Topics in Critical Care

September 13 & 14, 2012

Indianapolis, Indiana

Course Description
This conference is designed to provide a multifaceted discussion in caring for the critically ill patient. The primary purpose is to enhance the clinician’s understanding of key concepts in pathophysiology necessary in clinical decision making.

Course Objectives
After this event, participants will be able to:

- Discuss the mechanism and pathophysiology of traumatic aortic injuries.
- Discuss the medical and surgical treatment options for traumatic aortic injuries including endovascular alternatives.
- Discuss the core fundamental strategies utilized in the ICU management of traumatic aortic injuries post-repair.
- Compare the benefits of non-operative vs. operative repair of rib fractures.
- Describe flail chest and its affect on patient outcomes.
- Identify nursing considerations for the post-operative rib fixation patient.
- Review the history and legal implications of designer drugs.
- Discuss the clinical presentation and management of K2/Spice and “Bath Salts.”
- Evaluate the various sympathomimetic drugs and their clinical effects.
- Discuss the clinical presentation of “Salvia divinorum” and Levamisole contamination of cocaine.
- List the clinical features of Serotonin Syndrome.
- Discus issues in obtaining consent for an incapacitated patient when sexual assault is suspected.
- Review the process in obtaining consent for a sexual assault exam from a surrogate.
- Compare and contrast the therapies available to emergently reverse anticoagulants.
- Describe the benefits and risks of antifibrinolytics, blood factors, and calcium in the acutely bleeding patient.
- Discuss antimicrobial resistance mechanisms.
- Detail resistance impact and treatment options.
- Discuss antimicrobial stewardship efforts.
- Compare tissue oxygenation to other traditional resuscitation targets.
- Discuss the clinical use of tissue perfusion.
- Identify the changes in lactate, pyruvate, lactate/pyruvate ratio, glutamate, and glucose that indicate cerebral ischemia.
- Determine appropriate interventions using information obtained from StO2 and CMD.
- Review the underlying physiology of the inflammatory response following trauma.
- Discuss post-traumatic inflammatory responses seen with specific injuries.
- Identify current research based interventions intended to modulate the immune response and minimize damage from inflammatory processes.
- Review the basic physiology and components of ECMO.
- Summarize the application of ECMO for adult vs. pediatric patients.
- Discuss the evolution of ECMO in the adult and pediatric populations at IU Health Methodist and Riley hospitals.
- Discuss the role of pre-hospital providers and hospital administrators in coordinating patient’s flow, supplies and staff following the stage collapse at the state fair.
- Identify the strengths and weakness of the process and changes that resulted from the post debriefing.
- Review the evolution of multivisceral transplantation in the adult and pediatric populations.
- Discuss the continuum of care from pre-transplant to recovery.
- Describe an interdisciplinary approach for the immediate and long-term care of multivisceral transplant patient.
Conference Information

September 13 & 14, 2012
Registration 7:30 am—7:50 am
Program from 8 am—4 pm

IU Health Methodist Hospital
1701 N. Senate Blvd.
I-65 @ 21st Street
Indianapolis, Indiana

Fee: $120 for two days and $85 for one day
$120.00/$85.00 for Non-IU Health
$60.00/$45.00 for one day for IU Health Affiliates
Free to employees of the Academic Health Center

Includes handouts, lunch and registration. We will be unable to hold or reserve applications without fee or purchase order. Enrollment is limited, so early registration is advised. Applications will not be accepted after September 6, 2012.

Information
For further information or assistance, or to cancel, please call the Continuing Education Office at 317.962.8728. Cancellations and refunds will be made only until September 6, 2012. No refunds will be made after that time.

Continuing Education Contact Hours
Indiana University Health, Indianapolis (ISNA No. CNEP 10-01, 6/1/13) is an approved provider of continuing nursing education by the Indiana State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Nurses will be granted 12.5 contact hours for the two day conference. Attendance at the entire event and submission of an evaluation are required to obtain contact hours.

All registered participants will receive a confirmation email containing workshop schedule and location.

Use your smartphone’s QR Code Reader to get a link about this and other IU Health Educational opportunities!

Point. Read. Simple.