Right patient. Right place. Right time.
WELCOME

It is exciting for me to officially be a part of the Ninth Annual NOTS Trauma Symposium and warmly welcome you to this educational activity. The Symposium is a great opportunity to learn from each other as we collectively meet the task of improving the care of the injured patient. The hallmark of the Symposium is the multi-disciplinary approach to trauma education that pulls together resources from across Northeast Ohio. NOTS is a collective organization assembled to improve the quality of care for the injured, and the Symposium makes this mission obvious in the educational programing we provide. I stand on the shoulders of others who have grown this program over the last eight years.

This year features excellent didactic talks, breakout sessions, and skills lab. The skills lab is a new highlight that allows participants to work with live tissue to improve their initial resuscitation skills. We also welcome the medical trauma specialists from the Committee On Trauma who will be holding their academic meeting concurrently with the Symposium. This academic collaboration will certainly add to the luster of the program and foster additional academic discussions. Participants in the Symposium will have the opportunity to learn of the quality outcomes evident from the NOTS participating trauma centers and meet the leadership of the organization. Educational outreach and sharing among all of the academic institutions in Northeast Ohio has made both the Symposium and trauma care be the best both can be, and I thank you for contributing to this effort by your attendance.

R. Matthew Walsh, MD, FACS
Medical Director
Northern Ohio Trauma System

SOMETHING HAPPENED ON THE WAY TO THE O.R.

When Todd Maxson, MD, FACS, a pediatric trauma surgeon, left for Little Rock, AR, in 2009 to help establish the Arkansas Trauma System, he was unaware how he would utilize the very system he helped create just eight short years later. He went from trauma surgeon to trauma patient in the blink of an eye.

“It was Friday, September 1, 2017, and I had worked until just before midnight…”
Hear how his life was forever changed.

NOTS ANNUAL CHARITY RECIPIENT

Fisher House Helping Military Families: Because A Family’s Love Is Good Medicine

The formal capital campaign has ended and the transition from a capital campaign task force to The Friends of the Cleveland Fisher Houses committee is now complete. Both houses have been built and the ribbon cutting was June 11, 2019. The Greater Cleveland Fisher House is two homes with 16 suites and will accommodate up to 50 family members. Funds donated going forward stay in Cleveland and will be used to purchase deep-discounted airlines tickets for Fisher House families traveling to and from Cleveland (done through the Fisher House Hero Miles program). Funds will also be used to obtain “entertainment values” for the families in the community such as museum passes, Goodtime cruise tickets, tickets for family events at Quicken Loans Arena, etc. Finally, funds will be used to assist Fisher House families with children who may have educational scholarship needs. Our job now is to meet the needs of the family members who will be staying in The Greater Cleveland Fisher House.
Right patient. Right place. Right time.

SYMPOSIUM PLANNING COMMITTEE

Tod Baker, EMT-P, EMS-I
EMS Coordinator
Northern Ohio Trauma System

Jeffrey Claridge, MD, MS, FACS
Medical Director,
Division Director of Trauma, Critical Care,
Burns and Acute Care Surgery
The MetroHealth System

Sandra Daly-Crossley, MSN, RN
Trauma Program Manager
University Hospitals Cleveland Medical Center

Michael Dingeldein, MD
Pediatric Trauma Medical Director
UH Rainbow Babies and Children’s Hospital

Mary Anne Edwards, RN
Trauma Program Manager
Hillcrest Hospital

Craig Eyman, DO
Trauma Medical Director
Southwest General Hospital

Joe Gavlak, NRP, EMSI
EMS Coordinator
Cleveland Clinic, Fairview Hospital

Lynn Horton, BSN, RN
Pediatric Trauma Program Manager
UH Rainbow Babies and Children’s Hospital

Olivia Houck, MPH, CPH
Regional Trauma Data Specialist
Northern Ohio Trauma System

Moni James, EMS-I, EMT-P
Pediatric Trauma Outreach Educator
UH Rainbow Babies and Children’s Hospital

Cathleen Khandelwal, MD
Trauma Medical Director
Cleveland Clinic, Fairview Hospital

Andrea Martemus-Peters, MSSA, LSW
Violence Injury Prevention Coordinator
Northern Ohio Trauma System

Noreen Molek, CNP, BA, RN
Trauma Program Manager
Southwest General Hospital

Farid F. Muakkassa, MD
Medical Director
Trauma Surgery / Surgical ICU
Cleveland Clinic Akron General

Cristina Ragone, MPH, BSN, RN
Trauma Program Manager
The MetroHealth System

Danielle Rossler, MBA, BSN, RN
Trauma Program Manager
Northern Ohio Trauma System

Karen Shelby, RN, EMS-I
EMS Manager
Hillcrest Hospital

Bill Siciliano, BSN, RN, EMS-I
Regional EMS Director
Cleveland Clinic

Dominic Silvestro, EMT-P, EMS-I
EMS Coordinator
University Hospitals EMS Training and Disaster Preparedness Institute

Shannon Swader, BSN, RN
UH System Trauma Operations Manager

Bernadette Szmigielski, BSN, RN
Trauma Program Manager
Cleveland Clinic, Fairview Hospital

Glen Tinkoff, MD, FACS, FCCN
Chief of Trauma and Acute Care Surgery
University Hospitals Cleveland Medical Center

Sharon Wiita, BSN, RN, CEN
Trauma Program Manager
Cleveland Clinic Akron General

R. Matthew Walsh, MD, FACS
Medical Director, Northern Ohio Trauma System, Professor of Surgery, Rich Family Distinguished Chair of Digestive Diseases, Chairman, Department of General Surgery, Digestive Disease Institute, Chairman, Academic Department of Surgery, Education Institute

David Yarmesch, BSOL, EMS-I, Paramedic
EMS Coordinator
The MetroHealth System/Metro Life Flight

SYMPOSIUM INFORMATION

WHO SHOULD ATTEND
Physicians, nurses, mid-level and pre-hospital providers, residents, and all healthcare providers involved in the care of the trauma patient.

LEARNING OBJECTIVES
The attendees will be able to:
• Explain other ways to help patients with pain control that isn’t related to using an opioid.
• Describe ideas of what they can do in their own facility to help with disaster management.
• Summarize new and upcoming practice for EMS/ED.

LOCATION
Huntington Convention Center of Cleveland
300 Lakeside Ave.
Cleveland, OH 44113

JOINT ACCREDITATION STATEMENT
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the Cleveland Clinic Foundation Center for Continuing Education and The Northern Ohio Trauma System. The Cleveland Clinic Foundation Center for Continuing Education is accredited by the ACCME to provide continuing medical education for physicians.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.
**FACULTY DISCLOSURE STATEMENT**

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

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**DAY 1 NOVEMBER 11, 2019**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 – 7:00 am</td>
<td>REGISTRATION/BREAKFAST/VENDORS</td>
<td>East Tech High School Color Guard</td>
</tr>
<tr>
<td>7:00 – 7:15 am</td>
<td>Veterans Day Recognition</td>
<td>Dr. Jeffrey Claridge/Danielle Rossler</td>
</tr>
<tr>
<td>7:15 – 7:30 am</td>
<td>Welcome/Announcements</td>
<td>Dr. Anne Stormorken</td>
</tr>
<tr>
<td>7:30 – 8:15 am</td>
<td>Multimodal Analgesia in Pediatric Trauma - A Timely Concept Amidst the Opioid Crisis</td>
<td>Dr. George Ochenjele</td>
</tr>
<tr>
<td>8:15 – 9:15 am</td>
<td>1 October Mass Shooting</td>
<td>Chief Greg Cassell</td>
</tr>
<tr>
<td>9:15 – 9:45 am</td>
<td>Complex Pelvic Ring Injuries: Management from the Field to Triage and Beyond</td>
<td>Dr. Anjay Khandelwal</td>
</tr>
<tr>
<td>9:45 – 10:15 am</td>
<td>BREAK/VENDORS</td>
<td>Dr. Matthew Walsh</td>
</tr>
<tr>
<td>10:15 – 11:00 am</td>
<td>The First 20 Minutes</td>
<td>Dr. Baruch Fertel</td>
</tr>
<tr>
<td>11:00 – 11:45 pm</td>
<td>What’s Hot to Scar Not: Modern Trends in Burn Care</td>
<td>Region 5 Committee on Trauma Paper Competition</td>
</tr>
<tr>
<td>11:45 – 12:30 pm</td>
<td>NOTS Annual Report Review</td>
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</tr>
<tr>
<td>12:30 – 1:30 pm</td>
<td>NETWORKING LUNCH</td>
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</table>

**BREAKOUTS**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>SPEAKER</th>
<th>MD, RN, NP, PA (TBD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 – 2:00 pm</td>
<td>The 411 on Emergency Medicine</td>
<td>Dr. Craig Bates</td>
<td>Region 5 Committee on Trauma Paper Competition</td>
</tr>
<tr>
<td>2:00 – 2:30 pm</td>
<td>Current Topics in Prehospital Trauma Resuscitation</td>
<td>Dr. Jeffrey Luk</td>
<td></td>
</tr>
<tr>
<td>2:30 – 3:00 pm</td>
<td>Pediatric Trauma Field Triage</td>
<td>Dr. Michael Dingeldein</td>
<td></td>
</tr>
<tr>
<td>3:00 – 3:30 pm</td>
<td>Mass Casualty Incidents: Are You Prepared?</td>
<td>Dr. Stephanie Schnetz</td>
<td></td>
</tr>
</tbody>
</table>

**6.75 CMEs**

*Schedule and speakers subject to change*
# DAY 2 NOVEMBER 12, 2019

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>SPEAKER</th>
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</thead>
<tbody>
<tr>
<td>6:30 – 7:15 am</td>
<td>REGISTRATION/BREAKFAST/VENDORS</td>
<td></td>
</tr>
<tr>
<td>7:15 – 7:30 am</td>
<td>Welcome/Announcements</td>
<td>Dr. Jeffrey Claridge/Danielle Rossler</td>
</tr>
<tr>
<td>7:30 – 8:00 am</td>
<td>Gun Shot Wound Head Injuries: Field to Discharge</td>
<td>Dr. Michael Kelly</td>
</tr>
<tr>
<td>8:00 – 9:00 am</td>
<td>The Bizarre and Spectacular: Unique Cases in Emergency Care</td>
<td>Terry Foster, MSN, RN</td>
</tr>
<tr>
<td>9:00 – 9:30 am</td>
<td>BREAK/VENDORS</td>
<td></td>
</tr>
<tr>
<td>9:30 – 10:00 am</td>
<td>Bad to the Bone: Cutting Edge Orthopaedic Trauma</td>
<td>Dr. Christina Hardesty</td>
</tr>
<tr>
<td>10:00 – 10:45 am</td>
<td>Communication and Team STEPPS</td>
<td>Dr. Robert Smith and Dr. Joseph Golob</td>
</tr>
<tr>
<td>10:45 – 11:45 pm</td>
<td>Something Happened on the Way to the O.R.</td>
<td>Dr. Todd Maxson</td>
</tr>
</tbody>
</table>

## BREAKOUTS

<table>
<thead>
<tr>
<th>TIME</th>
<th>PREREgisterED (TBD)</th>
<th>ALL ATTENDEES (MAIN BALLROOM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 – 1:30 pm</td>
<td>Seeing the Unseen: Piglab (**40 people max, pre-registration required.)</td>
<td>Moral Distress</td>
</tr>
<tr>
<td>1:30 – 2:00 pm</td>
<td>Seeing the Unseen: Piglab (**40 people max, pre-registration required.)</td>
<td>Medical Examiner Cases: What You Didn’t Know</td>
</tr>
<tr>
<td>2:00 – 2:30 pm</td>
<td>You Can’t Make This Up</td>
<td>Oral Anticoagulants and the Bleeding Trauma Patient</td>
</tr>
</tbody>
</table>

## COME BACK TOGETHER

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 – 3:30 pm</td>
<td>You Can’t Make This Up</td>
<td>Terry Foster, MSN, RN</td>
</tr>
</tbody>
</table>

*Schedule and speakers subject to change*
ACCOMMODATIONS INFORMATION

HOTEL ACCOMMODATIONS
Accommodations are available at the Hilton Cleveland Downtown. To make a reservation, please visit the following link: https://book.passkey.com/e/49846991 or contact the Hotel Reservations Department at 216-413-5000 and ask for the “NOTS Room Block.” A limited number of rooms are available at the discounted rate of $169.00, so please book early.

GROUND TRANSPORTATION
Taxi service is available from Cleveland Hopkins International Airport to the Hilton Hotel. As an alternative, take the rapid transit train (RTA) from the Airport to the Terminal Tower in downtown Cleveland and, from there, take a taxi to the Hilton.

PARKING
The nearest available parking is at the Huntington Garage ($8.00-$12.00) and the Willard Garage ($8.00-$10.00) (see map).

Parking is not included in the price of registration. Garage parking price is subject to change.

AMERICANS WITH DISABILITIES ACT
The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Danielle Rossler and 440-592-1409 at least two weeks prior to the activity.

ADDITIONAL INFORMATION
For further information about the Symposium, fill out the “Contact Us” information on the NOTS registration page, www.northernohiotraumasystem.org.

THINGS TO DO IN CLEVELAND
You’ve heard the Rock and Roll Hall of Fame and Museum is here, but there’s so much more. We have the second largest performing arts center in the nation (Playhouse Square), a concentrated square mile of arts and culture (University Circle), a casino, a Great Lake at our doorstep, an emerald necklace of parks surrounding the city, several major sports teams, more than 100 public golf courses dotting our landscape, a zoo and rainforest that’s home to more than 3,000 animals, an amusement park that is consistently voted the best in the world, tens of colorful festivals…well, you just have to come and discover it for yourself.
REGISTRATION

Registration is accepted online until 11:59 pm EST, Monday, October 28, 2019. Registration fees include all education sessions, materials, continental breakfast, lunch and breaks. Pre-registration with advance payment secures your participation in the program. Certificates of Attendance will be available online after the Symposium. Registration is non-transferable.

NOTS 2019 TRAUMA SYMPOSIUM PRICING

<table>
<thead>
<tr>
<th>Category</th>
<th>1-Day Early Bird thru 10/14</th>
<th>2-Day Early Bird thru 10/14</th>
<th>1-Day 9/17 thru 10/28</th>
<th>2-Day 9/17 thru 10/28</th>
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</thead>
<tbody>
<tr>
<td>Physician/Lawyer</td>
<td>$200</td>
<td>$225</td>
<td>$225</td>
<td>$275</td>
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<tr>
<td>Nurses/NP/PA/Other</td>
<td>$100</td>
<td>$125</td>
<td>$125</td>
<td>$175</td>
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<tr>
<td>EMS/Fire/Social Worker</td>
<td>$75</td>
<td>$100</td>
<td>$100</td>
<td>$125</td>
</tr>
<tr>
<td>Medical Residents/Students</td>
<td>$75</td>
<td>$100</td>
<td>$100</td>
<td>$125</td>
</tr>
</tbody>
</table>

**Seeing the Unseen:** Participation in the pig lab (heart, lung and trachea) is at your own risk. (A Release of Liability Form, provided at registration, must be signed by participants.)

LATE REGISTRATION

After October 28, participants must register on-site and pay an additional fee of $50. On-site registration will be available.

PAYMENT

- Individual registration must be paid by credit card.
- For group registration please contact Tod Baker: tbaker@northernohiotraumasystem.com

CANCELLATIONS

Registration cancellations must be received in writing by e-mail no later than Monday, October 28th. Cancellations received by this date will be refunded, less a $50 administrative fee. All refunds will be processed upon notification or upon the close of the Symposium. No refunds will be given after October 28th. Cancellations can be emailed to tbaker@northernohiotraumasystem.com

Visit the NOTS website at www.northernohiotraumasystem.org to register.

Question about registration? Fill out the “Contact Us” information on the NOTS registration page, www.northernohiotraumasystem.org.

WIN A PRIZE!

Attendees who complete their vendor passports by visiting all of the exhibitor displays during the Symposium will have a chance to win a prize. All registered attendees are eligible to participate. This year we will have a drawing each day at 3:15 p.m. Winners must be present.
2019 PRESENTERS

Elyse Berry, DMIN
Ethics Fellow
The MetroHealth System

Craig Bates, MD, MS, FACEP
Medical Director, Metro Life Flight
Attending Physician, MetroHealth Department of Emergency Medicine
Clinical Assistant Professor of Emergency Medicine, Case Western Reserve University School of Medicine

Chief Greg Cassell
Fire Chief of Clark County Fire Department
Las Vegas, Nevada

Jeffrey Claridge, MD, MS, FACS
Division Director of Trauma, Critical Care, Burns and Acute Care Surgery, The MetroHealth System
Professor of Surgery, Case Western Reserve University School of Medicine

Michael W. Dingeldein, MD, FACS, FAAP
Assistant Professor of Surgery, Case Western Reserve University School of Medicine
Pediatric Trauma Medical Director
Rainbow Babies and Children’s Hospital

David Dolinak, MD
Deputy Medical Examiner Cuyahoga County
Medical Examiner Office

Baruch Fertel, MD
Cleveland Clinic, Center for Emergency Medicine,
Emergency Services

Terry Foster, MSN, RN, FAEN, CCRN, CPEN, TCRN, CEN
Critical-Care Clinical Nurse Specialist
Emergency Departments
St. Elizabeth Medical Center/St. Elizabeth Healthcare

Dr. Joseph Golob, MD, FACS, CPHQ
Medical Director for Hospital Patient Safety
Medical Director of the Surgical and Trauma Intensive Care Units, Program Director for the Surgical Critical Care Fellowship, Assistant Professor of Surgery
Case Western Reserve University School of Medicine At The MetroHealth System

Christina K. Hardesty, MD
Assistant Professor of Orthopaedic Surgery
Assistant Professor of Pediatrics
Case Western Reserve University School of Medicine

Anjay Khandelwal, MD, FACS, FICS
Director, Comprehensive Burn Care Center,
Co-Director, Institute of Burn Ethics,
The MetroHealth System
Assistant Professor of Surgery and Bioethics,
Case Western Reserve University School of Medicine

Jeffrey Luk, MD, MS, FACEP, FAAEM, FAEMS
Director Prehospital and Disaster Medicine
Department of Emergency Medicine
University Hospitals Cleveland Medical Center

Todd Maxson, MD
Surgeon in Chief, Arkansas Children’s Hospital
Chief of Trauma and Burn
Professor of Surgery at University of Arkansas

Farid Muakkassa, MD
Medical Director of Trauma and Surgical Intensive Care
Chief, Trauma Service
Professor Of Clinical Surgery, Northeast Ohio Medical University

George Ochenjele, MD
Assistant Professor of Orthopaedic Surgery
Case Western Reserve University School of Medicine
University Hospitals Cleveland Medical Center

Stephanie Schnetz, DO
Department of Emergency Medicine
Cleveland Clinic, South Pointe Hospital

Robert L. Smith, PhD
Director, Medical Staff Assistance Programs and Team STEPPS
The MetroHealth System

Anne Stormorken, MD
Medical Director Pediatric Pain Service
Co-Medical Director Pediatric Sedation Service
Division of Pediatric Critical Care
UH Rainbow Babies’ and Children’s Hospital
Associate Professor, Department of Pediatrics
Case Western Reserve University School of Medicine

R. Matthew Walsh, MD, FACS
Medical Director, Northern Ohio Trauma System,
Professor of Surgery, Rich Family Distinguished Chair of Digestive Diseases, Chairman, Department of General Surgery, Digestive Disease Institute, Chairman, Academic Department of Surgery, Education Institute

Michael L. Kelly, MD, MA
Assistant Professor of Neurological Surgery, and Physical Medicine and Rehabilitation
Neurosurgery Fellowship
Department of Neurosurgery
The MetroHealth System