6TH ANNUAL
TRAUMA SYMPOSIUM

RIGHT PATIENT.
RIGHT PLACE.
RIGHT TIME.

NOVEMBER
14 & 15, 2016
Huntington Convention Center
of Cleveland

northernohiotraumasystem.org
WELCOME

On behalf of the NOTS Trauma Symposium Committee, we welcome you to our 6th Annual Trauma Symposium. Each year we work toward making the Symposium better than the previous years. This year is no exception; we feel this is our best Symposium to date. Our speakers are from around the country and are leaders in the field of trauma. Our goal is to provide high quality trauma education across all areas of trauma care. This year we will have breakout sessions geared toward pre-hospital and emergency medicine providers along with a simultaneous one directed at inpatient care providers. Please let us know your thoughts – your input is greatly valued and used to ensure we are meeting your needs. WELCOME to the NOTS 6th Annual Trauma Symposium – enjoy.

Sincerely,

Jeffrey A. Claridge, MD, MS, FACS
Medical Director, Northern Ohio Trauma System

Debra Allen, BSN, RN, CCRN
Program Manager, Northern Ohio Trauma System

NOTS Trauma Symposium Planning Committee

This year’s Symposium is very exciting as we are honored to host MetroHealth’s biennial Orthopaedic Trauma Conference on Monday, November 14.

Dr. John Wilber, Professor and Chairperson, Department of Orthopaedics, brought together leaders in orthopaedic specialties from The MetroHealth System. Along with this stellar group of surgeons, Dr. Wilber invited Andrew Pollak, MD, Professor & Chairman, Department of Orthopaedics, University of Maryland School of Medicine and Chief of Orthopaedics, University of Maryland Medical System, who graciously agreed to speak at the general assembly along with being the keynote for the breakout session.

Dr. Pollak brings almost 30 years of orthopaedic trauma experience. He graduated with his MD from Northwestern University and completed his residency in Cleveland at Case Western Reserve University. Dr. Pollak also completed a fellowship in orthopaedic traumatology at the University of California. We are very fortunate to have such a distinguished surgeon speak at our Symposium.

The breakout sessions are arranged to provide a great deal of information in a short period of time. Each lecture is exciting and enlightening and you are sure to come away with new and useful information. There is no additional cost for the breakout session. Please register for the Symposium via the NOTS website.
SYMPOSIUM PLANNING COMMITTEE

Debra Allen, BSN, RN  
Trauma Program Manager  
Northern Ohio Trauma System

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

Cheryl Behm, BSN, RN, EMS-I  
EMS Coordinator/Trauma Injury Prevention  
Fairview Hospital

Vince Caraffi, RS, MPH  
Supervisor  
Cuyahoga County Board of Health

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Medical Director  
Northern Ohio Trauma System  
Division Director  
Trauma, Critical Care and Burns  
The MetroHealth System

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Regional Trauma Data Specialist  
Northern Ohio Trauma System

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Cheryl Hawkins  
Coordinator, Trauma Program Support  
Northern Ohio Trauma System

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Emergency Medicine  
The MetroHealth System

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Southwest General Hospital

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Trauma Program Manager  
MetroHealth Medical Center

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EMS Manager  
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Bill Sillasen, BSN, RN, EMS-I  
Regional EMS Director  
Cleveland Clinic

Bernadette Szmitgielski, BSN, RN  
Trauma Program Manager  
Fairview Hospital

Michael Taylor, MD  
Trauma Surgery and Critical Care  
Fairview Hospital

Richard Treat, MD  
Director of Medical Scientific Board  
Lyn Medical Group

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ASYMPTOM 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.

LOCATION

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

ACCREDITATION AND FACULTY DISCLOSURE

The Northern Ohio Trauma System received accreditation through MetroHealth Medical Center which is accredited by the Ohio State Medical Association (OSMA) to provide continuing medical education for physicians. MetroHealth Medical Center designates this educational activity for a maximum of 12 AMA PRA Category 1 Credit™. Physicians should claim credit commensurate with the extent of their participation in the activity. This CME activity was planned and produced in accordance with OSMA Essentials.

RN/LPNs can utilize a continuing medical education activity that has been approved by a nationally recognized accreditation system of continuing education approval. If you have any questions, please refer to the Ohio Board of Nursing website http://www.nursing.ohio.gov/law_and_rule.htm, Rule 4723-14-06.

It is the policy of the Northern Ohio Trauma System to ensure fair balance, independence, objectivity and scientific rigor in all activities. All faculty participation in CME activities sponsored by the Northern Ohio Trauma System are required to present evidence-based data, identify and reference off-label product use and disclose all relevant financial relationships with those supporting the activity or others whose products or services are discussed.
### Day 1 November 14, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 - 7:15am</td>
<td>Registration / Breakfast / Vendors</td>
</tr>
<tr>
<td>7:15 - 7:30am</td>
<td>Welcome / Announcements Dr. Jeffrey Claridge / Debra Allen</td>
</tr>
<tr>
<td>7:30 - 8:30am</td>
<td>Outcomes After High Energy Lower Extremity Trauma – The Impact of Psychosocial Factors Dr. Andrew Pollak</td>
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<tr>
<td>8:30 - 9:30am</td>
<td>Combat Casualty Care: The BAS (Battalion Aid Station) Experience Major Jesse Reynolds</td>
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<tr>
<td>9:30 - 10:00am</td>
<td>Break / Vendors</td>
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<tr>
<td>10:00 - 11:00am</td>
<td>Novel Ways to Save Patients Starting with Pre-Hospital Resuscitation Dr. Martin Schreiber</td>
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<tr>
<td>11:00 - 12:00pm</td>
<td>Dying a Good Death Dr. Deborah Stein</td>
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<tr>
<td>12:00 - 1:00pm</td>
<td>Lunch</td>
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#### Breakout Session A

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1:00 - 1:30pm</td>
<td>The Particular Trauma of Human Trafficking: Healthcare's Response Anne Victory, RN</td>
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</table>

#### Breakout Session B (Orthopaedic Surgery)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1:00 - 1:15pm</td>
<td>Incidence, Trends &amp; Basic Ballistics Dr. James Learned</td>
</tr>
<tr>
<td>1:15 - 1:30pm</td>
<td>Treatment of Injuries to the Lower Extremity &amp; Pelvis Dr. Heather Vallier</td>
</tr>
<tr>
<td>1:30 - 1:45pm</td>
<td>Injuries to the Shoulder &amp; Arm Dr. Harry Hoyen</td>
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<tr>
<td>1:45 - 2:00pm</td>
<td>Ballistic Injuries of the Spine Dr. Jonathan Belding</td>
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<tr>
<td>2:00 - 2:15pm</td>
<td>Panel Discussion and Q&amp;A All Faculty</td>
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:30 - 2:15pm</td>
<td>Violence Prevention – How Do We Break the Chain? Dr. Bradley Stoichbach</td>
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</table>

#### Keynote Lecture: The Economics of Trauma Care Dr. Andrew Pollak

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:15 - 2:45pm</td>
<td>Was That an Explosion?! Explosive and Blast Injuries Dr. Charles Yowler</td>
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</tbody>
</table>

#### Update on Orthopaedic Trauma Dr. John Wilber (Facilitator)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:45 - 3:00pm</td>
<td>Complex Shoulder Injuries Dr. Blaine Bafus</td>
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<tr>
<td>3:00 - 3:15pm</td>
<td>Update on Radius &amp; Ulna Fractures Dr. Kyle Chepila</td>
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<tr>
<td>3:15 - 3:30pm</td>
<td>Tips &amp; Tricks for Difficult Tibia Fractures Dr. Ari Levine</td>
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<tr>
<td>3:30 - 3:45pm</td>
<td>Periprosthetic Fractures Dr. Roger Wilber</td>
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<tr>
<td>3:45 - 4:00pm</td>
<td>The “Not So Simple” Ankle Fracture Dr. Brendan Patterson</td>
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<tr>
<td>4:00pm</td>
<td>Summary &amp; Closure</td>
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>3:00 - 3:15pm</td>
<td>Closing Statement</td>
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</table>

6 CMEs for Day 1
**DAY 2 NOVEMBER 15, 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 - 7:15am</td>
<td>Registration / Breakfast / Vendors</td>
</tr>
<tr>
<td>7:15 - 7:30am</td>
<td>Opening Statement / Announcements</td>
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<tr>
<td></td>
<td>Dr. Jeffrey Claridge / Debra Allen</td>
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<tr>
<td>7:30 - 8:30am</td>
<td>The Orlando Pulse Tragedy and Aftermath: Perspective on Event and Effect on Training Program</td>
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<td>Dr. William S. Havron III</td>
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<tr>
<td>8:30 - 9:00am</td>
<td>RNC Lessons Learned – The Good, The Bad, &amp; The Ugly</td>
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<td>Dr. Thomas Collins / Dr. Damon Kralovic / James Meola / Marek Owca</td>
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<tr>
<td>9:00 - 9:30am</td>
<td>Case Studies in Chest Trauma: The Obvious and the Obscure</td>
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<td></td>
<td>Dr. John Como</td>
</tr>
<tr>
<td>9:30 - 10:00am</td>
<td>Break / Vendors</td>
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<tr>
<td>10:00 - 10:30am</td>
<td>Breakout Session A</td>
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<tr>
<td></td>
<td>First Response to Active Shooter: Fighting the New Threat to America’s Communities</td>
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<td></td>
<td>Thomas P. Beers</td>
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<tr>
<td>10:30 - 11:00am</td>
<td>Breakout Session B</td>
</tr>
<tr>
<td></td>
<td>Penetrating Trauma To the Head</td>
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<td></td>
<td>Dr. Michael Kelly</td>
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<tr>
<td>10:00 - 10:30am</td>
<td>Spinal Motion Restriction – Case Presentations – Doing the Right Thing</td>
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<td>Never Felt So Good</td>
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<td></td>
<td>Dr. Craig Bates / Dr. James Sauto</td>
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<tr>
<td>10:30 - 11:00am</td>
<td>Latest &amp; Greatest in Bionics/Prosthetics Post Injury</td>
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<td></td>
<td>Dr. Jayme Knutson</td>
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<tr>
<td>11:00 - 12:00pm</td>
<td>Ohio's Opioid Epidemic: Contributing Factors and Prevention Efforts</td>
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<td></td>
<td>Vince Caraffi / Dr. Jason Jerry</td>
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<tr>
<td>12:00 - 1:00pm</td>
<td>Lunch</td>
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<tr>
<td>1:00 - 2:00pm</td>
<td>Operationalizing the Stop the Bleed Campaign</td>
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<td>Dr. David King</td>
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<tr>
<td>2:00 - 3:00pm</td>
<td>Iron Heart: Story of a Trauma Survivor</td>
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<tr>
<td></td>
<td>Mr. Brian Boyle</td>
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<tr>
<td>3:00 - 3:15pm</td>
<td>Prize Giveaway / Closing Statement</td>
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<tr>
<td></td>
<td>6 CMEs for Day 2</td>
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</table>

*schedule and speakers subject to change*
ACCOMMODATIONS INFORMATION

HOTEL ACCOMMODATIONS
Accommodations are available at the Hilton Cleveland Downtown. The Hilton is connected to the Huntington Convention Center of Cleveland. To make a reservation, please contact the Hotel Reservations Department at 216-413-5000 and ask for the “NOTS Trauma Symposium Rate”. A limited number of rooms are available at the discounted rate of $149.00, 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 Cleveland Downtown.

PARKING
The nearest available parking is at the Huntington Garage ($8.00) and the Willard Garage ($9.00) (see map). Valet parking will also be available in front of the Convention Center (Lakeside entrance) for $17.00 per day from 6:30 a.m. to 4:30 p.m.

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

AMERICANS WITH DISABILITIES ACT
As an organization accredited for continuing medical education (CME), the Northern Ohio Trauma System fully complies with the legal requirement of the Americans with Disabilities Act rules and regulations. If any program participant is in need of accommodations, written requests should be submitted at least two weeks in advance of the event.

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, tons 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 31, 2016. Registration is on a first-come basis. 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.

Are you a Cleveland Clinic, MetroHealth or Southwest General employee? As a NOTS member, you are entitled to a registration discount! The discount will be applied upon registration.

LATE REGISTRATION

After October 31, participants must register on-site and pay an additional fee of $50. On-site registration payment by cash or check only – no credit cards.

CANCELLATIONS

Registration cancellations must be received in writing by e-mail no later than Monday, October 31. 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 31. Cancellations can be emailed to jcremona@metrohealth.org.

NOTS 2016 TRAUMA SYMPOSIUM PRICING

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Bird thru 9/30</th>
<th>After 9/30</th>
<th>1-Day Early Bird thru 9/30</th>
<th>1-Day After 9/30</th>
</tr>
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<tbody>
<tr>
<td>Physician</td>
<td>$225</td>
<td>$275</td>
<td>$200</td>
<td>$225</td>
</tr>
<tr>
<td>Nurses/NP/PA/Other</td>
<td>$125</td>
<td>$175</td>
<td>$100</td>
<td>$125</td>
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<tr>
<td>EMS/Fire</td>
<td>$100</td>
<td>$125</td>
<td>$75</td>
<td>$100</td>
</tr>
<tr>
<td>Medical Residents/Students</td>
<td>$100</td>
<td>$125</td>
<td>$75</td>
<td>$100</td>
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Visit the NOTS website at www.northernhiotraumasytem.org to register.

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

WIN AN I-PAD!

Attendees who visit all of the Exhibitor Displays during the Symposium will have a chance to win an I-Pad. All registered attendees are eligible to participate. The drawing will take place on Tuesday, November 15, at 3:00 p.m.
Debra Allen, BSN, RN  
Trauma Program Manager  
Northern Ohio Trauma System

Blaine Todd Bafus, MD  
Hand and Upper Extremity Surgeon  
The MetroHealth System

Craig Bates, MD, MS  
Director, Metro Life Flight  
Department of Emergency Medicine  
The MetroHealth System

Thomas P. Beers, EMT-P, EMS-I  
EMS Manager  
Manager of Emergency Services  
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Jonathan E. Belding, MD  
Departments of Orthopaedics  
& Neurosciences  
The MetroHealth System

Brian Boyle  
Author of “Iron Heart: The True Story of How I Came Back From the Dead”

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Kyle Chepia, MD  
Department of Plastic Surgery  
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Jeffrey A. Claridge, MD, MS  
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Thomas E. Collins, MD  
EMS Director  
Associate Chief Medical Officer  
The MetroHealth System

John J. Como, MD, MPH  
Associate Trauma Medical Director  
The MetroHealth System

William S. Havron III, MD  
Program Director,  
General Surgery Residency Program  
Orlando Health

Harry A. Hoyen, MD  
Director, Hand & Upper Extremity Section  
The MetroHealth System

Jason M. Jerry, MD  
Alcohol and Drug Recovery Center  
The MetroHealth System

Michael Kelly, MD  
Neurosurgeon  
The MetroHealth System

David R. King, MD  
Trauma, Emergency Surgery  
& Surgical Critical Care  
Massachusetts General Hospital

Jayme S. Knutson, PhD  
Director of Research  
Department of Physical Medicine  
& Rehabilitation  
The MetroHealth System

Damon Kralovic, DO  
Medical Director  
The MetroHealth System

James R. Learned, MD  
Orthopaedic Trauma Surgeon  
The MetroHealth System

Ari D. Levine, MD  
Orthopaedic Trauma Surgeon  
The MetroHealth System

James M. Meola, MS, CPS, CHEP  
Director, Emergency Management  
The MetroHealth System

Marek Owca, BSN, MPA, RN, CHEP, EMT  
Director, Emergency Management  
The MetroHealth System

Brendan M. Patterson, MD  
Director, Specialty Care Services  
The MetroHealth System

Andrew N. Pollak, MD  
Chief of Orthopaedics  
University of Maryland Medical System

Jesse P. Reynolds  
Maj, SP, PA-C  
296 BSB, 1-2 SBCT, 7ID  
Ghost Brigade Senior PA

James Sauto, Jr., MD  
Center for Emergency Medicine  
The MetroHealth System

Martin A. Schreiber, MD  
Chief, Division of Trauma, Critical Care  
& Acute Care Surgery  
Oregon Health & Science University

Deborah M. Stein, MD  
Chief of Trauma  
Medical Director, Neurotrauma Critical Care  
R. Adams Cowley Shock Trauma Center  
University of Maryland Medical Center

Bradley C. Stolbach, PhD  
Associate Professor  
Department of Pediatrics  
The University of Chicago  
The Pritzker School of Medicine

Heather A. Vallier, MD  
Clyde L. Nash MD Professor of Orthopaedic Education  
The MetroHealth System

Anne Victory, HM, RN, MSN  
Education Coordinator  
Collaborative to End Human Trafficking

John H. Wilber, MD  
Chairman, Department of Orthopaedics  
Director, Orthopaedic Trauma Service  
The MetroHealth System

Roger G. Wilber, MD  
Director, Pelvis and Acetabular Section  
Department of Orthopaedics  
The MetroHealth System

Charles J. Yowler, MD  
Co-Director, Comprehensive Burn Center  
The MetroHealth System