

Fundamental Critical Care Support: Tropical Diseases Sample Course Agenda

Day 1			
7:00 am – 7:30 am	Registration / Pre-Test (participants must hand in pre-test at this time)		
7:30 am – 7:45 am	Welcome, Course Announcements, and FCCS Overview		
7:45 am – 8:15 am	Recognition and Assessment of the Seriously Ill Patient <u>Objective:</u> Recognize the early signs and symptoms of critical illness.		
8:15 am – 8:45 am	Diagnosis and Management of Acute Respiratory Failure <u>Objective:</u> Summarize management principles of acute respiratory failure.		
8:45 am – 9:15 am	Mechanical Ventilation 1 <u>Objective:</u> Describe the characteristics of different types of breaths and modes of mechanical ventilation (noninvasive and invasive).		
9:15 am – 9:45 am	Mechanical Ventilation 2 <u>Objective:</u> Review the guidelines for initial ventilator management that apply to specific clinical situations.		
9:45 am – 10:00 am	Break		
10:00 am – 10:45 am	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; vertical-align: middle;">Skill Stations</td> <td> <p>A. Mechanical Ventilation 1 <u>Objectives:</u> Describe the indications for initiation of mechanical ventilation. Modify the ventilator prescription in response to patient data.</p> <p>B. Noninvasive Positive Pressure Ventilation (NPPV) <u>Objectives:</u> Assemble the equipment necessary for NPPV. Practice techniques of NPPV.</p> </td> </tr> </table>	Skill Stations	<p>A. Mechanical Ventilation 1 <u>Objectives:</u> Describe the indications for initiation of mechanical ventilation. Modify the ventilator prescription in response to patient data.</p> <p>B. Noninvasive Positive Pressure Ventilation (NPPV) <u>Objectives:</u> Assemble the equipment necessary for NPPV. Practice techniques of NPPV.</p>
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10:45 am – 11:30 am	Repeat Skill Stations		
11:30 am – 12:00 pm	Monitoring Oxygen Balance and Acid-Base Status <u>Objectives:</u> Outline the determinants of oxygen balance. Explain the use of oxygenation and acid-base status as a monitor in the seriously ill patient.		
12:00 pm – 1:00 pm	Lunch		
1:00 pm – 1:30 pm	Diagnosis and Management of Shock <u>Objective:</u> Discuss management strategies for the critically ill or injured patient in shock.		
1:30 pm – 2:00 pm	Neurologic Support <u>Objective:</u> Review specific management principles and options for common neurologic emergencies.		
2:00 pm – 2:45 pm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; vertical-align: middle;">Skill Stations</td> <td> <p>A. Mechanical Ventilation II <u>Objectives:</u> Describe the approach to the patient with a high pressure alarm. Practice ventilation adjustments in response to changes in patient status.</p> <p>B. Integrated Skill Station (choose 1) <u>Objectives:</u> Use case-based scenario to discuss appropriate assessment and management of the patient experiencing multi-system alterations.</p> </td> </tr> </table>	Skill Stations	<p>A. Mechanical Ventilation II <u>Objectives:</u> Describe the approach to the patient with a high pressure alarm. Practice ventilation adjustments in response to changes in patient status.</p> <p>B. Integrated Skill Station (choose 1) <u>Objectives:</u> Use case-based scenario to discuss appropriate assessment and management of the patient experiencing multi-system alterations.</p>
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2:45 pm – 3:30 pm	Repeat Skill Stations		
3:30 pm – 3:45 pm	Break		
3:45 pm – 4:15 pm	Acute Coronary Syndromes (can be removed if all participants are ACLS providers) <u>Objectives:</u> Identify characteristics of patients with acute coronary syndromes with different electrocardiographic and clinical presentations. Recognize the complications of myocardial infarction and outline appropriate management.		
4:30 pm – 5:00 pm	Basic Trauma and Burn Support (optional, can be removed if all participants have taken the ATLS course) <u>Objectives:</u> Prioritize timely assessment of the trauma patient. Identify principles of early burn management.		

Day 2	
8:00 am – 8:30 am	Review of Pre-test
8:30 am – 9:00 am	Life-Threatening Infections: Diagnosis and Antimicrobial Therapy Selection <u>Objectives:</u> Identify systemic and site-specific clinical manifestations of life-threatening infections, including the uses of clinical laboratory tests. Apply principles of antimicrobial treatment for empiric therapy and for specific infections.
9:00 am – 9:15 am	FCCS: TD Introduction
9:15 am – 9:45 am	Chikungunya Virus Disease
9:45 am – 10:15 am	Dengue Fever
10:15 am – 10:30 am	Break
10:30 am – 11:00 am	Ebola Virus Disease
11:00 am – 11:30 am	Hemorrhagic Fevers: Marburg and Lassa Viruses
11:30 am – 12:00 pm	Leptospirosis
12:00 pm – 1:00 pm	Lunch
1:00 pm – 1:30 pm	Severe Malaria
1:30 pm – 2:00 pm	Typhoid Fever
2:00 pm – 2:30 pm	Viral Encephalitis
2:30 pm – 3:00 pm	Yellow Fever
3:00 pm – 3:30 pm	Break
3:30 pm – 4:00 pm	Zika Virus Disease
4:00 pm – 5:00 pm	Post-Test and Adjourn