



# Clinical Orthopaedic Society

## *105th Annual Meeting*

September 13-16, 2017 ★ Crowne Plaza Union Station ★ Indianapolis, IN



### Download the Complete Program

On a mobile device, in the Apple Store or Google Play store, search "DTMS" and download; on a laptop go online to <https://datatrace.gatherdigital.com>.

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# *Grantor & Exhibitor Acknowledgements*

The Clinical Orthopaedic Society is grateful for the support of its educational grantors and exhibitors. Thank you for your participation and commitment to COS.

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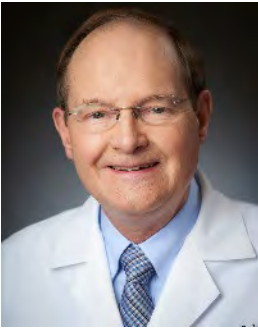
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## President's Welcome

Dear Colleagues,

Thank you for saying "Yes to the COS" by attending the Clinical Orthopaedic Society's 105th Annual Meeting in Indianapolis. It is with great pleasure that I welcome you to the historic Crowne Plaza Union Station Hotel and Conference Center.

The program committee has prepared a variety of unique topics that appeal to orthopaedic surgeons of all sub-specialties. Speakers represent the Indiana University School of Medicine, Indianapolis Motor Speedway, Indianapolis Colts, Indiana Pacers, several Indiana cities and other states.

We will continue the longstanding COS tradition with two patient presentations, and debut rapid fire sessions, which allow small-group interaction on relevant topics in multiple specialties. One symposium is devoted to advocacy, an important way for orthopedists to make a difference in political matters.

The presidential guest speakers are Dr. John Kelly of Philadelphia, Director of Shoulder Sports Medicine at the University of Pennsylvania's Perelman School of Medicine, and Dr. Melissa Kacena, an Indiana University Department of Orthopaedic Surgery staff member who is working with the National Aeronautics and Space Administration on a major research project.

The J. Elmer Nix Award will be presented to the Operation Walk Program. Dr. Wesley Lackey will accept the award on behalf of the international humanitarian aid organization and discuss its volunteer mission to help poor people in developing countries.

Art and history are the focus of several social programs for spouses, family members and guests, and a "Dine Around" evening features popular downtown restaurants. Indianapolis is a fun and affordable city with many museums and other tourism opportunities.

If you have any questions, please contact me or our COS management team from Data Trace, who will assist members and guests at the registration booth throughout the conference.

Best Always,

*John*

John E. Garber, MD  
President, Clinical Orthopaedic Society

## Presidential Guest Speakers



*Melissa Kacena, PhD*  
*Indianapolis, IN*  
**Astro Orthopaedics**  
Thursday, 1:55 pm



*John D. Kelly IV, MD*  
*Philadelphia, PA*  
**Massive Cuff Tear: Alternatives to Reverse Shoulder Arthroplasty**  
Thursday, 11:40 am  
**How to Stay Energized for a Career in Orthopaedic Surgery**  
Friday, 1:10 pm

# Summary of Events

See Scientific Program for times for all CME Activities

## KEY

- ⦿ Activity/Tour
- ✦ Social Event
- \* Special Presentation

## Wednesday, September 13

12:00 pm – 5:00 pm

**Board of Directors Meeting** Executive Boardroom

12:00 pm – 5:00 pm

**Exhibit Setup** Grand Central Station

12:00 pm – 5:00 pm

**Meeting Registration** Grand Central Station Foyer

12:00 pm – 5:00 pm

**Speaker Ready Area** Penn Station C

## Thursday, September 14

6:00 am – 5:35 pm

**Speaker Ready Area** Penn Station C

6:30 am – 7:30 am

**Multimedia Education Session** Penn Station C

6:30 am – 5:35 pm

**Meeting Registration** Grand Central Station Foyer

7:00 am – 12:45 pm

**Technical Exhibits, Continental Breakfast, Coffee Breaks and Daily Drawing**

Grand Central Station

7:30 am – 5:35 pm

**Scientific Program** Victoria Station

9:20 am – 9:40 am

**Break – Please visit Exhibits** Grand Central Station

10:30 am – 2:15 pm

⦿ **Spouse Hospitality / Indianapolis Museum of Art**

Meet in Lobby

A one-hour docent led tour at the renowned Indianapolis Museum of Art just north of downtown includes transportation and lunch. More than 50,000 works of art--notably paintings by Rembrandt, Rubens, El Greco, Monet, Renoir and Pissarro as well as unique sculptures and ceramics--date back many centuries from a variety of countries and cultures.

10:30 am - Meet in lobby for departure

11:00 am - Docent Led Tour

12:15 pm - Lunch at IMA Café

2:15 pm - Depart Museum

*Price: Included in Registration Fee*

11:20 am – 11:40 am

**Break – Please visit Exhibits** Grand Central Station

11:40 am – 12:10 pm

\* **Presidential Guest Speaker** Victoria Station

John D. Kelly IV, MD

University of Pennsylvania

*Massive Cuff Tear: Alternatives to Reverse Shoulder Arthroplasty*

12:45 pm – 1:45 pm

**COS Luncheon with Exhibitors** Grand Central Station

1:55 pm – 2:25 pm

\* **Presidential Guest Speaker** Victoria Station

Melissa A. Kacena, PhD

NASA Consultant/Indiana University School of Medicine

*Astro Orthopaedics*

2:55 pm – 3:25 pm

\* **Patient Presentation** Victoria Station

Randall Loder, MD

Indiana University Health

3:35 pm – 3:55 pm

**Break – Please visit Exhibits** Grand Central Station

5:35 pm – 7:00 pm

✦ **President's Welcome Reception with Exhibitors**

Grand Central Station

Before you go to dinner, start your evening off with drinks and hors d'oeuvres with COS.

*Attire: Business Casual*

*Price: Included in Registration Fee*

7:00 pm

⦿ **Dine Around**

Join your colleagues for a night of dining at one of the four reserved restaurants in Indianapolis. COS has made all of the arrangements for you. Just sign up on-site at registration with your friends and enjoy! Choose between Harry & Izzys's, St. Elmo Steak House (6:45pm and 7:15 pm), Nada Restaurant (Mexican) and Yard House. This event is on your own and each individual will be responsible for their own bill.

# Summary of Events

See Scientific Program for times for all CME Activities

## KEY

- ⦿ Activity/Tour
- Social Event
- \* Special Presentation

## Friday, September 15

6:00 am – 4:50 pm

**Speaker Ready Area** Penn Station C

6:30 am – 7:45 am

**Multimedia Education Session** Penn Station C

6:30 am – 4:50 pm

**Meeting Registration** Grand Central Station

7:00 am – 4:50 pm

**Technical Exhibits, Continental Breakfast, Coffee Breaks and Daily Drawing**  
Grand Central Station

7:45 am – 4:50 pm

**Scientific Program** Victoria Station

8:30 am – 10:30 am

➤ **Spouse/Children's Hospitality Breakfast**

Haymarket B

Join your friends and meet new spouses while enjoying a continental breakfast. David McDaniel, an Indiana State Museum curator, will revisit yesteryear with artifacts from days gone by.

*Price: Included in Registration Fee*

8:45 am – 9:05 am

**Break – Please visit Exhibits** Grand Central Station

10:45 am – 11:05 am

**Break – Please visit Exhibits** Grand Central Station

11:35 am – 12:10 pm

\* **Dr. and Mrs. J. Elmer Nix Presentation and Lecture** Victoria Station

12:10 pm – 1:10 pm

**COS Luncheon with Exhibitors** Grand Central Station

1:10 pm – 1:40 pm

\* **Presidential Guest Speaker** Victoria Station

John D. Kelly IV, MD  
University of Pennsylvania

*How to Stay Energized for a Career in Orthopaedic Surgery*

2:15 pm – 2:35 pm

**Break – Please visit Exhibits** Grand Central Station

4:50 pm – 6:00 pm

➤ **Happy Hour Reception** Iron Horse

All COS attendees and guests are invited to attend the Iron Horse Reception. This is the first Union Station built in the United States and dates back to

the 1850s. Discover the historic train station as you enjoy beverages and hors d'oeuvres with friends from the COS!

*Price: Included in Registration Fee*

6:00 pm – 7:00 pm

**Multimedia Education Session** Penn Station C

7:00 pm

⦿ **Dine Around**

The Dine Around gives COS attendees an opportunity to experience the excellent restaurants available in the area. The choice is up to you whether you repeat the same restaurant or go to a different one. On Friday, join your colleagues for a night of dining at one of the four reserved restaurants in Indianapolis. COS has made all of the arrangements for you. Just sign up on-site at registration with your friends. Same restaurants as Thursday evening so pick one that you did not go to and enjoy! This event is on your own and each individual will be responsible for their own bill.

## Saturday, September 16

6:00 am – 12:15 pm

**Speaker Ready Area** Penn Station C

6:30 am – 8:15 am

**Multimedia Education Session** Penn Station C

7:30 am – 12:15 pm

**Meeting Registration** Grand Central Station Foyer

7:45 am – 8:15 am

➤ **Continental Breakfast** Victoria Station Foyer

8:15 am – 12:15 pm

**Scientific Program** Victoria Station

9:45 am – 10:15 am

\* **Patient Presentation** Victoria Station

Brian Mullis, MD  
Indiana University School of Medicine

10:55 am – 11:05 am

**Refreshment Break** Victoria Station Foyer

11:35 am – 12:00 pm

**Clinical Orthopaedic Society Annual Membership & Business Meeting** Victoria Station

# Scientific Program Victoria Station, Unless Otherwise Specified

## CME Accreditation

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **23 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

\* 18 CME Credits for Scientific Program

\* 5 CME Credits for Multimedia Education Sessions

To ensure correct CME credit is awarded, go online to [www.cosociety.org](http://www.cosociety.org) to complete the COS 2017 Annual Meeting CME Credit Records. CME Certificates will be awarded to all registered participants.

## Thursday, September 14

6:30 am – 7:30 am

Multimedia Education Session [Penn Station C](#)

7:30 am – 7:40 am

Welcome and Opening Remarks

John E. Garber, MD, President

### Symposium 1

Moderator: John E. Garber, MD, Witham Orthopaedic Associates

7:40 am – 8:10 am

Indianapolis 500 and Evolution of Driver Safety

J. Douglas Boles, President, Indianapolis Motor Speedway

8:10 am – 8:40 am

Cervical Myelopathy

Richard C. Sasso, MD, Indiana Spine Group

8:40 am – 9:10 am

Stretching with a Purpose

David H. Craig, LAT, ATC, Former Indiana Pacers Trainer

9:10 am – 9:20 am

Discussion

9:20 am – 9:40 am

BREAK—Please visit Exhibits [Grand Central Station](#)

### Symposium 2A

Moderator: James A. Slough, MD, Excelsior Orthopaedics

9:40 am – 10:10 am

Trauma

Renn J. Crichlow, MD, OrthoIndy

10:10 am – 10:40 am

Throwing Injuries

Arthur C. Rettig, MD, Indianapolis Colts Orthopaedist/  
Methodist Sports Medicine

10:40 am – 10:45 am

Discussion

### Rapid Fire Session 1A – Hip Arthroplasty [Penn Station A](#)

Moderators: Frederick C. Flandry, MD, FACS, The Hughston Clinic &  
Ricardo J. Rodriguez, MD, Baton Rouge Orthopaedic Clinic, LLC

10:50 am – 10:54 am

Hip Arthroscopy in Patients with Childhood Hip  
Conditions: Is There a Functional Difference in  
Outcomes?

Brian M. Godshaw, MD, Ochsner Medical Center

10:54 am – 10:58 am

Hip Arthroscopy in Patients with a History of Cigarette  
Use: Is There a Difference Functional in Outcomes?

Brian M. Godshaw, MD, Ochsner Medical Center

10:58 am – 11:02 am

Outcomes of Direct Anterior Total Hip Arthroplasty  
(DA-THA) in the Elderly Population

Neel Gupta, MD, Hahnemann University Hospital/Drexel  
University College of Medicine

11:02 am – 11:05 am

Discussion

11:05 am – 11:09 am

Same Day Discharge Total Hip Arthroplasty: Who Failed  
the Program and Why?

Joseph I. Levieddin, New York University Medical Center

\*Presented by Zlatan Cizmic, MD

11:09 am – 11:13 am

Total Hip Arthroplasty in Human Immunodeficiency  
Virus-Positive Patients—Up to 14 Year Follow-Up

David Novikov, BS, New York University Medical Center

11:13 am – 11:17 am

Risk Factors Associated with Persistent Chronic Opioid  
Use Following Total Hip Arthroplasty

# Scientific Program

Victoria Station, Unless Otherwise Specified

Mackenzie A. Roof, BS, New York University Hospital of Joint Diseases

\*Presented by James Feng, MD

11:17 am – 11:20 am

Discussion

## Rapid Fire Session 1B – Misc. [Penn Station B](#)

Moderators: Ramon F. Rodriguez, MD, Tulane University  
John Dorris III, MD, Athens Bone & Joint Orthopedic Clinic

10:50 am – 10:54 am

Glennoid Neck Hounsfield Units on Computed Tomography Can Risk Stratify Patients with Bone Mineral Density Disease

LT Kyle E. Nappo, MD, Walter Reed National Military Medical Center

\* Presented by Sean Wade, MD

10:54 am – 10:58 am

Do Intraoperative Steroids Result in Elevated Postoperative WBC Count in Spine Surgery?

Jack Osborn, Orthopedic Care Center

10:58 am – 11:02 am

## First Place Resident/Fellow Rapid Fire Award

Screw in Lisfranc Ligament

Stephen Sierra, BS, University of Texas Medical Branch

11:02 am – 11:05 am

Discussion

11:05 am – 11:09 am

Subtalar Arthrodesis through a Posterior Surgical Approach in the Treatment of Patients with Painful Disabling Subtalar Joint Arthritis after Calcaneus Fractures

Raoul P. Rodriguez, MD, Tulane University School of Medicine

11:09 am – 11:13 am

Manipulation Rate after Total Knee Arthroplasty with Patient-Specific Implants: Is It As Concerning As We Have Previously Thought?

LT Kyle E. Nappo, MD, Walter Reed National Military Medical Center

\* Presented by Sean Wade, MD

11:13 am – 11:17 am

Stress Riser Formation between Adjacent Cortical Plates: A Biomechanical Analysis in an Osteoporotic Model  
Thomas Githens, DO, Texas Tech University Health Sciences Center

11:17 am – 11:20 am

Discussion

11:20 am – 11:40 am

BREAK—Please visit Exhibits [Grand Central Station](#)

## Symposium 2B

Moderator: James A. Slough, MD, Excelsior Orthopaedics

11:40 am – 12:10 pm

Massive Cuff Tear: Alternatives to Reverse Shoulder Arthroplasty

John D. Kelly IV, MD, Presidential Guest Speaker, University of Pennsylvania

12:10 pm – 12:40 pm

Superior Capsular Reconstruction

Brian L. Badman, MD, American Health Network

12:40 pm – 12:45 pm

Discussion

12:45 pm – 1:45 pm

**COS Luncheon with Exhibitors** [Grand Central Station](#)

1:45 pm – 1:55 pm

## ABOS Update

David F. Martin, MD, Wake Forest University

## Symposium 3

Moderator: Bess E. Brackett, MD, Sutter Health

1:55 pm – 2:25 pm

Astro Orthopaedics

Melissa A. Kacena, PhD, Presidential Guest Speaker, NASA Consultant/Indiana University School of Medicine

2:25 pm – 2:55 pm

Recent Advances in the Pediatric Hip

Randall T. Loder, MD, Indiana University Health

2:55 pm – 3:25 pm

Patient Presentation

Randall T. Loder, MD, Indiana University Health

3:25 pm – 3:35 pm

Discussion

3:35 pm – 3:55 pm

BREAK—Please visit Exhibits [Grand Central Station](#)

## Symposium 4

Moderator: George W. Brindley, MD, Texas Tech University Health Sciences Center

3:55 pm – 4:25 pm

Physician Personal Finance: Knowledge to Avoid Mistakes

John T. Wortman, CFP, and J.P. Wyand, CFP, Valeo Financial Advisors

# Scientific Program Victoria Station, Unless Otherwise Specified

4:25 pm – 4:55 pm

History of the Clinical Orthopaedic Society  
Bess E. Brackett, MD, Sutter Health and E. Boone Brackett, MD, iTriage

4:55 pm – 5:25 pm

Advocacy in Orthopaedics  
James A. Slough, MD, Excelsior Orthopaedics, Lawrence S. Halperin, MD, Orlando Orthopaedic Center, and David McIntosh, JD, Club for Growth

5:25 pm – 5:35 pm

Discussion

## Friday, September 15

6:30 am – 7:45 am

Multimedia Education Session [Penn Station C](#)

### General Session 1: Resident Papers

Moderator: Ramon F. Rodriguez, MD, Tulane University

7:45 am – 7:51 am

Tourniquetless Surgery Decreases Opioid Consumption in Contemporary Total Knee Arthroplasty with Modern Perioperative Protocols  
Mark J. Hood Jr., MD, Indiana University

7:51 am – 7:57 am

Serum D-Dimer: A New Test for Timing of Reimplantation  
Alisina Shahi, MD, Rothman Institute at Thomas Jefferson University  
\*Presented by Seyedali R. Ghasemi, MD

7:57 am – 8:03 am

Home Health Services Are Not Required Following Total Hip Arthroplasty  
David Novikov, BS, New York University Medical Center  
\* Presented by James Feng, MD

8:03 am – 8:09 am

The Early Immunologic Response in Multiply Injured Patients with Orthopaedic Injuries Is Associated with Organ Dysfunction  
Robert P. Wessel, MD, Indiana University

8:09 am – 8:15 am

Cyclops Lesions after ACL Reconstruction: Bone-Tendon-Bone Autograft Compared to Hamstring Autograft  
Zachary K. Pharr, MD, University of Tennessee Campbell Clinic

8:15 am – 8:21 am

Hip Arthroscopy in Obese Patients: Is There a Functional Difference in Outcomes?  
Brian M. Godshaw, MD, Ochsner Medical Center

8:21 am – 8:27 am

Same Day Discharge for Unicompartmental and Total Knee Arthroplasty: Two-Year Experience in a Large Urban Academic Center  
Matthew Siow, BA, New York University Hospital of Joint Diseases

8:27 am – 8:33 am

**Resident Paper Award**  
Anterior Approach for Open Reduction and Internal Fixation of Acute Unstable Slipped Capital Femoral Epiphysis  
Margaret A. Baldwin, MD, University of Oklahoma Health Science Center

8:33 am – 8:45 am

Discussion

8:45 am – 9:05 am

BREAK—Please visit Exhibits [Grand Central Station](#)

### Symposium 5

Moderator: John Dorris III, MD, Athens Bone & Joint Orthopedic Clinic

9:05 am – 9:35 am

Management of Musculoskeletal Tumors  
L. Daniel Wurtz, MD, University Orthopaedics Associates

9:35 am – 10:05 am

Orthopaedic Injuries and Complications of the Civil War  
Fred Schaefer, CSFA-OS, OrthoIndy

10:05 am – 10:35 am

Anterior Hip Arthroplasty in Obese Patients  
Gregory P. McComis MD, North Point Orthopaedics

10:35 am – 10:45 am

Discussion

10:45 am – 11:05 am

BREAK—Please visit Exhibits [Grand Central Station](#)

### Rapid Fire Session 2A – Knee [Penn Station A](#)

Moderators: James A. Slough, MD, Excelsior Orthopaedics  
Bess E. Brackett, MD, Sutter Health

11:05 am – 11:09 am

Hyaluronic Acid Injections of the Knee: Predictors of Successful Treatment  
Eric N. Bowman, MD, University of Tennessee Campbell Clinic  
\*Presented by Justin D. Hallock, MD

11:09 am – 11:13 am

Medial Patellofemoral Ligament Complex Reconstruction without Transosseous Patellar Fixation: A Technique



# Scientific Program

Victoria Station, Unless Otherwise Specified

## Description and Short-Term Outcomes

Eric N. Bowman, MD, University of Tennessee Campbell Clinic

\*Presented by Justin D. Hallock, MD

11:13 am – 11:17 am

Trochlear Resection Variation and "Understuffing" with a Contemporary Total Knee Arthroplasty Design

Rodney W. Benner, MD, Shelbourne Knee Center

11:17 am – 11:20 am

Discussion

11:20 am – 11:24 am

Minimum 20-year Results of Anterior Cruciate Ligament Reconstruction with Patellar Tendon Autograft

K. Donald Shelbourne, MD, Shelbourne Knee Center

11:24 am – 11:28 am

Biomechanical Evaluation of Graft Preparation Systems in a Cadaveric Knee Model

Michael Mafilios, BA, Health Economics Associates

\*Presented by Meghan Pusquali

11:28 am – 11:32 am

Treatment of Posterior Root Medial Meniscus Tears in Middle-Age Patients

K. Donald Shelbourne, MD, Shelbourne Knee Center

11:32 am – 11:35 am

Discussion

## Rapid Fire Session 2B – Miscellaneous [Penn Station B](#)

Moderators: Lawrence S. Halperin, MD, Orlando Orthopaedic Center  
George W. Brindley, MD, Texas Tech University Health Sciences Center

11:05 am – 11:09 am

Outcomes of Reverse Shoulder Prosthesis without Latissimus Dorsi Transfer for Patients with Combined Loss of Active Elevation and External Rotation (CLEER)

Brandon Horn II, DO, Witham Hospital Lebanon/Anson

11:09 am – 11:13 am

Eighty-two Cases of Venous Thromboembolism: Analysis of Adherence to Accepted Methods of Prophylaxis

Joseph I. Levieddin, New York University Medical Center

\*Presented by James Feng, MD

11:13 am – 11:17 am

Maintenance of Board Certification in Orthopaedics

Samrath Bhimani, MD, Ortho Georgia

\*Presented by Guy D. Foulkes, MD

11:17 am – 11:20 am

Discussion

11:20 am – 11:24 am

Factors that Influence Same Day Discharge Failure Rates Following Unicompartamental and Total Knee Arthroplasty

Matthew Siow, BA, New York University Hospital of Joint Diseases

11:24 am – 11:28 am

Perioperative Orthopaedic Surgical Home (POSH): Optimizing Patient Health and Preventing Readmission in Total Joint Arthroplasty

Kelvin Kim, BA, New York University Medical Center

\*Presented by Zlatan Cizmiciu, MD

11:28 am – 11:32 am

Predicting Next-Day Discharge in Total Joint Arthroplasty

Kelvin Kim, BA, New York University Medical Center

\*Presented by David Novikov, BS

11:32 am – 11:35 am

Discussion

## Symposium 6A

Moderator: John E. Garber MD, Witham Orthopaedic Associates

11:35 am – 12:10 pm

**Dr. and Mrs. J. Elmer Nix Presentation and Lecture**

Operation Walk - Merrill A. Ritter, MD

Wesley G. Lackey, MD, Midwest Center for Joint Replacement

12:10 pm – 1:10 pm

**COS Luncheon with Exhibitors** [Grand Central Station](#)

## Symposium 6B

Moderator: John E. Garber MD, Witham Orthopaedic Associates

1:10 pm – 1:40 pm

How to Stay Energized for a Career in Orthopaedic Surgery

John D. Kelly IV MD, Presidential Guest Speaker, University of Pennsylvania

1:40 pm – 2:10 pm

Non-Operative Treatment of Knee Osteoarthritis and Rehabilitation after Total Knee Surgery

K. Donald Shelbourne, MD, Shelbourne Knee Center

2:10 pm – 2:15 pm

Discussion

2:15 pm – 2:35 pm

**BREAK**—Please visit Exhibits [Grand Central Station](#)

## Symposium 7

Moderator: J. Randall Riehl, MD, Decatur Orthopaedic Clinic

# Scientific Program

Victoria Station, Unless Otherwise Specified

2:35 pm – 3:05 pm

Infection Management in Total Knee Arthroplasty and Total Hip Arthroplasty: A 2017 Update  
Lucian C. Warth, MD, Indiana University Health

3:05 pm – 3:35 pm

Arthroscopic Abductor Tendon Repair  
Ricardo J. Rodriguez, MD, Baton Rouge Orthopaedic Clinic, LLC

3:35 pm – 4:05 pm

Successful Implementation of a Reduced Opioid Program for Total Joint Replacement  
Stephen F. Mitros, MD, Mitros Orthopaedics

4:05 pm – 4:15 pm

Discussion

## Rapid Fire Session 3A – Upper Extremity

Penn Station A

Moderators: J. Randall Riehl, MD, Decatur Orthopaedic Clinic  
John E. Garber MD, Witham Orthopaedic Associates

4:20 pm – 4:24 pm

Surgeon Experience, Sagittal Reduction, and Complications of Proximal Humerus Fractures  
Tomas Liskutin, MS, Loyola University Chicago Stritch School of Medicine  
\*Presented by Elizabeth Harkin, MD

4:24 pm – 4:28 pm

Outcomes of Surgical Treatment for High-Energy Open Forearm Fractures  
LT Kyle E. Nappo, MD, Walter Reed National Military Medical Center  
\*Presented by Sean Wade, MD

4:28 pm – 4:32 pm

The Tritomic Approach: A Triceps-Sparing Posterior Approach to the Elbow  
Colton Webber, Mercer University School of Medicine  
\*Presented by Kimberly Gorton, BA

4:32 pm – 4:35 pm

Discussion

4:35 pm – 4:39 pm

Comparative Outcomes of Various Combinations of Bilateral Shoulder Arthroplasty  
Brandon Horn II, DO, Witham Orthopaedic Associates

4:39 pm – 4:43 pm

Loss of Functional Internal Rotation Following Various Combinations of Bilateral Shoulder Arthroplasty  
Brandon Horn II, DO, Witham Orthopaedic Associates

4:43 pm – 4:47 pm

Stenosing Tenosynovitis: An Exploration of Glucocorticoid Induced Heterotopic Ossification  
Austinn Miller, BS, Mercer University

4:47 pm – 4:50 pm

Discussion

## Rapid Fire Sessions 3B – Total Joint Penn Station B

Moderators: E. Boone Brackett, MD, iTriage  
Stephen F. Mitros, MD, Mitros Orthopaedics

4:20 pm – 4:24 pm

A Novel Skin Closure Device for Total Knee Arthroplasty: Randomized, Controlled Trial versus Staples  
Rodney W. Benner, MD, Shelbourne Knee Center

4:24 pm – 4:28 pm

### Third Place Resident/Fellow Rapid Fire Award

Are Tourniquets Indicated in Total Knee Arthroplasty in the Era of Tranexamic Acid: A Meta-analysis and Systematic Review  
Rajkishen Narayanan, MS, New York University Hospital of Joint Diseases

4:28 pm – 4:32 pm

Preoperative Chronic Opioid Users in Total Knee Arthroplasty – Identification of At-Risk Patients for Continued Opioid Use after Surgery?  
Mackenzie A. Roof, BS, New York University Hospital of Joint Diseases  
\*Presented by David Novikov, BS

4:32 pm – 4:35 pm

Discussion

4:35 pm – 4:39 pm

Obstructive Sleep Apnea is a Potential Risk Factor for Regional Anesthesia Failure in Total Joint Arthroplasty  
David Novikov, BS, New York University Hospital of Joint Diseases

4:39 pm – 4:43 pm

### Second Place Resident/Fellow Rapid Fire Award

Risk Factors of a Major Cause of In-Hospital Mortality in Total Hip and Knee Arthroplasty Patients; In-Hospital Venous Thromboembolism  
Alisina Shahi, MD, Rothman Institute at Thomas Jefferson University  
\*Presented by Seyedali R. Ghasemi, MD

4:43 pm – 4:47 pm

The Utility of Synovial Absolute Neutrophil Count in Diagnosing Periprosthetic Joint Infection  
Alisina Shahi, MD, Rothman Institute at Thomas Jefferson

# Scientific Program

Victoria Station, Unless Otherwise Specified

University

\*Presented by Seyedali R. Ghasemi, MD

4:47 pm – 4:50 pm

Discussion

6:00 pm – 7:00 pm

Multimedia Education Session [Penn Station C](#)

## Saturday, September 16

6:30 am – 8:15 am

Multimedia Education Session [Penn Station C](#)

### General Session 3 - Resident Papers

Moderator: Ramon F. Rodriguez, MD, Tulane University

8:15 am – 8:21 am

Use of the Risk Assessment Prediction Tool (RAPT) to Determine if Total Joint Patients Will Benefit from Extending Length of Stay to Avoid Discharge to Post-Acute Rehabilitation Facilities

Joseph Levieddin, MD, New York University Medical Center

\*Presented by Zlatan Cizmic, MD

8:21 am – 8:27 am

Posterior Malleolar Fixation Reduces the Need for Trans-Syndesmotic Fixation in Rotational Ankle Fractures

Rajkishen Narayanan, MS, New York University Hospital of Joint Diseases

8:27 am – 8:33 am

Do Local Antibiotics Reduce Periprosthetic Joint Infections?

Craig A. Winkler, MD, Texas Tech University Health Sciences Center

8:33 am – 8:39 am

The Effects of Preoperative Chronic Opioid Use in Total Hip Arthroplasty

Mackenzie A. Roof, BS, New York University Hospital of Joint Diseases

\*Presented by James Feng, MD

8:39 am – 8:45 am

Flexible Distal Femur Fracture Constructs Lead to Decreased Nonunion Rate

Michael R. Koerner, MD, Greenville Health System

8:45 am – 8:51 am

Robotic vs. Traditional Unicompartmental Knee Arthroplasty: A Short-Term Comparative Analysis

Kelvin Kim, BA, New York University Hospital of Joint Diseases

\*Presented by David Novikov, BS

8:51 am – 8:57 am

Pre-Operative Glycemic Control Predicts Peri-Operative Serum Glucose Levels in Patients Undergoing Total Joint Arthroplasty

Brian M. Godshaw, MD, Ochsner Medical Center

8:57 am – 9:03 am

Biomechanical Strength of a Novel Tendon Splicing Open Book Technique Compared to the Pulvertaft Method Using Unembalmed Human Cadaveric Tissue

Eric S. Wait, MD, Texas Tech Health Science Center

### Symposium 8

Moderator: Ricardo J. Rodriguez, MD, Baton Rouge Orthopaedic Clinic, LLC

9:15 am – 9:45 am

Risks of Anemia vs. Transfusion in Orthopaedic Trauma Patients

Brian H. Mullis, MD, Indiana University School of Medicine

9:45 am – 10:15 am

Patient Presentation

Brian H. Mullis, MD, Indiana University School of Medicine

10:15 am – 10:45 am

Osteoporosis Management

Emily Frank, MD, Carmel, IN

10:45 am – 10:55 am

Discussion

10:55 am – 11:05 am

Refreshment Break [Victoria Station Foyer](#)

### Symposium 9

Moderator: John E. Garber MD, Witham Orthopaedic Associates

11:05 am – 11:35 am

Ankle Fractures—Syndesmosis Injuries in the Athlete

David A. Porter, MD, Methodist Sports Medicine

11:35 am – 12:00 pm

Clinical Orthopaedic Society Annual Membership & Business Meeting

John E. Garber MD, Witham Orthopaedic Associates

12:00 pm – 12:15 pm

Presidential Address/Passing of the Gavel/Adjournment

John E. Garber MD, Witham Orthopaedic Associates



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