

INTERNET COURSE

Participate from the convenience of office, home, or any computer with internet access

Friday, February 17, 2012

Pediatric Trauma: New Concepts and Controversies

“How I Do It!”

A Worldwide Interactive Web Symposium



Course Directors

Wayne Meredith, MD

*Richard T. Myers Professor
and Chairman Dept. of Surgery
Wake Forest University
School of Medicine
Winston-Salem, North Carolina*

Martin R. Eichelberger, MD

*Professor of Surgery and of Pediatrics
George Washington University
and Children's National Medical Center
Washington, D.C.*

Todd Ponsky, MD

*Associate Professor of Surgery
Division of Pediatric Surgery
Case Western Reserve University
School of Medicine,
Rainbow Babies & Children's Hospital,
Cleveland, Ohio*



Presented By:



Sponsored By:



SCHOOL OF MEDICINE
CASE WESTERN RESERVE
UNIVERSITY

PRESENTERS

Joseph Alderete , MD	San Antonio, TX	Orthopedic Surgery
Kenneth S. Azarow , MD	Omaha, NE	Pediatric Surgery
Julian Bailes , MD	Evanston, IL	Neurosurgery
Randall Burd , MD	Washington, DC	Pediatric Surgery
Jeremy W. Cannon , MD	San Antonio, TX	General Surgery
Mary Edwards , MD	Honolulu, Hawaii	Pediatric Surgery
Martin R. Eichelberger , MD	Washington, DC	Pediatric Surgery
Eric Elster , MD	Bethesda, MD	General Surgery
Mary E. Fallat , MD	Louisville, KY	Pediatric Surgery
David Feliciano , MD	Atlanta, GA	General Surgery
Timothy D. Kane , MD	Washington, DC	Pediatric Surgery
Robert F. Keating , MD	Washington, DC	Pediatric Neurosurgery
Geoffrey Ling , MD	Baltimore, MD	Neurology
Kenneth Mattox , MD	Houston, TX	General Surgery
Wayne Meredith , MD	Salem, NC	General Surgery
Michael L. Nance , MD	Philadelphia, PA	Pediatric Surgery
Min S. Park , MD	San Diego, CA	Neurosurgery
Todd Ponsky , MD	Cleveland, OH	Pediatric Surgery
David K. Shellington , MD	San Diego, CA	Pediatric ICU
Robert Sheridan , MD	Boston, MA	General Surgery, Burns
AB (Sebastian) van As , MD	Cape Town, South Africa	Pediatric Surgery

PANELISTS

Mauro Roberto Basso , MD	Londrina, Brazil	Pediatric Surgery
James M. Betts , MD	Oakland, CA	Pediatric Surgery
Karim Brohi , MD	London, UK	General Surgery
Dorothy I. Bulas , MD	Washington, DC	Radiology
Anthony DeRoss , MD	Cleveland, OH	Pediatric Surgery
Gerard A. Gioia , MD	Washington, DC	Psychology
Jean-Michel Guys , MD	Marseille, France	Pediatric Surgery
John Holcomb , MD	Houston, TX	General Surgery
Andrew J. A. Holland , MD	Sydney, Australia	Pediatric Surgery, Burns
Johannes Mayr , MD	Basel, Switzerland	Pediatric Surgery
Travis Methany , MD	Boston, MA	Pediatric Orthopedic Surgery
David Mooney , MD	Boston, MA	Pediatric Surgery
Mauricio José Lopes Pereima , MD	Florianopolis, Brazil	Pediatric Surgery, Burns
John K. Petty , MD	Winston-Salem, NC	Pediatric Surgery
Joe Tepas III , MD	Jacksonville, FL	Pediatric Surgery
Donald Trunkey , MD	Portland, OR	General Surgery
Huimin Xia , MD	Guangzhou, China	Pediatric Surgery

(complete faculty information is available online at: www.isi-case.org)

Friday February 17, 2012 (All times are Eastern Standard Time)

8:30 am **Web Testing**

9:00 am **Introduction**

Wayne Meredith
Todd Ponsky

Contemporary Concepts

9:05 am **Blast Injury: History**

Children in Harm's Way
Land mines, IED, UXO
Mechanism and pattern of injury
Multi-organ Injury

Kenneth Azarow

9:20 am **Damage Control Resuscitation: A New Paradigm**

Whole Blood Reconstitution: Plasma, Platelets, RBC
Hypothermia, Acidosis, Thrombocytopenia
Permissive Hypotension
Tourniquet, combat gauze
When is blood necessary?

David Shellington

9:35 am **Blast Injury Treatment**

Paradigm Shift ("CBA vs ABC")
Circulation: Control Hemorrhage
Breathing: Pneumothorax, Thoracostomy
Airway: Intubation
FAST vs CT
Head, Pulmonary, Abdomen, Extremity, Burn

Mary Edwards

9:50 am **Q&A**

Panel 1: Blast

Kenneth Azarow	David Shellington
Mary Edwards	John Holcomb
Karim Brohi	Eric Elster
Don Trunkey	

10:20am **Break**

Common Injuries and Controversies

10:30 am **Abdominal Injury:**

Indications for surgery: Blunt vs Penetrating
Surgical Management of spleen, liver, and pancreatic injury, intestine, bladder, kidney
FAST vs CT vs neither
OR vs Interventional Radiology
Outcome studies

Sebastian van As

10:45 am **Vascular Injury:**

Shunt, Timing of repair (peripheral and neck)
Evaluation: Exam, Doppler, CTA, Angiogram
Management: OR, Endovascular, non-operative
Outcome
Posterior pharyngeal penetrating injury: Image or not

Jeremy Cannon

11:00 am **Spine: Evaluation and Clearance**

CT, MRI, Flex-ex, Collar
PECARN Study
Radiation concern
Three points of view
Nexus Trial

Michael Nance

11:15 am **Q&A**

Panel 2: Abdominal Injury, Spine, Vascular

Sebastian van As	Jeremy Cannon
Michael Nance	James Betts
Huimin Xia	Dorothy Bulas
Jean Guys	Anthony DeRoss

11:45 am **Break**

12:00 pm **Mild Head Injury Diagnosis and Management**

Evaluation, imaging (Scan), IMPACT, treatment, admission

Julian Bailes

12:15 pm **Traumatic Brain Injury: Blunt vs Penetration**

Resuscitation: Goals, Hypertonic, ICP Monitor, Rx,
Craniectomy vs Closed Treatment
Outcome
National Guidelines

Robert Keating

12:30 pm **Q&A**

Panel 3: Traumatic Brain Injury

Julian Bailes
Min S. Park
Gerry Gioia
David Shellington

Robert Keating
Geoffrey Ling
Joe Tepas

1:00 pm **Break**

Tricks for Managing Difficult Injuries

1:15 pm **Thoracic Injury:**

Major vessels, lung, heart, (penetrating and blunt); imaging
Three essential maneuvers

Kenneth Mattox

1:30 pm **Surgical Damage Control:**

Technique and Tactics
Abdomen, Thorax
Retroperitoneum (exposure)
Pelvic Fracture Packing
VAC Strategy: "Poor Man's VAC!"

David Feliciano

1:45 pm **Laparoscopy: Is There a Role?**

Indications
Technique
Outcome: one page summary
Complications

Timothy Kane

2:00 pm **Q&A**

Panel 4: Thoracic, Damage Control, Laparoscopy

Kenneth Mattox
Tim Kane
Eric Elster
John K. Petty

David Feliciano
Mauro Basso
David Mooney

2:30 pm: **Fixation: Upper and lower extremity**

External and internal
Damage control
Vascular repair (timing)
Fasciotomy (Demonstrate technique)

Joseph Alderete

2:45 pm: **Burn Resuscitation and Early Management**

Basic field treatment: prehospital
Transport method: common complications
Resuscitation strategy: fluid (when to initiate), pulmonary, renal
Intubation: Indications
Complications: Fasciotomy (technique), over hydration (treatment)
Blast injury: impact upon fluid strategy

Robert Sheridan

3:00 pm **The Future is Now!: Artificial Limb Reconstruction**

New capacity for rehabilitation
Approach to amputation: which provides best results?
Rehabilitation: components for success
Outcome from amputation

Geoffrey Ling

3:15 pm **Q&A**

Panel 5: Fixation, Burn, Artificial Limb

Joseph Alderete
Geoffrey Ling
Travis Methany
Andrew J.A. Holland

Robert Sheridan
Johannes Mayr
Mauricio Pereima

3:45 pm **Break**

4:00 pm **Difficult Case Presentations**

Case Presentations:

- Blast injury with penetration of the chest, abdomen and amputation
- Penetrating injury to the thigh, Neck stab, Pancreatico-duodenal injury
- Athletic injury to the head, Blunt head, spleen and shock
- Penetration- thorax and abdomen, Pelvic fracture (packing) and shock:
Multi-organ injury, Abdominal compartment VAC Strategy

**Eric Elster
Randall Burd
Min S. Park**

Mary Fallat

4:45 pm **Adjournment**

\$ 49 EARLY BIRD DISCOUNT (by January 31, 2012)
 \$ 79 After January 31, 2012

For complete registration details and information, please go online and visit:

<http://www.peds-trauma.com>

Contact Rita.Rys@uhhospitals.org for additional information.

These virtual symposiums are made possible by an alliance with the following pediatric surgical societies:



IPEG
(International Pediatric Endosurgery Group)



ASPEP
(Peruvian Pediatric Endosurgery Association)



CIPESUR



OMED
World Organization of Digestive Endoscopy



Hospital Privado de Niños Fundación
Hospitalaria
Buenos Aires, Argentina



CAPS
(Canadian Association of Paediatric Surgeons)



PTS
(Pediatric Trauma Society)



Children's National Medical Center
Washington, DC



Kapi'olani Children's Hospital

AAPS
(Asian Association of Pediatric Surgeons)

CSPS
(Cambodian Society of Pediatric Surgeons)

Continuing Education

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Case Western Reserve University School of Medicine designates this live activity for a maximum of **6.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Acknowledgment

Educational grants from corporate sponsors in support of this course are gratefully acknowledged. Acceptance of funding in support of this program does not constitute endorsement of any product or manufacturer. A full listing of supporters will be provided in the course syllabus.

Policy Disclosure

The policy of Case Western Reserve University School of Medicine CME Program requires that the Activity Director, planning committee members and all activity faculty (that is, anyone in a position to control the content of the education activity) disclose to the activity participants all relevant financial relationships with commercial interests. Disclosure will be made to activity participants prior to the commencement of the activity. Case Western Reserve University School of Medicine also requires that faculty make clinical recommendations based on the best available scientific evidence and that faculty identify any discussion of "off-label" or investigational use of pharmaceutical products or medical devices.

Live International Web Symposiums

Therapeutic Endoscopy

March 16, 2012

Pediatric Anorectal Malformations

April 11, 2012

Pediatric Oncology

August 17, 2012

For Information: rita.rys@uhhospitals.org

The minimum system requirements to attend this live web symposium include:

- PC-based attendees: Windows® 2000 or Newer with speakers.
- Macintosh®-based: Mac OS® X 10.4 (Tiger®) OR NEWER with speakers.
- Internet Explorer 6.0 or greater, Safari 3.0 or greater, or Firefox 2.0 or greater Adobe Flash Player 8.0 or greater.
- Participants should have a minimum 6 Mb/s download speed. We recommend participants join in on a DSL connection or higher and be hard-wired to the internet.
- Attempting to view or participate in the meeting with a configuration which is lower than minimum requirements will result in dropped audio, video or both.

Web Symposium Description

This course is a full day symposium, led by worldwide opinion leaders, highlighting new concepts and controversies in pediatric trauma. This symposium will address common controversies that pediatric trauma specialists face day to day as well as exploring state of the art pediatric trauma care. This course is directed to anyone who cares for injured children, including, but not limited to, General Surgeons, Pediatric Surgeons, ER Physicians - Adult & Peds, Intensive Care Physicians – Adult & Peds, and Neurosurgeons.

Educational Objectives

The participants will:

- Recognize new concepts of care of the injured child.
- Appreciate the controversies of treatment methods.
- Recognize the Blast Injury Syndrome and describe the approach to Treatment.
- Understand the impact of craniectomy on the outcome of severe head injury.
- Apply the concept of Damage Control Resuscitation and Surgery.
- Appreciate the timing and method of a vascular shunt placement to preserve limb function.
- Understand the use of new technology in rehabilitation of the injured extremity.
- Describe the role of laparoscopy in evaluation and treatment of the injured abdomen.



CASE WESTERN RESERVE
UNIVERSITY
SCHOOL OF MEDICINE



University Hospitals



Rainbow Babies
& Children's Hospital
Minimally Invasive Pediatric Surgery Center

Rita Rys

University Hospitals Case Medical Center
11100 Euclid Avenue, LKS 5047
Department of Surgery
Cleveland, Ohio 44106-5047

Friday, February 17, 2012
Pediatric Trauma:
New Concepts and Controversies
"How I Do It!"

REGISTRATION INFORMATION

Visit <http://www.peds-trauma.com>
for complete registration details and information.
Contact Rita.Rys@uhhospitals.org for additional information.