Pittsburgh Spine Summit

August 10-12, 2023
Allegheny General Hospital
Pittsburgh, Pennsylvania

Sponsored by:
Allegheny Health Network Neuroscience Institute
Allegheny General Hospital
Pittsburgh, Pennsylvania
Conference overview

The Pittsburgh Spine Summit is an annual meeting devoted to advancing the field of spine surgery through the exposition of relevant spine surgical skills, advanced technologies and complications from master spine surgeons. The program is designed for senior-level residents and early-career spine surgeons from both Neurosurgery and Orthopedic Surgery backgrounds. Physician assistants, nurse practitioners, nurses and other physicians involved in the care of patients with spinal disease are also encouraged to attend. This will be an in-person hands-on laboratory and didactic event, with the option for attendees to participate in the didactic portion virtually.

The course will consist of:
- Lectures from world-renowned invited faculty discussing their most complicated cases
- Presentation of standard and advanced approaches for the thoracolumbar and cervical spine
- Hands-on cadaver dissection sessions which will expose attendees to and reinforce their knowledge in the latest technology in minimally invasive surgical techniques
- Interactive case review sessions with invited faculty

Every year a host of preeminent surgeons take the stage to discuss their most thought-provoking lessons gained from their surgical experience. Past keynote speakers have included Volker Sonntag, MD; Hansen Yuan, MD; Arthur Steffe, MD; Edward Benzel, MD; and Hamilton Hall, MD.

Intended Audience: neurosurgeons, orthopaedic spine surgeons, residents, medical students, basic science researchers, physician assistants, nurse practitioners, nurses and others interested in the latest advances in spine surgery.

Conference objectives

At the end of this course, attendee will be able to
- Practice complex surgical techniques
- Perform implant techniques
- Perform robot assisted procedures
- Describe osteobiologics and usage
- Demonstrate and apply advanced spinal techniques

CME accreditation

This conference will provide a total of 5.25 hours of education.
Friday: 2.75 | Saturday: 2.50

Accreditation

Allegheny General Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Allegheny General Hospital designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) and the policy of Allegheny General Hospital, presenters must disclose all relevant financial relationships, which in the context of their presentation(s), could be perceived as a real or apparent conflict of interest, (e.g., ownership of stock, honorarium, or consulting fees). Any identifiable conflicts will be resolved prior to the activity. Any such relationships will be resolved prior to the activity. Any such relationships will be disclosed to the learner prior to the presentation(s).

AHN CME Website

https://cme.ahn.org
Program Agenda

Thursday, August 10
Sponsored Resident Surgical Skills Day (Non-CME)

11:00 a.m.    Registration and Lunch
12:00 – 4:00 p.m.    Hands on Resident Skills Competition
6:00 p.m.    Reception, Meet the Masters, Fairmont Hotel

Friday, August 11, 2023
Sponsored Resident Lectures and Hands-On Cadaver Lab (Non-CME)

6:30 a.m.    Registration and Breakfast
7:00 a.m.    Sponsored Lecture: Title TBA
8:00 a.m.    Cadaver Lab Morning Session
11:15 a.m.    Sponsored Lunch
11:55 a.m.    Cadaver Lab Afternoon Session

Official Spine Summit Kickoff

2:00 p.m.    Welcome and Introduction, Donald Whiting, MD
2:15 – 3:30 p.m.    Spine Surgery Complications Competition (CME), Moderator: TBD

Complications Talk 1    Joseph Cheng, MD
Complications Talk 2    Scott Blumenthal, MD
Complications Talk 3    Jon Yoon, MD
Complications Talk 4    John France, MD
Complications Talk 5    Douglas Orr, MD

3:30 – 3:45 p.m.    Break and Visit Exhibits
3:45- 5:00 p.m.    Spine Surgery Complications Competition Continued (CME)

Complications Talk 6    James Billys, MD
Complications Talk 7    William Welch, MD
Complications Talk 8    Larry Khoo, MD
Complications Talk 9    Neel Anand, MD
Complications Talk 10    Paul Arnold, MD

7:00 p.m.    Spine Summit Opening Reception, Fl.2, Fairmont Hotel
Saturday, August 12, 2023

7:30 a.m.  Registration and Breakfast

8:00 a.m. –  Cadaver Lab Workshop: Hands on With New Technologies
12:00 p.m.  Center For Surgical Arts Lab

Featured Technology Lunch Session, Moderator: TBD (Non-CME)
12:00 p.m.  Chemoneucleosis, Douglas Beall, MD
12:10 p.m.  In Vitro Processing Production (Virtual), Robert Spiro, PhD
12:20 p.m.  Targeted Immunotherapies, Jerome Connor, PhD
12:30 p.m.  Posterior Dynamic Stabilization Facet Replacement, Donald Whiting, MD
12:40 p.m.  Augmented Nucleus Therapies TBD
12:50 p.m.  Connective Tissue Matrices, Kelly Hyatt, MD

Advanced Spinal Surgery Session, Moderator TBD (CME)
1:00 p.m.  The First Series of Revision for Cervical Arthroplasty, Scott Blumenthal, MD
1:10 p.m.  Advanced Technologies for Anterior Columns, Tom Headman, MD
1:20 p.m.  Cranio-cervical Junction Considerations, Jonathan Pace, MD
1:30 p.m.  Interspinous Decompression Spacers – Claudication/Facet Motion, Douglas Beall, MD
1:40 pm.  Posterior Column Motion Preservation, William Welch, MD
1:50 p.m.  Claudication, Douglas Orr, MD
2:00 p.m.  MIS Front/Back Procedures, Larry Khoo, MD
2:10 p.m.  Integrated Supplemental Fixation for Interbody Devices, Neel Anand, MD

2:20 p.m.  Break and Visit Exhibits

New Technologies and Biologics Session, Moderator: Robert Spiro, MD (CME)
2:30 p.m.  Nucleus Augmentation, Jonathan Karnes, MD
2:40 p.m.  Masquelet Models, Liz Pluhar, DVM, PhD
2:50 p.m.  Degenerative SI vs. Traumatic Pelvic Fixation, Daniel T. Altman, MD
3:00 p.m.  Anatomical Considerations: SI Joint Orientation, Brian Kelly, PhD
3:10 p.m.  Robot Assisted Surgeries, Cory Walker, MD
3:20 p.m.  Best Practices in Biomechanics for Regulatory Purposes, Lisa Ferrara, PhD
3:30 p.m.  Closing Remarks, Boyle Cheng, PhD

6:00 p.m.  Closing Reception, Heinz History Center
Conference Director

Boyle Cheng, PhD
Director of Translational Research
Neuroscience and Orthopaedic Surgery
Allegheny Health Network

Conference Co-directors

Alexander Yu, MD
Department of Neurosurgery
Allegheny Health Network

Daniel T. Altman, MD
Department of Orthopaedic Surgery
Allegheny Health Network
Professor of Orthopaedic Surgery
Drexel University College of Medicine

Invited Faculty

Neel Anand, MD
Professor of Orthopaedic Surgery
Cedars-Sinai Spine Center
Los Angeles, California

Paul Arnold, MD, FACS, FAANS
Professor and Chairman of Neurosurgery
Carle Illinois College of Medicine
Urbana, Illinois

Douglas Beall, MD
Clinical Radiology of Oklahoma
Oklahoma City, Oklahoma

James Billys, MD
University of Florida
Tampa, Florida

Scott Blumenthal, MD
Co-Founder, Center for Disc Replacement
Texas Back Institute
Plano, Texas

Joseph Cheng, MD, MS
Frank H. Mayfield Professor and Chair
University of Cincinnati College of Medicine
Cincinnati, Ohio

Jerome Connor, PhD
Vice President, Research and Development
Cerapedics
Westminster, Colorado

Lisa Ferrara, PhD
Hypoid Ventures, LLC
Hendersonville, North Carolina

John France, MD
Professor and Vice Chairman
West Virginia University
Morgantown, West Virginia

Jakob Godzik, MD
University of Alabama
Birmingham, Alabama

Kelly Hiatt, MD
Otolaryngology
Community Hospital East
Indianapolis, Indiana

Jonathan Karnes, MD
Assistant Professor of Clinical Orthopaedics
Wexner Medical Center
Columbus, Ohio

Brian Kelly, PhD
Assistant Professor, Spine Biologics
Barrow Neurologic Institute
Phoenix, Arizona

Larry Khoo, MD
The MIS Spine Clinic
Honolulu, Hawaii

Daniel Laich, DO
Swedish Covenant Hospital
Chicago, Illinois

Matthew Myntti, PhD
Chief Technology Officer
NextScience
Jacksonville, Florida
Douglas Orr, MD  
Cleveland Clinic, Center for Spine Health  
Cleveland, Ohio

Jonathan Pace, MD  
Assistant Professor  
Beth Israel Lahey Clinic  
Boston, Massachusetts

G. Elizabeth Pluhar, DVM, PhD  
College of Veterinary Medicine  
St. Paul, Minnesota

Robert C. Spiro, PhD  
Senior Vice President  
Biologics Development  
Aesculap, Inc.

Corey Walker, MD  
Assistant Professor  
Cedars Sinai  
Los Angeles, California

William Welch, MD  
Professor of Neurosurgery and Orthopaedic Surgery  
Pennsylvania Hospital  
Philadelphia, Pennsylvania

Jon Yoon, MD, MSc, FAANS  
Assistant Professor, Department of Neurosurgery  
Pennsylvania Hospital  
Philadelphia, Pennsylvania

Allegheny Health Network Faculty

Justin Davanzo, MD  
Department of Neurosurgery  
Allegheny Health Network

Jody Leonardo, MD  
Director, Residency Program  
Assistant Professor of Neurosurgery

Lara Massie, MD  
Department of Neurosurgery

Daniel Myers, MD  
Department of Neurosurgery

Michael Patterson, MD  
Anesthesiology/Pain Management

Richard Prostko, MD  
Vice Chairman

Ryan Sauber, MD  
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Nestor Tomycz, MD  
Department of Neurosurgery

Alexander Whiting, MD  
Department of Neurosurgery

Donald Whiting, MD  
Department of Neurosurgery

Richard Williamson, MD  
Department of Neurosurgery

Matthew Shepard, MD  
Department of Neurosurgery

Chen Xu, MD  
Department of Neurosurgery
Registration

To register, please email: 
Michele.birgelen@ahn.org

Additional information can be found at cme.ahn.org

Accommodations

A block of rooms has been reserved for faculty and registrants at the Fairmont Hotel Pittsburgh. Please provide dates of stay and a room will be reserved for you.