

FCCS: Resource Limited
Sample Course Schedule

| Day 1 | |
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| Time | Activity (All lectures are required unless noted.) |
| 7:30 am – 8:00 am | Registration / Pretest (Learners must hand in pretest at this time) |
| 8:00 am – 8:45 am | Welcome and Course Announcements |
| | <p>Introduction to Austere and Operational Environment <u>Objective:</u> Discuss the application of the core concepts of FCCS in resource-limited settings.</p> <p>Recognition and Assessment of the Seriously Ill <u>Objective:</u> Recognize the early signs and symptoms of critical illness</p> <p>Telemedical Support in the AOE <u>Objective:</u> Define telemedicine and highlight the technology options available and the need for planning.</p> |
| 8:45 am – 9:35 am | <p>Scenario 1: Diarrhea <u>Objectives:</u></p> <ul style="list-style-type: none"> • Review infectious diarrhea in AOE • Discuss precautions and Isolation • Discuss preventive health/epidemic • Discuss alternate methods of fluid resuscitation <p>Hands-On Patient Management <u>Objective:</u> Identify key nursing skills for hands-on patient management in austere settings</p> |
| 9:35 am – 9:50 am | Break |
| 9:50 am - 11:45 am | <p>Scenario 2: Fever in the Tropics</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Review recognition and assessment of shock • Review early management of different types of sepsis <p>Life-Threatening Infections <u>Objectives:</u></p> <ul style="list-style-type: none"> • List common infections associated with field conditions an endemic threats • Outline antimicrobial empiric therapy and management of specific infections. <p>Diagnosis and Management of Shock <u>Objective:</u> Discuss management strategies for the critically ill or injured patient in shock.</p> <p>Airway Management with Noninvasive Positive-Pressure Ventilation <u>Objectives:</u></p> <ul style="list-style-type: none"> • Recognize signs of a threatened airway. • Describe techniques for establishing a definitive airway and for manual ventilation |
| 11:45 pm – 12:45 pm | Lunch |
| 12:45 pm – 1:25 pm | <p>Mechanical Ventilation <u>Objective:</u> Describe the indications for initiation of mechanical ventilation</p> <p>Analgesia and Sedation <u>Objective:</u> Identify the indications, risks, and monitoring of patients undergoing elective sedation.</p> <p>Preparation for Evacuation or Transfer <u>Objectives:</u></p> <ul style="list-style-type: none"> • Recognize safety risk at times of transition. • Identify best practices for patient preparation for transport |

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| 1:25 pm – 2:55 pm | Skill Stations | <p>A. Transport Ventilator Setup <u>Objectives:</u></p> <ul style="list-style-type: none"> • Demonstrate set up of a transport ventilator • Discuss adequate medication supply, analgesia and sedation, access points, and stabilization of tubes and lines <p>B. IV Infusion Setup Without a Pump <u>Objective:</u> Demonstrate calculation and setup of an IV drip without pump</p> <p>C. Packaging the Patient <u>Objective:</u> Demonstrate key steps for packaging a critically ill patient on a stretcher for transport</p> |
| 2:55 pm – 3:10 pm | Break | |
| 3:10 pm – 3:50 pm | <p>Pediatric Critical Care Overview <u>Objectives:</u></p> <ul style="list-style-type: none"> • Identify physiologic differences when approaching pediatric airway, breathing, and circulation. • Evaluate the differences in the incidence of conditions, consequences, and complications between critically ill or injured pediatric and adult patients. | |
| 3:50 pm – 5:10 pm | Skill Station | <p>Scenario 3. Pediatric Burn Event <u>Objectives:</u></p> <ul style="list-style-type: none"> • Discuss initial assessment and management of burns and chemical injury • Demonstrate TBSA burn and fluid calculations • Review pediatric medication dosing and fluid management <p>Burn Calculation Tabletop Exercise <u>Objective:</u> Discuss Interventions: Access, Initial fluids, and Airway</p> |
| | <p>Principles of Chemical, Biological, and Radiologic Injury <u>Objective:</u> Describe typical presenting toxidromes for CBRN exposure.</p> <p>Burn Injury <u>Objective:</u> Discuss treatment ABCs of life-threatening burn injury.</p> <p>Ethics and Palliative Care <u>Objectives:</u></p> <ul style="list-style-type: none"> • Review ethical principles guiding decision-making under resource limited constraints • Explore ethical dilemmas involving triage and foreign national cultural norms/customs | |
| 5:10 pm – 5:20 pm | Review Diarrheal Case Status and Ventilated Patient Status | |

| Day 2 | |
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| Time | Activity |
| 7:30am – 8:00 am | Welcome and Scenario Introduction. |
| 8:00 am – 11:40 am | <p>Scenario 4. Mass Casualty Incident</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Describe triage in austere environments • Discuss initial trauma care in operational environments • Describe resource utilization during a MASCAL <p>Triage</p> <p><u>Objectives:</u> Define triage categories and the SALT algorithm</p> <p>Trauma and Blast Injury Care</p> <p><u>Objectives:</u> Prioritize and initiate treatment of life-threatening traumatic injury</p> <p>Damage Control Resuscitation</p> <p><u>Objectives:</u> List the key principles of Damage Control Resuscitation</p> <p>Crush injury</p> <p><u>Objectives:</u> Describe the pathophysiology and treatment of crush injuries</p> <p>Neurologic Support</p> <p><u>Objective:</u> Review principles of brain insult and mechanisms of neuronal injury.</p> <p>Severe Hypoxia</p> <p><u>Objectives:</u> Review definition acute respiratory distress syndrome and its treatment options in the AOE.</p> |
| 11:40 am – 12:00 pm | Case Conclusion |
| 12:00 pm – 1:00 pm | Lunch |
| 1:00 pm – 1:25 pm | <p>Management of Pregnancy</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Describe the physiologic and metabolic alterations unique to pregnancy. • Discuss management strategies for the critically ill or injured pregnant patient |
| 1:25 pm – 1:45 pm | <p>Chest Pain</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Discuss the differential diagnosis for chest pain. • Identify characteristics of patients with acute coronary syndrome. |
| 1:45 pm – 2:05 pm | <p>Environmental Injuries</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Review the risk factors, clinical features, and management of heat-related injury. • Discuss the diagnosis and management of cold weather injury. |
| 2:05 pm – 2:20 pm | <p>Management of Life-Threatening Metabolic Disturbances</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Review the emergent management of severe electrolyte disturbances in the AOE. • Describe management of severe hyperglycemic syndromes. |
| 2:20 pm – 2:50 pm | <p>Safety and Security</p> <p><u>Objective:</u> Discuss personal safety and security of medical personnel</p> |
| 2:50 am – 3:00 pm | Break |
| 2:45 pm – 3:00 pm | Course Review and Final Questions |
| 3:00 pm – 3:15 pm | Break |
| 3:15 pm -4:00 pm | Posttest and Course Evaluation |
| 4:00 pm – 5:00 pm | Wrap-Up and Action Review |