

Saturday, April 23rd, 2011 - Preconference Courses

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Acute Medicine Review

Shock Management
 08:00 Cardiopulmonary resuscitation
 08:20 Shock
 08:40 How to Ventilate ARDS
 08:50 Panel Discussion

Cardiovascular Diseases
 09:00 Acute coronary syndrome
 09:20 Hypertensive Crisis
 09:40 Heart Failure
 10:00 Arrhythmias
 10:20 Panel Discussion

10:30 **Coffee Break**

Pneumonia
 10:40 Community Acquired Pneumonia
 11:00 HAP
 11:20 Asthma & COPD
 11:40 Anti Microbial
 12:00 TB

12:20 **Lunch**

GI Emergencies
 13:20 GI Bleeding
 13:40 Food Poisoning & gastroenteritis
 14:20 Acute Liver Failure
 14:40 **Panel Discussion**

Critical Care Nursing

08:00 Welcome Address
 08:15 Introduction to the Course
 08:30 Family Support in Critical Care
 09:00 Assessing Critically Ill Patient
 09:30 Cardiac Output Physiology

10:00 **Coffee Break**

10:15 Steps in Basic ECG
 10:45 Arrhythmia Interpretation
 11:15 Traumatic Brain Injury
 11:45 Shock & Fluid Resuscitation

12:15 **Lunch & Prayer**

Workshops (13:00- 15:30)
 *Hemodynamic/Central & Arterial Lines
 *Cardiac Medications
 *ICP Monitoring

Critical Rapid Response

09:00 Rapid Response System
 10:00 Activation of Rapid Response Team
 10:45 Communication
 11:15 Pearls in CPR

Workshop
 13:00 - 15:30 - **Airway & Intubation**
 15:30 - 17:30 - **CPR**



Neurological & Neurosurgical Critical Care

07:30 Registration
 08:00 Welcome Remarks
 08:15 Clinical Assessment for Neurological Patients in the ICU
 08:45 CNS Infections
 09:30 Seizure Disorders in the ICU
 10:15 Break
 10:45 Sub-arachnoid Hemorrhage
 11:30 Ischemic & Hemorrhage Stroke / Sinus Thrombosis

12:15 Prayer & Lunch

13:30 - 15:00 - Workshops
 Neuro Radiology E. MBakhsh
 CP monitoring F. Otabi

Case Scenarios
 Stroke F. Al-Senani
 Status Epilepticus S. Baz

Obstetric Critical Care

07:30 Registration & Breakfast
 08:00 Welcome and Course Overview
 08:10 Physiologic Changes in Pregnancy
 08:40 Hemodynamic Assessment in a Pregnant and Peripartum Patient
 09:10 Sepsis in Pregnancy

0940- COFFEE BREAK

10:00 Acute Renal Failure in Pregnancy
 10:30 Obstetrical Hemorrhage
 11:20 Peripartum Cardiomyopathy

12:00 LUNCH BREAK & PRAYER

13:00-16:00 - Workshops

Pediatric FCCS

0730 Registration - Pretest
 0815 Introduction
 0830 Diagnosis & Management of Respiratory Failure
 0915 Coffee Break

Skill Station 1 & 2
 09:30 - 11:30
Airway Evaluation & Management Ventilation - Part 1

11:30 Cardiovascular Evaluation & Management of
 Prayer and Lunch Break
 12:15 Fluids and Electrolytes
 13:15 Diagnosis and Management of Acute Infections

Skill Station 3
 14:30 - 15:15
Cardiovascular Evaluation & Management of Shock

1515 Prayer and Coffee Break
 1530 Neurologic Emergencies
 16:15 Summary of Day 1

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Difficult Airway Management

8:00 Welcome & Introductions
08:30 - 12:45
Pre-Test
Review Course
 Airway Pharmacology
 Airway Assessment
 DAC Algorithm
 Crew Resource Management
Bag Valve Mask Ventilation
 Fundamentals of Intubation
Advanced Airway Tools
 Sample Cases
12:45 - 14:00 - Lunch & Prayer
14:00 - 16:45
 Grading Peers
 Difficult Airway Cases
 Presentation
 LMA
16:45 - 17:00
 Daily Wrap Up

FCCS

08:00 Welcome & Introduction
 08:15 Recognition & Assessment of the Seriously Ill Patient
 08:45 Cardiopulmonary & Cerebral Resuscitation
 09:15 Airway Management
 09:45 Mechanical Ventilation 1
 10:30 Mechanical Ventilation 2
 11:00 Basic Hemodynamic Monitoring
 11:30 Diagnosis & Management of Shock
13:00 - 16:00 - Workshops
 Airway Management
 Arrhythmias & Defibrillation
 Basic Settings - Non-invasive ventilation

Adult Mechanical Ventilation

08:15 Respiratory System Physiology
 08:45 Basics of Mechanical Ventilation
 09:15 Modes of Mechanical Ventilation
 10:00 Wave Form Analysis
 10:30 Complications & Troubleshooting
 11:00 Ventilator Alarms
Workshops:
 13:00 Basic Settings, Troubleshooting & Alarms
 13:00 Non-Invasive Ventilation

Pediatric Mechanical Ventilation

08:00 Welcome Remarks
 08:10 Basic Ventilatory Support
 8:40 Advance Modes of Mechanical Ventilation and Set Up
 09:10 Wave Form Analysis
 09:40 Blood Gas Interpretation
 10:10 Discussion
 10:25 COFFEE BREAK
 10:40 Airway Management
 11:10 Lung Recruitment & Protective Strategy
 11:40 Adjunct to Mechanical Ventilation
 12:10 Discussion
 12:30 PRAYER AND LUNCH
Workshops - 13:30 - 15:45
 Workshop 1: Airway & its Adjunct
 Workshop 2: Video Intubation
 Workshop 3: Conventional Ventilation

Simulation in Pediatric Critical Care

08:00 Registration & Breakfast
 09:00 Opening Remarks
 09:05 Plenary Session:
 Simulation as a learning strategy in PICU
 9:35 The Role Of Simulation In Patient Safety
 09:55 Task Oriented Simulation in Critical care
 10:15 - 10:45 - Airway Station
 10:45 How To Build Educational Scenario In PICU
 11:05 - 11:35 - Hemodynamic Station
 11:45 Lunch Break
 13:00 Team Oriented Medical Simulation
 13:20 - 13:50 - CNS Station
 13:50 Essentials of Debriefings
 14:35 Closing Remarks

Renal Replacement Therapy

07:30 REGISTRATION
 08:00 Welcome
 08:05 Clinical Outcome Among Patients Treated with CRRT: Single Center Experience
 08:45 CRRT in AKI and Biomarkers
 09:20 Complications of CRRT
 09:55 Update in Antimicrobial Dosing for Critically Ill Patients
 Receiving CRRT
 10:35 Panel Discussion
 10:50 Coffee Break
 11:05 Sepsis & CRRT
 11:30 MOF & CRRT: Is there a role?
 12:10 Panel Discussion
 12:20 Lunch and Prayer
 13:30 Choice of Modality (Case Discussion)
14:00 - 16:00 - Workshops
 Aquarius
 Prismaflex
 Multifiltrate

Sunday, April 24th, 2011 - Preconference Courses

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Acute Medicine Review

Endocrine Emergencies

08:00 Diabetic Ketoacidosis
08:20 Non Ketotic Hyperosmolar
Hyperglycemia
08:40 Hypoglycemia
09:00 Adrenal Crisis
09:20 Panel Discussion

Neurologic Emergencies

09:30 Decreased Level of
Consciousness / Coma
09:50 CVA & Meningitis
10:10 Panel Discussion
10:20 Coffee Break

Surgical & Trauma Emergencies

10:40 Triage & Management of Multiple
Injuries
11:00 Acute Abdomen
11:20 Closed Head Injuries
11:40 Panel Discussion
12:00 Lunch

Environmental Emergencies

13:00 Hypothermia
13:20 Heat syndromes

Miscellaneous

13:40 DIC & DVT
Infection Control
14:00 Infection Control
14:20 Panel Discussion

Critical Care Nursing

0730 DVT & PE
0800 Acute Respiratory Failure (ARDS)
0845 Basic X-Ray Interpretations
0915 ABG Interpretations

0945 Break

1000 Mechanical Ventilation
1045 Hematologic Disorders
1115 Acute Renal Failure

1215 Lunch & Prayer

1300 Workshops (13:00 - 15:30)
* Trauma/ICD Management
* Airway/ETT/Tracheostomy Care
* Infection Control

15:30 Evaluation

Critical Rapid Response

09:00 Rapid Response Emergencies

10:00 Coffee Break

10:30 - 12:00 - Workshop
*Communication Case Study
*Communication with the Rapid
Response Team
*Transportation & Action

Neurological & Neurosurgical Critical Care

07:30 Registration
08:00 Questions & Answers
08:15 Acute Neuromuscular Weakness
08:45 Coma, Delirium & Brain Death
09:30 Airway, Ventilation, Sedation &
Analgesia in Neurocritical Care

10:15 Break

10:45 Neurotrauma
11:30 Post Operative Care of
Neurosurgical Patients in the ICU

12:15 Prayer & Lunch

13:30 - 15:30
Case Scenario -Head injury
Workshop - Airway & Ventilation
Workshop - Hypothermia
Case Scenario - Coma

Obstetric Critical Care

0730 REGISTRATION
0800 ARDS in Pregnancy
0835 Amniotic Fluid Embolism
0910 Airway Management in
Pregnancy

0945 COFFEE BREAK

1000 Hepatic Diseases in Pregnancy
1035 Acute Hypertensive Emergencies
1110 Neurological Emergencies

1200 LUNCH BREAK & PRAYER

13:00 - 16:00 - Workshops

Pediatric FCCS

07:30 Instructor Requirements
08:00 Sedation, Analgesia &
Pharmacologic
08:45 Post-Operative Care

Skill Station IV: (09:30 - 10:30)
Sedation & Perioperative Management

10:30 Break
10:45 Management of Trauma in
Children
11:30 Transportation of the Critically Ill
Child

12:15 Prayer & Lunch Break

Skill Station V & VI (13:15 - 15:15)
*Ventilation Part 2
*Trauma, Transport & Poisoning

15:15 Break

16:30 Recap & Summary of Pertinent
Points
16:45 Post-Test & Program Evaluation

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Difficult Airway Management

8:00 Welcome & Introductions

08:30 - 12:45

Presentations & Evaluations

Developing Airway Team
Using DAC Scenario
Conducting DAC
Cricothyotomy training
Art of Debriefing
Training Physicians

12:45 - 14:00 - Lunch & Prayer

14:00 - 16:45

Presentations & Evaluations

Can Ventilate, Can't Intubate
Course Eval/Paperwork
Can't Ventilate, Can't Intubate

Written Post Test

16:45 - 17:00

Daily Wrap Up

FCCS

08:15 Acute Coronary Syndromes

08:45 Electrolyte & Metabolic Disturbances

09:15 Neurological Support
Life Threatening Infections

10:30 Diagnosis and Management of Acute Respiratory Failure

11:00 Trauma and Burns

11:30 Special Considerations

13:00 - 16:00 - Workshops

*Troubleshooting and adjusting parameters

*Animal lab - chest tube placement / peritoneal lavage

*Vascular access (swan ganz, CVP, IV cannulation)

Adult Mechanical Ventilation

0800 Patient-ventilator Interaction / Dysynchrony

0830 Liberation from the Ventilator

0900 Unconventional Modes

0945 Ventilator Associated Pneumonia

1015 Ventilating Hypercapnic/COPD & Asthmatic Patients

1045 Ventilating Hypoxemic Patients/ARDS

13:00 - 15:15 - Workshops

*Advanced Modes

*Unconventional Modes

Pediatric Mechanical Ventilation

08:00 Non-Invasive Ventilation
08:30 Permissive Hypercapnia and Hypoxemia
09:00 Management of Obstructive Airway Disease
09:30 HFO
10:00 Discussion

10:20 COFFEE BREAK

10:35 New Modes of Mechanical Ventilation
11:05 Weaning from Mechanical Ventilation
11:35 Role of Respiratory Therapy in the PICU

12:05 Discussion

12:25 PRAYER AND LUNCH

13:30 - 15:45 Workshops

*Non-Invasive Mechanical Ventilation
*HFO
*APRV

15:45 Closing Remarks

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09:00 Opening Remarks
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9:35 The Role Of Simulation In Patient Safety
09:55 Task Oriented Simulation in Critical care

10:15 - 10:45 - Airway Station

10:45 How To Build Educational Scenario In PICU

11:05 - 11:35 - Hemodynamic Station

11:45 Lunch Break
13:00 Team Oriented Medical Simulation

13:20 - 13:50 - CNS Station
13:50 Essentials of Debriefings
14:35 Closing Remarks

Renal Replacement Therapy

08:00 Anticoagulation in CRRT : Citrate vs. Heparin 08:35 -

09:15 CRRT in Pediatrics
09:15 CRRT Definition, Modalities, Sled, & PD

09:40 Panel Discussion

10:00 Coffee Break

10:15 Dose of CRRT
10:50 Do we need a Protocol?

11:20 **Case 2 Presentation:**
When to Start & when to Stop?
11:45 Panel Discussion

12:00 Lunch and Prayer

13:30 **Case 3 Discussion**
Sepsis & CRRT

14:00 - 16:00 - Workshops
Aquarius
Prismaflex
Multifiltrate