension (Modified RUSH exam), musculoskeletal and soft tissue (fracture, abscess, joint injections, tendon ruptures, etc.), focused cardiac ultrasound and hemodynamic assessment (echo, pericardiocentesis, IVC), and scan with an expert. This is a hands-on and interactive workshop where you will be scanning models and/or each other (please be sure to wear loose fitting clothing). No prior experience is necessary, however, the introductory ultrasound workshop is highly recommended for those completely new to ultrasound.	Eric Chin Kristine Jeffers John Knight Brian Hall Ryan Curtis Aaron Cronin Melissa Myers Jared Cohen
0800 – 1200	Osteopathic Manipulative Medicine Musculoskeletal pain is a common occurrence for operators and desk jockeys alike. Pain experienced can range from a minor annoyance to downright debilitating. This lab will teach you the skills to diagnose skeletal dysfunction and the techniques to fix them. You will also enhance your physical exam assessment with the palpatory skills that you will gain.	Michael Mack Greg Hawkesworth
0800 – 1200	Portable Mechanical Ventilation Techniques for the Prehospital Trauma Patient This lab reviews the respiratory physiology for invasive and non-invasive mechanical ventilation of patient's affected by trauma in the pre-hospital setting. This lab also includes hands on demonstrations of common portable ventilators and techniques for	Seth Assar Jason Richard Randel Davis

	optimizing the ventilation of your patient as they transition to a higher level of care. Participants in this discussion should have a prerequisite foundation of respiratory physiology and experience with the nomenclature and common modes of mechanical ventilation.	
0800 – 1200	<p>Detection and Mitigation of Malaria in the Austere Setting</p> <p>Malaria continues to be a major threat to deployed personnel and host country nationals, despite technological and pharmaceutical advances. Rapid diagnostic tests (RDTs) are an essential component of the deployed SOF Medic’s kit, but the many limitations of RDTs require proficiency in the gold-standard malaria diagnostic technique: microscopy. This session consists of 2 hours of hands-on labs (blood smears, staining, and microscopy of prepared Plasmodium specimens), and 2 hours of didactic lessons. Up-to-date research on the newly approved drug tafenoquine and emerging simian malaria species will also be presented. Previous Tropical Medicine training and microscope experience is helpful but not required. Limited class size of 12.</p>	Aebhric O'Kelly Michael Shertz Jason Jarvis
0800 – 1200	<p>Team Health: Core Anatomy Review, Exercise Injury Prevention & Sports Medicine Dirty Tricks to Keep Operators Functional</p> <p>This lab focuses on core stability and functional exercises. Anatomy review, traditional and non-traditional core exercises including nerf gun shooting, proven sports medicine tricks of the trade keeping operators functional when forward, and a detailed discussion on injury prevention while engaged in high intensity exercise and competition.</p>	A. S. Woody Goffinett Travis Synder
1200 - 1300	Lunch On Your Own	
1300 - 1500	<p>Introduction to REBOA for Medics</p> <p>A practical and theoretical session aimed to introduce medics to the use of REBOA. The theoretical portion incorporates real world case studies and will be followed by a practical exercise on simulators that will allow attendees to place an ultrasound assisted REBOA.</p>	Michael Turconi Carmine Della Vella Justin Rapp Kari Jerge Cornelius Powell
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1300 – 1700	<p>Osteopathic Manipulative Medicine</p> <p>Musculoskeletal pain is a common occurrence for operators and desk jockeys alike. Pain experienced can range from a minor annoyance to downright debilitating. This lab will teach you the skills to diagnose skeletal dysfunction and the techniques to fix</p>	Michael Mack Greg Hawkesworth

	them. You will also enhance your physical exam assessment with the palpatory skills that you will gain.	
1300 – 1700	<p>Practical Case-based Tactical Ultrasound Workshop</p> <p>Back by popular demand!!! This HANDS-ON workshop is designed for tactical operators and providers interested in learning how to integrate the use tactical ultrasound in various trauma and medical scenarios – undifferentiated shock, chest trauma, abdominal trauma, head injuries, extremity injuries, etc. This workshop will allow you to choose a number stations with different tactical scenarios, discuss the case, and then learn how to apply specific ultrasound evaluations to better care for injured or ill patients. This is a hands-on and interactive workshop where you will be scanning each other (please be sure to wear loose fitting clothing). No prior experience is necessary, however, the introductory ultrasound workshop is highly recommended for those completely new to ultrasound.</p>	Eric Chin Kristine Jeffers John Knight Brian Hall Ryan Curtis Aaron Cronin Melissa Myers Jared Cohen
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	activities within an initial or continuing educational program. This course is geared toward the new and mid-level educators.	
1500 – 1700	<p>PFC Package in INDOPACOM: Utilizing Existing SOF MES Sets to Repurpose for PFC Capabilities during VIP Support Missions</p> <p>A SOF Truth is that the human is more important than any piece of equipment and the prolonged field care problem set has focused on training these concepts in recent years, given our unsustainable CENTCOM MEDEVAC model. This hands-on laboratory session will focus on how to use existing SOF MES sets and a few adjunct Class 8, in order to provide a PFC capable Role 1(-). Proof of concept was executed from 2017-2018 during several VIP support missions throughout INDOPACOM. Second half of the session will focus on round table discussion of other ideas of equipping SOF units for PFC training events.</p>	Andrew Oh Benjamin Chi Michael Van Gent
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