

MID-AMERICA ORTHOPAEDIC ASSOCIATION

Twenty-Seventh Annual Meeting



April 22-26, 2009
Amelia Island Plantation
Amelia Island, Florida



Preliminary Program and Registration Information
Visit www.maoa.org to register online

Dear Colleagues:

Welcome to Amelia Island and the Plantation! The 27th Annual Meeting of the Mid-America Orthopaedic Association has shaped up to be an outstanding event. I look forward to hosting you for what will be a very enjoyable and educational meeting. The property should allow some quality time to be spent with your family, so I encourage everyone to include them in your plans.

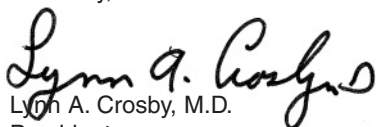
The Program Committee, chaired by Dr. Richard Laughlin, has put together an ambitious scientific program. The program has been extended to include one additional breakout session each day to allow for the increased number of excellent papers to be presented. A shoulder symposium has been added to the first plenary session to take advantage of the distinguished shoulder surgeons that will be attending so they can update the membership on what is new in shoulder surgery. Dr. Steve Petersen has been asked to moderate this session. Drs. Bob Arciero, Louis Bigliani, Robert Cofield, and Joseph Zuckerman will be participating in this shoulder surgery update.

The Rapp Lecture, designed to discuss the cutting edge of musculoskeletal science, will be presented by past president, Dr. Daniel Berry. Dr. Berry will talk about total hip arthroplasty and the effects and future of alternative bearing surfaces throughout the world. The Steel Lecture will be given by Terry Aitken who is the Senior Curator for the National Museum of the United States Air Force. He will give us his insight into the "History of Museums Past, Present, and Future". The Presidential Guest Speaker this year will be Dr. Louis Bigliani, Chair and Director of the Columbia University Shoulder Service. Dr. Bigliani is also the current President of the AOA and will speak on "The Subacromial Space: The Shoulder's Unique Anatomy Past, Present, and Future" as his address to our Association. The Classic Speakers are Dr. Bob Arciero giving his talk on "The Pearls and Pitfalls in the Management of the Chronic Multi-Ligament Deficient Knee", Dr. David Lichtman speaking on "Kienbock's Disease: Past, Present, and Future", and Dr. Art Manoli presenting his experience on "The Subtle Cavus Foot".

I want to once again thank the Association for allowing me to serve as the 27th President. A special thank you to the office staff, Ms. Sue McKinley and Ms. Pam Kluck, for making this year a true pleasure. They are the heart and soul of the organization and make the job enjoyable. Also, thank you to Dr. Ham Peterson who continues to keep the organization going forward with his never-ending enthusiasm and hard work.

I hope you will decide to join me for this outstanding scientific event. Bring your family and enjoy the beach, tennis, and golf at this first class resort. If you have been unable to attend a previous MAOA meeting at the Plantation, please visit the web site (www.aipfl.com) to look at this beautiful location.

Sincerely,

A handwritten signature in dark ink, reading "Lynn A. Crosby". The signature is fluid and cursive, with the first name "Lynn" being more prominent and the last name "Crosby" following in a similar style.

Lynn A. Crosby, M.D.

President

Mid-America Orthopaedic Association

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REGISTRATION INFORMATION

**Registration for the 2009 Annual Meeting
will be done online through Mid-America's web site.**

**Please visit www.maoa.org
to register for the meeting and reserve a hotel room.**

There will be no spouse fee.

Make plans early to attend a great meeting.

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 sponsorship of the American Academy of Orthopaedic Surgeons and Mid-America Orthopaedic Association. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 26 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

NEW FOR 2009 ANNUAL MEETING PRACTICE MANAGEMENT COURSE

A Practice Management Course “Connecting the Dots – Managing the Future of your Practice” will be held on Wednesday, April 22 from 1:00-5:30 p.m. This course is produced by the AAOS and is co-sponsored by the AAOS and MAOA.

This course will address coding, financial, operational, and technology issues for the practicing orthopedic surgeon. Residents are also encouraged to register for this course. CME credits will be offered (4 Category 1). Registration for the Practice Management Course can be done via the MAOA web site (www.maoa.org).

OBJECTIVES

Objective 1: Understand current treatment and advances in the major areas of shoulder surgery (rotator cuff repair, arthritis, proximal humerus fractures).

Objective 2: Provide an overview of recent technical advances in hip reconstructive surgery.

Objective 3: Understand the clinical presentation and sequelae encountered with the cavovarus foot.

Objective 4: Provide an update in the management of traumatic and degenerative pathology of the wrist.

DISCLAIMER

The data, conclusions, and opinions presented by those who speak or exhibit at Mid-America Orthopaedic Association sponsored meetings or who serve as authors in its publications, are solely the responsibility of those individuals or exhibitors and are not to be considered those of the Association, which takes no responsibility for them. The Association does not endorse any products.

MID-AMERICA ORTHOPAEDIC ASSOCIATION
PRELIMINARY PROGRAM
Twenty-Seventh Annual Meeting
April 22-26, 2009

WEDNESDAY, APRIL 22, 2009

12:00 noon - 8:00 p.m.

Registration

1:00 p.m. - 5:30 p.m.

Practice Management Course

"Connecting the Dots – Managing the
Future of your Practice"

Produced by AAOS

Co-sponsored by AAOS and MAOA
(see page 2)

3:00 p.m.

Board of Directors' Meeting

4:00 p.m.

Board of Director Spouse/Social
Committee Gathering

5:30 p.m.

Exhibitors' Meeting

6:00 p.m. - 7:00 p.m.

**Steel Lecture – "Past, Present, and
Future of Museums"**

Mr. Terry Aitken

Wright-Patterson Air Force Base, OH

Senior Curator,

National Museum of the United States
Air Force

In America, are there more McDonalds or museums? You've probably guessed wrong. At last count, there were 3,638 more museums than our favorite golden arches! The American Association of Museums currently reports 17,500 museums in our cultural landscape. Where did museums come from and just what are they contributing today to our communities? Perhaps even more important, what may we expect from museums in the future? These, and many more questions about museums, will be answered in this year's Steel Lecture by the Senior Curator of one of America's largest (and best) museums.

7:00 p.m. - 9:00 p.m.

Welcome Reception and Buffet

Children's meal tickets are available for \$25/child (ages 3-12). Children's tickets may be purchased via the MAOA web site when registering for the meeting.

THURSDAY, APRIL 23, 2009

6:00 a.m. - 1:00 p.m.

Registration

7:30 a.m. - 12:30 p.m.

Exhibits/Posters Open (continental breakfast available from 7:30 a.m. - 9:00 a.m. in exhibit area)

FIRST PLENARY SESSION

8:05 a.m. - 10:15 a.m.

8:05 a.m. - 8:10 a.m.

Introductory Remarks

Lynn A. Crosby, M.D.

Dayton, OH

President, Mid-America

Orthopaedic Association

8:10 a.m. – 8:30 a.m.

AAOS Report

Joseph D. Zuckerman, M.D.

New York, NY

2009-2010 AAOS President

8:30 a.m. - 8:47 a.m.

1. The Effect of Tissue Bite Size on Rotator Cuff Stitch Strength: Is Bigger Better?

Brent A. Ponce, M.D.

Birmingham, AL

*Chad D. Hosemann, III, M.D.

Birmingham, AL

Parthasarathy Raghava, M.S.

Birmingham, AL

Alan W. Eberhardt, Ph.D.

Birmingham, AL

2. Outcomes Following Hemiarthroplasty with Tuberosity Coverage for Chronic Rotator Cuff Deficiency and Arthritis

Ryan M. Arnold, M.D.

Omaha, NE

Junfeng Sun, Ph.D.

Omaha, NE

Jason P. Weber, B.S.

Omaha, NE

*Edward V. Fehringer, M.D.

Omaha, NE

3. A Radiographic Analysis of the Effect of Glenosphere Position and Prosthetic Design on Scapular Notching Following Reverse Total Shoulder Arthroplasty

*Laurence B. Kempton, M.D.

Royal Oak, MI

J. Michael Wiater, M.D.

Royal Oak, MI

8:50 a.m. - 9:45 a.m.

SHOULDER SYMPOSIUM

“What’s New in Shoulder Surgery?”

Steve A. Petersen, M.D., Moderator
Lutherville, MD

Robert A. Arciero, M.D.
Farmington, CT
(Instability)

Louis U. Bigliani, M.D.
New York, NY
(Rotator Cuff)

Robert H. Cofield, M.D.
Rochester, MN
(Total Shoulder Arthroplasty)

Joseph D. Zuckerman, M.D.
New York, NY
(Proximal Humerus Fracture)

9:45 a.m. - 10:15 a.m.

CLASSICS IN ORTHOPAEDICS

“Pearls and Pitfalls in the Management of the Chronic Multi-Ligament Deficient Knee”

Robert A. Arciero, M.D.
Farmington, CT

10:15 a.m. - 10:30 a.m.

First Business Meeting (MAOA Members Only)

10:15 a.m. - 11:00 a.m.

Coffee Break in Exhibit Area

11:00 a.m. - 12:45 p.m.

Breakout Sessions #1, #2, #3, #4, and #5 to run concurrently

BREAKOUT SESSION #1

TOTAL KNEE REPLACEMENT

11:00 a.m.-12:53 p.m., Thursday, April 23, 2009

4. Developing the Occupational Activities Knee Scale (OAKS) for Primary Total Knee Replacement Patients

*Joseph F. Styron, B.S.

Cleveland, OH

Alison K. Klika, M.S.

Cleveland, OH

Mendel Singer, Ph.D.

Cleveland, OH

Trevor G. Murray, M.D.

Cleveland, OH

Wael K. Barsoum, M.D.

Cleveland, OH

5. Clunk is Solved But Patellar Crepitus Persists: Prevalence, Severity, and Natural History in Two Contemporary Posterior Stabilized Knee Designs

Mir H. Ali, M.D.

Rochester, MN

*Mark W. Pagnano, M.D.

Rochester, MN

Robert T. Trousdale, M.D.

Rochester, MN

6. Antibodies to Hylan G-F20 and Hyaluronan in Patients Receiving Viscosupplementation

Paul H. Wooley, Ph.D.

Wichita, KS

Zheng Song, M.D.

Wichita, KS

*David C. Markel, M.D.

Southfield, MI

*Denotes Speaker

7. Computer-Assisted Surgery in Total Knee Arthroplasty
*Todd C. Kelley, M.D.
Cincinnati, OH
Michael L. Swank, M.D.
Cincinnati, OH
8. Postoperative Pain and Contracture Following TKA Comparing Parapatellar and Subvastus Approaches
*Arthur L. Malkani, M.D.
Louisville, KY
Madhusudhan R. Yakkanti, M.D.
Louisville, KY
Brian M. Curtin, M.D.
Louisville, KY
Dale L. Baker
Louisville, KY
9. Intraoperative Fracture During Primary Total Knee Arthroplasty
*William H. Duncan, M.D.
Rochester, MN
Joshua A. Baumfeld, M.D.
Rochester, MN
Robert T. Trousdale, M.D.
Rochester, MN
Mark W. Pagnano, M.D.
Rochester, MN
George J. Haidukewych, M.D.
Temple Terrace, FL
10. Do Porous Tantalum Implants Help Preserve Bone? Evaluation of Tibial Bone Density Surrounding Tantalum Tibial Implants in TKA
Terence J. Gioe, M.D.
Minneapolis, MN
*Alicia K. Harrison, M.D.
Minneapolis, MN
Christine Simonelli, M.D.
Woodbury, MN
Penny Tatman, MPH, MT (ASCP)
St. Paul, MN
11. Cruciate-Retaining Total Knee Arthroplasty Using a Third Generation System with a Four-Pegged Tibial Component: A Minimum 10-Year Follow-Up Study
*Adam Schwartz, M.D.
Chicago, IL
Craig J. Della Valle, M.D.
Chicago, IL
Aaron G. Rosenberg, M.D.
Chicago, IL
Joshua J. Jacobs, M.D.
Chicago, IL
Richard A. Berger, M.D.
Chicago, IL
Jorge O. Galante, M.D.
Chicago, IL
12. Complications Following Total Knee Arthroplasty in the Superobese, BMI >50
*Aaron J. Altenburg, M.D.
Pocatello, ID
David J. Polga, M.D.
Rochester, MN
Robert T. Trousdale, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
13. Prospective Evaluation of EIUS Unicompartmental Replacement: The Early Failures
C. Lowry Barnes, M.D.
Little Rock, AR
*Daniel Lincoln, B.S.
Little Rock, AR
Becky Brewer, B.S.
Little Rock, AR
14. Use of a Novel Three-Dimensional Titanium Porous Scaffolding on Tibial Components to Promote Bone/Prosthesis Osseointegration
*Paul S. Lux, M.D.
Chesterfield, MO
Jeffrey W. Martin, M.D.
St. Louis, MO
Myron Stachniw, M.D.
Galesburg, IL
David D. Waddell, M.D.
Shreveport, LA
Jonette Hodge, R.N.
Arlington, TN

15. Cost Effectiveness of a Blood Salvage System in Primary Total Knee Arthroplasty

*Clifford K. Boese, M.D.
Council Bluffs, IA
Theresa Gallo, P.A.
Council Bluffs, IA
Michaela Carlson, M.S.
Council Bluffs, IA
Marcia Weis, R.N.
Council Bluffs, IA
Rebecca Baker, R.N.
Council Bluffs, IA
Brian Cooley, R.N.
Council Bluffs, IA

16. Lateral Unicompartmental Knee Arthroplasty: Results at a Minimum of Two Years

*David Weimer, M.D.
Chicago, IL
Craig J. Della Valle, M.D.
Chicago, IL
Richard A. Berger, M.D.
Chicago, IL
Aaron G. Rosenberg, M.D.
Chicago, IL
Jorge O. Galante, M.D.
Chicago, IL

17. Results of Postoperative Positive Blood Cultures Following Total Joint Arthroplasty

*Joseph W. George, Jr., M.D.
Cleveland, OH
Trevor G. Murray, M.D.
Cleveland, OH
Robert Molloy, M.D.
Cleveland, OH
Alison K. Klika, M.S.
Cleveland, OH
Viktor E. Krebs, M.D.
Cleveland, OH
Wael K. Barsoum, M.D.
Cleveland, OH

BREAKOUT SESSION #2 TRAUMA

11:00 a.m.-12:45 p.m., Thursday, April 23, 2009

18. A Comparison of Early Postoperative Wound Complications Following the Anteromedial versus Anterolateral Approaches For Pilon Fractures

*Michael S. Khazzam, M.D.
Columbia, MO
Brett D. Crist, M.D.
Columbia, MO
Allison M. Wade, M.D.
Columbia, MO
Thomas W. McEwan, B.S.
Columbia, MO
Yvonne M. Murtha, M.D.
Columbia, MO
Gregory J. Della Rocca, M.D.
Columbia, MO

19. Biomechanical Comparison of Polyaxial-Type Locking Plates and a Fixed-Angle Locking Plate for Internal Fixation of Distal Femur Fractures

*Randall J. Otto, M.D.
St. Louis, MO
Berton R. Moed, M.D.
St. Louis, MO
J. Gary Bledsoe, Ph.D.
St. Louis, MO

20. Wound Closure in Open Fractures: A Prospective Protocol Using Post Debridement Culture Results

*Christopher J. Lenarz, M.D.
St. Louis, MO
J. Tracy Watson, M.D.
St. Louis, MO
Berton R. Moed, M.D.
St. Louis, MO

21. Outcome Comparison of Closed Reduction Percutaneous Pinning versus Locked Plating of Proximal Humerus Fractures

*Daniel K. Williams, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI

22. Anterolateral Approach for Pilon Fractures: Rate of Wound Complications in the Early Postoperative Period
*Michael S. Khazzam, M.D.
Columbia, MO
Brett D. Crist, M.D.
Columbia, MO
Allison M. Wade, M.D.
Columbia, MO
Gregory J. Della Rocca, M.D.
Columbia, MO
23. Biomechanical Analysis of a Proximal Humerus Locking Plate with Two Types of Head Fixation
*Ross A. Schumer, M.D.
Dayton, OH
Kara L. Muckley
Dayton, OH
Jonathan Heflin, M.D.
Dayton, OH
Michael J. Prayson, M.D.
Dayton, OH
Tarun Goswami, Ph.D.
Dayton, OH
24. Comparison of Superior and Anteroinferior Plate Placement in the Treatment of Clavicle Fractures
*Robert S. Rice, M.D.
Rochester, MN
S. Andrew Sems, M.D.
Rochester, MN
Michael E. Torchia, M.D.
Rochester, MN
Peter A. Cole, M.D.
St. Paul, MN
Adam Bloemke, M.D.
St. Paul, MN
Andrew H. Schmidt, M.D.
Minneapolis, MN
25. Closed Reduction Percutaneous Pinning of Proximal Humeral Fractures: Complications and Functional Outcomes
*Praveen C. Perni, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
26. Trochanteric Cephalomedullary Intramedullary Nailing of Reverse Oblique Pertrochanteric Fractures (AO A3.1)
*Scott M. Holthusen, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
27. Knee Injuries in the Floating Knee
*Mr. Ulfin Rethnam
Rhyl, United Kingdom
Mrs. Rajam Yesupalan
Rhyl, United Kingdom
Mr. Rajagopalan Nair
Bangalore, India
28. A Biomechanical Evaluation of Hybrid Fixation in an Osteoporotic Supracondylar Femur Fracture Model
*David J. Dalstrom, M.D.
Dayton, OH
Michael J. Prayson, M.D.
Dayton, OH
Emmanuel Konstantakos, M.D.
Dayton, OH
29. Locked Plate Fixation of Humeral Shaft Fractures in Osteoporotic Bone
*David E. Lukowski, M.D.
Akron, OH
Andrew J. Schoenfeld, M.D.
Boston, MA
Mark C. Leeson, M.D.
Akron, OH
Gregory A. Vrabec, M.D.
Akron, OH
Jake P. Heiney, M.D.
San Diego, CA
Suneel Battula, Ph.D.
San Diego, CA
Glen O. Njus, Ph.D.
Akron, OH

30. Cytokine Availability from Intramedullary Reaming Aspirate in Diabetic Nonunion Surgery
*Todd A. Schubkegel, M.D.
Maywood, IL
Michael S. Pinzur, M.D.
Maywood, IL
Frederick Wezeman, Ph.D.
Maywood, IL
Michael D. Stover, M.D.
Maywood, IL
John Callaci, Ph.D.
Maywood, IL

BREAKOUT SESSION #3

SPORTS

11:00 a.m.-12:45 p.m., Thursday, April 23, 2009

31. Biomechanical Comparison of Meniscal Suture, Repair Devices, and Techniques
*Brian C. Aros, M.D.
Columbus, OH
William K. Vasileff, M.D.
Columbus, OH
Alan S. Litsky, M.D.
Columbus, OH
Angela Pedroza, MPH, MT (ASCP)
Columbus, OH
David C. Flanigan, M.D.
Columbus, OH
32. Reconstruction of the ACL Using an All-Inside Minimally Invasive Surgical Technique
*Katherine J. Coyner, M.D.
Royal Oak, MI
Ross Cooper, M.S.
Royal Oak, MI
Stacie Graves, P.A.
Royal Oak, MI
James Bradley, M.D.
Royal Oak, MI
Kyle Anderson, M.D.
Royal Oak, MI
33. Knee Kinematics in Double-Bundle ACL Reconstruction Following Destruction of the Bone Bridge Separating Tunnels: A Cadaveric Simulation of Tunnel Enlargement
*Jaren M. Riley, M.D.
Iowa City, IA
Elizabeth R. Cohen, B.S.
Iowa City, IA
John P. Albright, M.D.
Iowa City, IA
Paul D. Butler, B.S.
Iowa City, IA
34. Meniscal Repair with the MaxFire Device: A Cadaveric Study
Rickland L. Likes, D.O.
Columbus, OH
Abhishek Julka, M.D.
Ann Arbor, MI
Brian C. Aros, M.D.
Columbus, OH
Angela Pedroza, MPH, MT (ASCP)
Columbus, OH
Grant L. Jones, M.D.
Columbus, OH
Christopher C. Kaeding, M.D.
Columbus, OH
*David C. Flanigan, M.D.
Columbus, OH
35. Incidence and Role of Preoperative Depressive Symptoms in Outcome Following Meniscectomy
Elizabeth R. Cohen, B.S.
Iowa City, IA
*John P. Albright, M.D.
Iowa City, IA
Jingzhen Yang, Ph.D.
Iowa City, IA
Annunziato S. Amendola, M.D.
Iowa City, IA
Brian R. Wolf, M.D.
Iowa City, IA
36. ACL Deficient Cadaveric Knee: Single- versus Double-Bundle versus Extra-Articular Reconstruction Methods
Jaren M. Riley, M.D.
Iowa City, IA
*Paul D. Butler, B.S.
Iowa City, IA
Elizabeth R. Cohen, B.S.
Iowa City, IA
John P. Albright, M.D.
Iowa City, IA
Daniel R. Thedens, Ph.D.
Iowa City, IA
Lee Bennett, M.D.
Iowa City, IA
37. Osteochondritis Dissecans of the Lateral Femoral Condyle: Variations in Morphology, Location, and Associated Findings
Keith R. Gabriel, M.D.
Springfield, IL
*Billy K. Parsley, M.D.
Springfield, IL
Damion M. Harris, M.D.
Springfield, IL

*Denotes Speaker

38. Radiographic Correlation of Knee Range of Motion Assessed on Routine Physical Examination
*Paul G. Peters, M.D.
Dayton, OH
Michael A. Herbenick, M.D.
Dayton, OH
Philip A. Anloague, PT, DHSc, OCS, MTC
Dayton, OH
Ronald J. Markert, Ph.D.
Dayton, OH
L. Joseph Rubino, M.D.
Dayton, OH
39. Athletes with Chronic Exertional Compartment Syndrome of the Leg: Results of Single Incision Endoscopic Assisted Fasciotomy at Three-Year Follow-Up
*Alexander K. Meininger, M.D.
Chicago, IL
Mark R. Hutchinson, M.D.
Chicago, IL
40. Kinematics of Isometric Extension in Normal, ACL-, and PCL-Deficient Knees
*John D. Blaha, M.D.
Ann Arbor, MI
David K. DeBoer, M.D.
Nashville, TN
C. Lowry Barnes, M.D.
Little Rock, AR
Richard Obert, M.S.
Arlington, TN
Paul Sternniski, M.S.
Arlington, TN
Michael Carroll, B.S.
Arlington, TN
41. Isolated Femoral Condyle Chondral Defects in a Static Bovine Model – The Effect of Size on Subchondral Bone Contact Area
*Joshua D. Harris, M.D.
Columbus, OH
Rob Siston, Ph.D.
Columbus, OH
Pete Brockmeier, B.S.
Columbus, OH
David C. Flanigan, M.D.
Columbus, OH
42. Evaluation of “High Strength” Orthopedic Suture: A Head-to-Head Comparison
*Timothy L. Miller, M.D.
Columbus, OH
David C. Flanigan, M.D.
Columbus, OH
Jeffrey Feinblatt, M.D.
Columbus, OH
Alan S. Litsky, M.D.
Columbus, OH
43. Latissimus Dorsi and Teres Major Tears in Professional Baseball Players: A Case Series
*Scott G. Kaar, M.D.
St. Louis, MO
Mark R. Schickendantz, M.D.
Cleveland, OH
Keith Meister, M.D.
Arlington, TX
Pamela Lund, M.D.
Scottsdale, AZ
Laurel Beverley, M.D.
Parma, OH

BREAKOUT SESSION #4

SPINE

11:00 a.m.-12:53 p.m., Thursday, April 23, 2009

44. Biomechanical Comparison of Cervical Compression Staple and Constrained Anterior Cervical Plate with Single Level Fusion Model of the Cervical Spine
*Guy R. Fogel, M.D.
San Antonio, TX
Weiqliang Liu, Ph.D.
San Antonio, TX
45. Outcome of Surgical Treatment of Adjacent Segment Disease After Lumbar Fusion with Lumbar I/F Cages and the Variable Screw Placement System
Guy R. Fogel, M.D.
San Antonio, TX
Lesley Shure, M.D.
San Antonio, TX
*John S. Toohey, M.D.
San Antonio, TX
Arvo Neidre, M.D.
San Antonio, TX

46. Pedicle Subtraction Osteotomy at the Spinal Cord Level for Fixed Sagittal Imbalance
*Karl F. Bowman, Jr., M.D.
Ann Arbor, MI
Gregory P. Graziano, M.D.
Ann Arbor, MI
Frances P. Farley, M.D.
Ann Arbor, MI
47. The Effects of Lordosis, Disc Height Change, Subsidence, and Transitional Segment on Stand-Alone Anterior Lumbar Interbody Fusion Using a Non-Tapered Threaded Device
*Karthek K. Reddy, M.D.
Fort Wayne, IN
Kevin A. Rahn, M.D.
Fort Wayne, IN
Robert M. Shugart, M.D.
Fort Wayne, IN
Mark W. Wylie, M.D.
Fort Wayne, IN
48. The Effect of Altered Sagittal Alignment on Posterior Fixation at the Cervicothoracic Junction
*Thomas J. Sylvester, M.D.
Maywood, IL
Alexander J. Ghanayem, M.D.
Maywood, IL
Susan M. Renner, Ph.D.
Hines, IL
Leonard I. Voronov, M.D.
Hines, IL
Braden McIntosh, B.S.
Hines, IL
Robert M. Havey, M.S.
Hines, IL
Gerard Carandang, B.S.
Hines, IL
Avinash G. Patwardhan, Ph.D.
Hines, IL
Anastasios Dimitriadis, M.D.
Hines, IL
Dongkeun Lee
Hines, IL
49. Preoperative Predictors of Infection in Patients Undergoing Elective Spine Surgery
*James T. Beckmann, B.S.
Cleveland, OH
Krzysztof B. Siemionow, M.D.
Cleveland, OH
Gordon R. Bell, M.D.
Cleveland, OH
50. Pedicle Response After Placement of Pedicle Screws in Adult Thoracolumbar Spines: A Biomechanical Comparison of Three Age Groups
*Amy M. Wickman, M.D.
Maywood, IL
Anthony S. Rinella, M.D.
Maywood, IL
Leonard I. Voronov, M.D.
Hines, IL
Gerard Carandang, M.S.
Hines, IL
Robert M. Havey, B.S.
Hines, IL
Mark J. Conroy, M.S.
Hines, IL
Alexander J. Ghanayem, M.D.
Maywood, IL
Avinash G. Patwardhan, Ph.D.
Hines, IL
51. Use of the Dynesys Dynamic Stabilization System for Degenerative Disc Disease and Retrospective Review of the Results
*Kevin A. Rahn, M.D.
Fort Wayne, IN
B. Matthew Hicks, M.D.
Fort Wayne, IN
Robert M. Shugart, M.D.
Fort Wayne, IN
Sanjeev M. Balamohan
Fort Wayne, IN
52. Characterization and Outcomes for Patients with Pathological Vertebral Fractures Related to Multiple Myeloma Treated With Kyphoplasty
*Ramesh C. Srinivasan, M.D.
Ann Arbor, MI
Gregory A. Graziano, M.D.
Ann Arbor, MI
53. Guided Oblique Lumbar Interbody Fixation: A Biomechanical Study in Human Cadaveric Spine
*Selvon F. St. Clair, M.D.
Cleveland, OH
Juay Seng Tan, M.D.
Cleveland, OH
Isador H. Lieberman, M.D.
Cleveland, OH

54. Management of a Pregnant Patient with a Burst Fracture Causing Neurologic Injury
Christopher J. Lenarz, M.D.
St. Louis, MO
*Howard M. Place, M.D.
St. Louis, MO
55. Baseline Health Domain Scores Are Predictive of Six Month Survival in Patients with Spinal Metastasis
Krzysztof B. Siemionow, M.D.
Cleveland, OH
Takayuki Yamashita, M.D.
Cleveland, OH
Thomas Mroz, M.D.
Cleveland, OH
Isador H. Lieberman, M.D.
Cleveland, OH
56. Functional Impairment Scores Predictive of Six Month Survival in Patients with Spinal Metastases
Krzysztof B. Siemionow, M.D.
Cleveland, OH
Takayuki Yamashita, M.D.
Cleveland, OH
Thomas Mroz, M.D.
Cleveland, OH
Isador H. Lieberman, M.D.
Cleveland, OH
57. Evaluation of a Single-Dose, Extended Release Epidural Morphine Formulation for Pain Control After Lumbar Spine Surgery
*Joseph C. Vineyard, M.D.
San Antonio, TX
Erik V. Nott, M.D.
San Antonio, TX
John S. Toohey, M.D.
San Antonio, TX
Arvo Neidre, M.D.
San Antonio, TX
Guy R. Fogel, M.D.
San Antonio, TX
Robert Joyner, M.D.
San Antonio, TX

BREAKOUT SESSION #5 UPPER EXTREMITY

11:00 a.m.-12:45 p.m., Thursday, April 23, 2009

58. Analysis of 400 Consecutive Distal Radius Fractures Treated with Volar Locked Plating
*Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Cory M. Stewart, B.S.
Detroit, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
59. Direct Repair of Chronic Distal Biceps Tendon Ruptures
*Jeffrey A. Greenberg, M.D.
Indianapolis, IN
Christy F. Kellams, M.D.
Indianapolis, IN
60. Biomechanical Comparison of FiberLoop versus Looped Supramid Extra versus Ethibond Suture in Zone II Flexor Tendon Repair Using a Cyclic Protocol
Joy V. Sharma, M.D.
Cleveland, OH
Ryan Milks, M.S.A.E., M.S.M.E.
Cleveland, OH
Kathleen A. Derwin, Ph.D.
Cleveland, OH
Peter J. Evans, M.D.
Cleveland, OH
*Jeffrey N. Lawton, M.D.
Cleveland, OH
61. Brunelli Reconstruction for Scapholunate Instability – Results from a District Hospital
*Mr. Ulfen Rethnam
Rhyl, United Kingdom
Rajam Yesupalan
Rhyl, United Kingdom
Mr. Nigel Clay
Rhyl, United Kingdom

62. Candidates for Reverse Shoulder Arthroplasty: Incidence in a Tertiary Orthopedic Center
*Alicia K. Harrison, M.D.
Minneapolis, MN
Jonathan P. Braman, M.D.
Minneapolis, MN
63. The Palmar Fat Pad is a Reliable Intraoperative Landmark During Carpal Tunnel Release
*Taruna J. Madhav, M.D.
Cincinnati, OH
Philip To, M.D.
Cincinnati, OH
Michael T. Archdeacon, M.D.
Cincinnati, OH
Peter J. Stern, M.D.
Cincinnati, OH
64. Shoulder Arthroplasty in Patients 50 Years of Age or Younger with Glenohumeral Osteoarthritis: 20 Years Experience
*Robert B. Bartelt, M.D.
Rochester, MN
John W. Sperling, M.D.
Rochester, MN
Cathy D. Schleck, B.S.
Rochester, MN
Robert H. Cofield, M.D.
Rochester, MN
65. Posterior Elbow Coverage: The Whole and Split Flexor Carpi Ulnaris Flaps
*Robert W. Wysocki, M.D.
Chicago, IL
Robert L. Gray, M.D.
Chicago, IL
John J. Fernandez, M.D.
Chicago, IL
Mark S. Cohen, M.D.
Chicago, IL
66. Functional Results of Reverse Shoulder Arthroplasty versus Cuff Repair in Patients Greater Than Age 60
William T. Pennington, M.D.
Milwaukee, WI
*Timothy I. Mullin, M.D.
Milwaukee, WI
Brian A. Bartz, P.A.
Milwaukee, WI
Jonathan Klinger, B.S.
Milwaukee, WI
67. Arthroscopic Glenoid Resurfacing: Results in Patients with Failed Previous Arthroscopic Debridement
William T. Pennington, M.D.
Milwaukee, WI
*Joseph C. McCormick, M.D.
Milwaukee, WI
Brian A. Bartz, P.A.
Milwaukee, WI
Jonathan Klinger, B.S.
Milwaukee, WI
68. Increased Training Correlates with Performance on a Virtual Reality Simulator for Shoulder Arthroscopy
*Michael E. Angeline, M.D.
Chicago, IL
Sherwin S. W. Ho, M.D.
Chicago, IL
69. Epidemiology of Anterior Acromioplasty, 1980 to 2005
*Elizabeth M. Yu, M.D.
Rochester, MN
Akin Cil, M.D.
Rochester, MN
William S. Harmsen, M.S.
Rochester, MN
Cathy D. Schleck, B.S.
Rochester, MN
John W. Sperling, M.D.
Rochester, MN
Robert H. Cofield, M.D.
Rochester, MN
70. Prospective, Randomized Evaluation of the Safety of Arthroscopic and Open Rotator Cuff Repair with Acellular Human Dermal Matrix Augmentation versus No Augmentation
*Robert B. Litchfield, M.D.
London, Ontario, Canada
F. Alan Barber, M.D.
Plano, TX
Marc R. Labbe, M.D.
Houston, TX
Joseph P. Burns, M.D.
Van Nuys, CA
Peter B. MacDonald, M.D.
Winnipeg, Manitoba, Canada
Allen A. Deutsch, M.D.
Houston, TX
Darren Drosdewech, M.D.
London, Ontario, Canada
Delores Bentley, B.S.
Arlington, TN

Lunch on your own

1:00 p.m. - 3:00 p.m.
Multimedia Education

2:00 p.m. - 4:00 p.m.
Optional Tour: Nature Kayaking
(see page 46)

2:00 p.m.
Mid-America Tennis Tournament
(see page 47)

6:00 p.m. - 7:30 p.m.
Poster viewing — presenters will be available. CME credit will be offered. (Poster Area)

6:00 p.m. - 7:30 p.m.
Reception sponsored by the Exhibitors (Exhibit Area)

Dinner on your own

FRIDAY, APRIL 24, 2009

6:00 a.m. - 1:00 p.m.
Registration

6:30 a.m. - 8:00 a.m.
INSTRUCTIONAL COURSE I – Female Sports Injuries

Continental breakfast will be available.

Kimberly J. Templeton, M.D., Moderator
Kansas City, KS

6:30 a.m. - 8:00 a.m.

INSTRUCTIONAL COURSE II – Current Concepts in the Treatment of Upper Extremity Neuropathies

Continental breakfast will be available.

Andrew D. Markiewitz, M.D., Moderator
Cincinnati, OH

David G. Dennison, M.D.
Rochester, MN

Jeffrey N. Lawton, M.D.
Cleveland, OH

A select group of hand surgeons will discuss the operative and nonoperative treatment of nerve compression and nerve injury in the upper extremity. Surgical indications, options, and rehabilitation will be reviewed with attention to current techniques, tools, and advances. Complications and their management will be discussed.

Operative approaches will be highlighted with surgical pearls for the general orthopedic surgeon. Pertinent current research, both clinical and basic science, will be reviewed to keep the practicing surgeon up to date. The rehabilitation interventions to optimize recovery from splint options, motion techniques, and modalities available will be discussed.

Case examples will be used to keep the discussion frank and lively. Literature references and a compact summary of salient articles will be provided for home study.

7:30 a.m. - 12:30 p.m.
Exhibits/Posters Open (continental breakfast available from 7:30 a.m. - 9:00 a.m. in exhibit area)

SECOND PLENARY SESSION

8:00 a.m. - 10:30 a.m.

8:00 a.m. - 8:05 a.m.
Assemble/Announcements

8:05 a.m. - 8:35 a.m.
PRESIDENTIAL GUEST SPEAKER
“The Subacromial Space: The Shoulder’s Unique Anatomy Past, Present, and Future”
Louis U. Bigliani, M.D.
New York, NY

8:36 a.m. - 9:03 a.m.

71. PET (^{11}C) PK11195 Imaging of Implant Wear-Induced Periprosthetic Tissue Inflammation in a Rat Model
*Weiping Ren, Ph.D.
Detroit, MI
Otto Muzik, Ph.D.
Detroit, MI
Ralph B. Blasier, M.D.
Detroit, MI
David C. Markel, M.D.
Southfield, MI

72. Can This Prosthesis Be Saved? Implant Salvage Attempts in Infected Primary TKA
*Jeremy J. Gardner, M.D.
Minneapolis, MN
Terence J. Gioe, M.D.
Minneapolis, MN
Penny Tatman, MPH, MT (ASCP)
St. Paul, MN

73. Long-Term Outcomes of Proximal Row Carpectomy: Minimum 15-Year Follow-Up
*Mir H. Ali, M.D.
Rochester, MN
Steven L. Moran, M.D.
Rochester, MN
Alexander Y. Shin, M.D.
Rochester, MN

9:04 a.m. - 9:09 a.m.

Presentation of Mid-America Orthopaedic Association Physician in Training Award Winners

Edward D. Henderson Award
E. W. Johnson, Jr. Award
Carl L. Nelson Award
Dallas B. Phemister Award

9:10 a.m. - 9:37 a.m.

74. Edward D. Henderson, M.D. Award Presentation
75. E.W. Johnson, Jr., M.D. Award Presentation
76. Carl L. Nelson, M.D. Award Presentation
77. Dallas B. Phemister, M.D. Award Presentation

9:37 a.m. - 9:42 a.m.

Introduction of Recipients of Traveling Fellowship, Multipurpose Resident Grants, and Education Grants

9:43 a.m. - 9:48 a.m.

Traveling Fellowship Presentation

9:49 a.m. - 9:59 a.m.

OREF Presentation

10:00 a.m. - 10:30 a.m.

**CLASSICS IN ORTHOPAEDICS
"Kienbock's Disease: Past, Present, and Future"
David M. Lichtman, M.D.
Fort Worth, TX**

10:30 a.m. - 11:00 a.m.

Poster viewing — presenters will be available. CME credit will be offered. (Poster Area)

10:30 a.m. - 11:00 a.m.

Coffee Break in Exhibit Area

11:00 a.m. - 12:45 p.m.

Breakout Sessions #6, #7, #8, #9, and #10 to run concurrently

BREAKOUT SESSION #6 TOTAL HIP REPLACEMENT

11:00 a.m.-12:53 p.m., Friday, April 24, 2009

78. Second-Generation Cementless Total Hip Arthroplasty: Fifteen-Year Results.
*Mark L. Dumonski, M.D.
Chicago, IL
Craig J. Della Valle, M.D.
Chicago, IL
Joshua J. Jacobs, M.D.
Chicago, IL
Aaron G. Rosenberg, M.D.
Chicago, IL
Laura R. Quigley, M.D.
Chicago, IL
Jorge O. Galante, M.D.
Chicago, IL
79. Femoral Component Implantation Before the Neck Osteotomy Allows Accurate Leg Length and Offset Reconstruction
*William Kurtz, M.D.
Nashville, TN
80. A Prospective, Randomized Trial of Mini Posterior and Two-Incision Total Hip Arthroplasty
*Craig J. Della Valle, M.D.
Chicago, IL
Emily Dittle, R.N.
Chicago, IL
Scott M. Sporer, M.D.
Chicago, IL
Mario Moric, Ph.D.
Chicago, IL
Asokumar Buvanendran, M.D.
Chicago, IL
81. The Effect of Metal-Staining on Alumina-Alumina Wear in Total Hip Articulations
B. Sonny Bal, M.D.
Columbia, MO
*Michael S. Hughes, M.D.
Columbia, MO
Thomas J. Aleto, M.D.
Columbia, MO
Stephen Li, Ph.D.
Sarasota, FL
Mohamed N. Rahaman, Ph.D.
Rolla, MO
Aldo Toni, M.D.
Bologna, Italy
82. "Hip Squeaking" Biomechanics Study of Ceramic-on-Ceramic Bearing Surface
Christophe J. Chevallotte, M.D.
Lyon, France
*Robert T. Trousdale, M.D.
Rochester, MN
Qingshan Chen
Rochester, MN
Olivier Guyon, M.D.
Rochester, MN
Daniel J. Berry, M.D.
Rochester, MN
Kai-Nan An, Ph.D.
Rochester, MN
83. Is Mid-Term Follow-Up Surveillance of Total Hip Arthroplasty Patients Necessary?
John C. Clohisy, M.D.
St. Louis, MO
Amanda Schutz, Ph.D.
St. Louis, MO
Saju Rajan, B.S.
St. Louis, MO
Adewale Adeniran, B.S.
St. Louis, MO
Katie Marshall
St. Louis, MO
(Nader A. Nassif, M.D., St. Louis, MO to present)
84. Direct Anterior Approach for Total Hip Arthroplasty: A Single Surgeon's Early Experience
*Billy K. Parsley, M.D.
Springfield, IL
D. Gordon Allan, M.D.
Springfield, IL
Bradley W. Dyrstad, M.D.
Springfield, IL
Marty Wilson, B.S.
Springfield, IL
Kevin Dale, B.S.
Springfield, IL
85. Enhancement of the Mini-Posterior Approach for Total Hip Replacement
*Michael C. Moran, M.D.
Chicago, IL
Holly Zhang, P.A.
Chicago, IL

86. Complications Following Total Hip Arthroplasty in the Superobese, BMI >50
*David J. Polga, M.D.
Rochester, MN
Aaron J. Altenburg, M.D.
Pocatello, ID
Robert T. Trousdale, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
87. Objective Measurement of Hip Range of Motion in Total Hip Arthroplasty: Correlation with Patient Satisfaction and Functional Outcome
*Christophe J. Chevallotte, M.D.
Lyon, France
Robert T. Trousdale, M.D.
Rochester, MN
Mark W. Pagnano, M.D.
Rochester, MN
Rafael J. Sierra, M.D.
Rochester, MN
Kathie Bernhardt, B.S.
Rochester, MN
Kenton R. Kaufman, Ph.D.
Rochester, MN
88. Infection Rate After Early Reoperation in Total Hip Arthroplasty
*Hussein Darwiche, M.D.
Cleveland, OH
Wael K. Barsoum, M.D.
Cleveland, OH
Viktor E. Krebs, M.D.
Cleveland, OH
Robert Molloy, M.D.
Cleveland, OH
89. The True Incidence of Osteolysis in Conventional versus Highly Cross-Linked Polyethylene
Ryan M. Nunley, M.D.
St. Louis, MO
*Nathan A. Mall, M.D.
St. Louis, MO
Jinjun Zhy, M.D.
St. Louis, MO
William J. Maloney, M.D.
Palo Alto, CA
Robert L. Barrack, M.D.
St. Louis, MO
John C. Clohisy, M.D.
St. Louis, MO
90. Uncemented Total Hip Arthroplasty in Patients Less Than 20 Years of Age: A Retrospective Review
Michael J. Taunton, M.D.
Rochester, MN
*Louis S. Stryker, M.D.
Rochester, MN
Robert T. Trousdale, M.D.
Rochester, MN
91. Influence of Administration Setting on SF-36 Scores Following Primary Total Joint Arthroplasty
*Trevor G. Murray, M.D.
Cleveland, OH
Ho H. Lee, M.D.
Cleveland, OH
Alison K. Klika, M.S.
Cleveland, OH
Boris Bershadsky, M.D.
Cleveland, OH
Wael K. Barsoum, M.D.
Cleveland, OH

BREAKOUT SESSION #7

FOOT/ANKLE

11:00 a.m.-12:45 p.m., Friday, April 24, 2009

92. Expanding Indications of the Distal Chevron Osteotomy with a Lateral Release in Hallux Valgus
*Brian D. Kampmann, M.D.
Wichita, KS
Steven J. Howell, M.D.
Wichita, KS
Teresa L. Jones, MPH, MT (ASCP)
Wichita, KS
Mark D. McDaniel, M.D.
Wichita, KS
93. Bridge Plating for Fixation of Primarily Ligamentous Lisfranc Injuries
*Casey D. Johnston, M.D.
Omaha, NE
Mark Dietrich, M.D.
Omaha, NE
Kathleen M. Grier, M.D.
Omaha, NE
David J. Inda, M.D.
Omaha, NE
Timothy C. Fitzgibbons, M.D.
Omaha, NE
Scott T. McMullen, M.D.
Omaha, NE

94. Treatment of Syndesmoses Disruptions: Conventional Screw Fixation versus Tightrope Fiber Wire Fixation: A Prospective, Randomized Study
*J. Chris Coetzee, M.D.
Minneapolis, MN
Patrick B. Ebeling, M.D.
Minneapolis, MN
95. The Modified Oblique Keller Capsular Interposition Arthroplasty for Hallux Rigidus
*R. Brian Mackey, M.D.
St. Louis, MO
Brian Thomson, M.D.
St. Louis, MO
Ohyun Kwon, Ph.D.
St. Louis, MO
Michael J. Mueller, Ph.D.
St. Louis, MO
Jeffrey E. Johnson, M.D.
St. Louis, MO
96. The Use of a Patient Controlled Stretching Device to Improve the Ankle Joint Range of Motion
*Saul G. Trevino, M.D.
Columbia, MO
William L. Buford, Ph.D.
Galveston, TX
Santaram Vallurupalli, M.D.
Columbia, MO
Margaret Rowell, R.N.
Columbia, MO
Vinod K. Panchbhavi, M.D.
Galveston, TX
97. Scarf Osteotomy in the Management of Hallux Valgus: Our Experience with 75 Cases
Mr. Manjunath Ramappa
Middlesbrough, United Kingdom
Mr. Michael Maru
Middlesbrough, United Kingdom
Mr. Imtiyaz Talkani
Middlesbrough, United Kingdom
98. Results of 66 Consecutive Navicular Fractures
Marlon O. Coulibaly, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
*James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
99. Rate of Nonunion Following Talonavicular Arthrodesis with the Use of Modern Fixation Techniques
Srinivas Thati, M.S.
Grand Rapids, MI
*Chad B. Carlson, M.D.
Grand Rapids, MI
John G. Anderson, M.D.
Grand Rapids, MI
Donald R. Bohay, M.D.
Grand Rapids, MI
100. Results of 81 Consecutive Cuboid Fractures
*Marlon O. Coulibaly, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
101. Surgical Treatment of Plantar Fibromatosis
*Erica M. Burns, M.D.
Omaha, NE
David Minges, M.D.
Omaha, NE
Timothy C. Fitzgibbons, M.D.
Omaha, NE
Kathleen M. Grier, M.D.
Omaha, NE
David J. Inda, M.D.
Omaha, NE
Scott T. McMullen, M.D.
Omaha, NE
102. Procedural Competency Assessment with the Surgical Training and Assessment Tool (STAT) in Orthopedic Surgery Trainees
Tessa Balach, M.D.
Chicago, IL
Paul Roach, M.D.
Chicago, IL
Eugene Selkov, Jr., M.S.
Chicago, IL
Jonathan Silverstein, M.D.
Chicago, IL
Terrance D. Peabody, M.D.
Chicago, IL
(Presented by Jaime Rice, M.D., Chicago, IL)

*Denotes Speaker

103. Improvement in Musculoskeletal Function Following Bariatric Surgery
*Michael F. Iossi, M.D.
Dayton, OH
Emmanuel Konstantakos, M.D.
Dayton, OH
Donovan Teel, II, M.D.
Dayton, OH
Richard Sherwood, Ph.D.
Dayton, OH
Richard T. Laughlin, M.D.
Dayton, OH
Dana Duren, Ph.D.
Dayton, OH
104. Hand-Rubbing with Aqueous Alcohol Solution Following Traditional Surgical Hand-Scrubbing: A Comparison of Microbial Hand Counts
*Roger K. Owens, II, M.D.
Louisville, KY
Peter J. Buecker, M.D.
Louisville, KY
- BREAKOUT SESSION #8
TUMOR/BASIC SCIENCE
11:00 a.m.-12:45 p.m., Friday, April 24, 2009**
105. Sub-Iliacus Approach for Periacetabular Biopsy
Peter J. Buecker, M.D.
Louisville, KY
*David Chen, M.D.
Louisville, KY
106. Diagnosis of Intramuscular Hemangioma: MRI Is Not Enough
*Peter J. Buecker, M.D.
Louisville, KY
107. Porous Tantalum Acetabular Implants in Patients with Periacetabular Tumors Undergoing Total Hip Arthroplasty
*Fazel A. Khan, M.D.
Rochester, MN
Michiro Yanagisawa, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
Franklin H. Sim, M.D.
Rochester, MN
108. Massive Pigmented Villonodular Synovitis of the Knee
*Trevor R. Banka, M.D.
Detroit, MI
Michael P. Mott, M.D.
Detroit, MI
Theodore W. Parsons, M.D.
Detroit, MI
Theodore Mayer, M.D.
Detroit, MI
Marnix Van Holsbeeck, M.D.
Detroit, MI
Sandra Cottingham, M.D.
Grand Rapids, MI
109. Potential Use of Sox9-Transduced Mesenchymal Stem Cells in Articular Cartilage Repair
*Ross A. Kessler, B.S.
Chicago, IL
Sherwin S. W. Ho, M.D.
Chicago, IL
Tong-Chuan He, M.D.
Chicago, IL
110. Biomimetic Calcium Phosphate Coatings as Bone Morphogenetic Protein Delivery Systems in Spinal Fusion
*Michael D. Tseng, M.D.
Royal Oak, MI
Kamran Majid, M.D.
Royal Oak, MI
Kevin C. Baker, M.D.
Royal Oak, MI
Jeffrey S. Fischgrund, M.D.
Royal Oak, MI
Harry N. Herkowitz, M.D.
Royal Oak, MI
111. Advanced Bone Regeneration Using an Injectable $\text{CaSO}_4/\text{CaPO}_4$ -TCP Composite Compared to Autogenous Bone Graft Substitute in a Canine Model
*Robert M. Urban
Chicago, IL
Thomas M. Turner, Ph.D.
Chicago, IL
Deborah J. Hall, B.S.
Chicago, IL
Erica L. Dahlmeier, B.S.
Chicago, IL
Nozomu Inoue, M.D.
Chicago, IL
Steven Gitelis, M.D.
Chicago, IL

112. Metaphyseal Fracture Strength as a Better Measure of Bone Quality in Osteoporosis
Qian Xu, M.S.
Louisville, KY
*Michael J. Voor, Ph.D.
Louisville, KY
Kevyn Merten, Ph.D.
Louisville, KY
Kathleen Hamilton, B.S.
Louisville, KY
Sheena Duncan, M.S.
Louisville, KY
Kendra Stone, M.S.
Louisville, KY
Jeff Falcone, Ph.D.
Louisville, KY
William M. Pierce, Ph.D.
Louisville, KY
113. Epineurium Expresses VEGF Providing Scaffold for Angiogenesis
Krzysztof B. Siemionow, M.D.
Cleveland, OH
Aleksandra Klimczak, Ph.D.
Cleveland, OH
James Gatherwright, B.S.
Cleveland, OH
Maria Siemionow, M.D.
Cleveland, OH
114. A Prospective Functional and CT Analysis of a Calcium Sulfate/Calcium Phosphate Composite Graft in Proximal Tibial Fractures
William M. Ricci, M.D.
St. Louis, MO
J. Tracy Watson, M.D.
St. Louis, MO
Joseph Borrelli, M.D.
Dallas, TX
Robert Choplin, M.D.
Indianapolis, IN
Scott Persohn, LRTRCT
Indianapolis, IN
Timothy Weber, M.D.
Indianapolis, IN
*Michael J. Gardner, M.D.
St. Louis, MO
Rena White
Arlington, TN
115. A Novel Titanium Foam for Orthopedic Load-Bearing Applications
*David D. Waddell, M.D.
Shreveport, LA
Dirk Scholvin, M.S.
Arlington, TN
Richard Obert, M.S.
Arlington, TN
Jon Moseley, Ph.D.
Arlington, TN
Mike Carroll, B.S.
Arlington, TN
Robert M. Urban, B.A.
Arlington, TN
Thomas M. Turner, DVM
Arlington, TN
Debra J. Hall, B.S.
Arlington, TN
116. Implementation and Impact of a Medical Team Training Program in the Veterans Health Administration
*Brian T. Carney, M.D.
White River Junction, VT
Julia Neily, R.N.
White River Junction, VT
Peter D. Mills, Ph.D.
White River Junction, VT
117. Functional Outcomes Assessment of Patient Care as a Tool for Resident Education
*Marc F. Swiontkowski, M.D.
Minneapolis, MN
Julie Agel
Minneapolis, MN

BREAKOUT SESSION #9

JOINT REPLACEMENT

11:00 a.m.-12:45 p.m., Friday, April 24, 2009

118. Direct Exchange Endoprosthetic Reconstruction for Periprosthetic Infection with Segmental Bone Defects
Mr. Manjunath Ramappa
Middlesbrough, United Kingdom
Mr. Andrew Port
Middlesbrough, United Kingdom
Mr. Ian McMurtry
Middlesbrough, United Kingdom

119. Projection of the Cost of Implant Surveillance After Total Joint Arthroplasty in the United States
*Saju Rajan, B.S.
St. Louis, MO
Amanda Schutz, Ph.D.
St. Louis, MO
John C. Clohisy, M.D.
St. Louis, MO
120. Treatment of Acute Hematogenous Infection in Total Joint Arthroplasty
*Jeffrey K. Burns, M.D.
Chicago, IL
Beau Konigsberg, M.D.
Chicago, IL
Craig J. Della Valle, M.D.
Chicago, IL
Richard A. Berger, M.D.
Chicago, IL
Aaron G. Rosenberg, M.D.
Chicago, IL
121. Modular Endoprosthetic Reconstruction for Segmental Bone Defects in Non-Neoplastic Limb Salvage
Mr. Manjunath Ramappa
Middlesbrough, United Kingdom
Mr. Andrew Port
Middlesbrough, United Kingdom
Mr. Ian McMurtry
Middlesbrough, United Kingdom
122. Predicting Patient Discharge Disposition in the United States Following Total Joint Arthroplasty
*Sara Lyn Miniaci, B.S.
Cleveland, OH
Alison K. Klika, M.S.
Cleveland, OH
Trevor G. Murray, M.D.
Cleveland, OH
Brian Wells, M.D.
Cleveland, OH
Michael W. Kattan, M.D.
Cleveland, OH
Wael K. Barsoum, M.D.
Cleveland, OH
123. Inter- and Intra-Observer Variability of Preop Navigation – A Cadaveric Validation Study
*David K. DeBoer, M.D.
Nashville, TN
C. Lowry Barnes, M.D.
Little Rock, AR
J. David Blaha, M.D.
Ann Arbor, MI
Brad Pennenberg, M.D.
Nashville, TN
Richard Obert, B.S.
Nashville, TN
Paul Stemnenski, B.S.
Nashville, TN
124. Complications Associated with Early Anticoagulation in Total Joint Arthroplasty Patients Diagnosed with Venous Thromboembolic Disease
*Ryan W. Patterson, M.D.
Cleveland, OH
Nicholas Papakonstantinou, M.D.
Cleveland, OH
Mark I. Froimson, M.D.
Cleveland, OH
125. Novel Treatment of Failed Two-Stage Revision for Periprosthetic MRSA Sepsis
*Corey Montgomery, M.D.
Little Rock, AR
Richard P. Evans, M.D.
Little Rock, AR
126. Compression Strength and Porosity of Manufactured Single-Antibiotic Loaded Cement Vacuum-Mixed with Vancomycin
*Hugh S. Brock, M.D.
Kansas City, KS
Patrick G. Moodie, M.S.
Kansas City, KS
Jamey L. Iverson, B.S.
Kansas City, KS
Kelly J. Hendricks, M.D.
Kansas City, KS
Terence McIlff, M.D.
Kansas City, KS

127. Decreased Dislocation After Revision THA with Larger Femoral Head Size and Posterior Capsular Repair
*Arthur L. Malkani, M.D.
Louisville, KY
Matthew T. Hummel, M.D.
Louisville, KY
Madhusudhan R. Yakkanti, M.D.
Louisville, KY
Dale L. Baker
Louisville, KY
 128. Porous Tantalum Coated Modular Acetabular Cups (Tritanium) in Revision Arthroplasty: Early Experience
Mr. Manjunath Ramappa
Middlesbrough, United Kingdom
Mr. Ashwin Kulkarni
Middlesbrough, United Kingdom
Mr. Andrew Port
Middlesbrough, United Kingdom
 129. Acetabular Cup Malalignment After Total Hip Resurfacing Arthroplasty: A Case for Elective Revision?
*Matthew C. Mai, M.D.
Springfield, IL
Joseph C. Milbrandt, Ph.D.
Springfield, IL
D. Gordon Allan, M.D.
Springfield, IL
 130. Timing of Symptomatic Pulmonary Emboli Following Total Hip and Total Knee Arthroplasty
*Neel P. Jain, M.D.
Chicago, IL
S. David Stulberg, M.D.
Chicago, IL
Tracie Jacobsen, B.S.
Chicago, IL
- BREAKOUT SESSION #10
PEDIATRICS/EDUCATION
11:00 a.m.-12:45 p.m., Friday, April 24, 2009**
131. Effect of Direct Pars Repair in Adolescents with Spondylolysis on Adjacent Disk Morphology
*Brian D. Kleiber, M.D.
Omaha, NE
John W. McClellan, III, M.D.
Omaha, NE
 132. Analysis of 356 Consecutive Operative Pediatric Supracondylar Humeral Fractures
*Shelley M. Oliver, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
 133. The Use of the Reconstruction Plate in Tibial Osteotomies in Children
*Adam C. Schaaf, M.D.
Akron, OH
Dennis S. Weiner, M.D.
Akron, OH
Todd F. Ritzman, M.D.
Akron, OH
Melanie A. Morscher, B.S.
Akron, OH
 134. Results and Complications of Rigid Antegrade Nailing of Adolescent Femoral Diaphyseal Fractures
*John C. Tanner, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
 135. Glenohumeral Dysplasia Changes After Tendon Transfer Surgery in Children with Birth Brachial Plexus Injuries
Ann E. Van Heest, M.D.
Minneapolis, MN
*Colleen E. Glisson, M.D.
Minneapolis, MN
Hanley Ma, B.S.
Minneapolis, MN
 136. Traumatic Separation of the Distal Humeral Physis Sustained at Delivery
*Stig Jacobsen, M.D.
Marshfield, WI
Goran Hansson, M.D.
Gothenburg, Sweden
Johan Naathorst-Westgelt, M.D.
Gothenburg, Sweden

137. Ischial Spine Projection Reveals a High Rate of Acetabular Retroversion in Perthes Disease
*A. Noelle Larson, M.D.
Rochester, MN
Rafael J. Sierra, M.D.
Rochester, MN
Anthony A. Stans, M.D.
Rochester, MN
138. Unstable SCFE: A Systematic Review of Treatments and Results
Saju Rajan, B.S.
St. Louis, MO
Ira Zaltz, M.D.
Royal Oak, MI
Amanda Schutz, Ph.D.
St. Louis, MO
*John C. Clohisy, M.D.
St. Louis, MO
139. Novel Use of a Locking Plate for Femoral Osteotomy Fixation in Severe Coxa Vara Secondary to Fibrous Dysplasia in Pediatric Patients
Trevor R. Banka, M.D.
Detroit, MI
*Michael P. Mott, M.D.
Detroit, MI
James F. Mooney, M.D.
Charleston, SC
Theodore W. Parsons, M.D.
Detroit, MI
Marnix Van Holsbeeck, M.D.
Detroit, MI
140. Periacetabular Osteotomy Augmentation with Osteochondroplasty of the Femoral Head-Neck Junction
John C. Clohisy, M.D.
St. Louis, MO
Murat Pekmezci, M.D.
St. Louis, MO
*Nader A. Nassif, M.D.
St. Louis, MO
Eunice Selena, M.S.
St. Louis, MO
Perry L. Schoenecker, M.D.
St. Louis, MO
141. Do Men Outperform Women During Orthopedic Residency Training?
*Kate S. Pico, M.D.
Minneapolis, MN
Terence J. Gioe, M.D.
Minneapolis, MN
Ann Van Heest, M.D.
Minneapolis, MN
Penny Tatman, MPH, MT (ASCP)
St. Paul, MN
142. Impact of the 80-Hour Work Week on Surgical Exposure and National In-Training Exam Scores in an Orthopedic Residency Program
*John M. Froelich, M.D.
Springfield, IL
Joseph C. Milbrandt, Ph.D.
Springfield, IL
D. Gordon Allan, M.D.
Springfield, IL
143. Can the Resident Selection Process Predict Performance?
*Jacqueline A. Geissler, M.D.
Minneapolis, MN
Terence J. Gioe, M.D.
Minneapolis, MN
Ann Van Heest, M.D.
Minneapolis, MN
Penny Tatman, MPH, MT (ASCP)
St. Paul, MN

Lunch on your own

1:00 p.m. - 3:00 p.m.
Multimedia Education

1:30 p.m. - 5:30 p.m.
Optional Tour - Sailing Charter
(see page 46)

1:30 p.m.
Mid-America Golf Tournament
(see page 47)

6:30 p.m. - 10:00 p.m.
Reception/Dinner
Children's meal tickets are available for \$25/child (ages 3-12). Children's tickets may be purchased via the MAOA web site when registering for the meeting.

SATURDAY, APRIL 25, 2009

6:00 a.m. - 1:00 p.m.

Registration

6:30 a.m. - 8:00 a.m.

INSTRUCTIONAL COURSE III – Management of Elbow Injury in the Overhead Athlete

Continental breakfast will be available.

Henry T. Goitz, M.D., Moderator
Sterling Heights, MI

J. Antonio Bouffard, M.D.
Detroit, MI

Stephen E. Lemos, M.D., Ph.D.
Madison Heights, MI

This course is designed to provide the participant with a management algorithm of elbow injury in thrower's and racquet athletes from the high schooler to the baby booming weekend warrior. The integrated use of history, exam, and imaging will be outlined. Surgical indications and techniques will be provided. Preventative measures such as pitch count and technique will be discussed.

6:30 a.m. - 8:00 a.m.

INSTRUCTIONAL COURSE IV – Five Foot/Ankle Operations Every Resident Should Know

Continental breakfast will be available.

Richard T. Laughlin, M.D., Moderator
Dayton, OH

Donald R. Bohay, M.D.
Grand Rapids, MI

John G. Anderson, M.D.
Grand Rapids, MI

Timothy C. Fitzgibbons, M.D.
Omaha, NE

Osaretin B. Idusuyi, M.D.
Springfield, IL

All orthopedic surgeons encounter common disorders involving the foot and ankle. The purpose of this course is to review common pathology encountered in the foot and ankle and to provide surgical techniques and pearls to enhance the surgeon's practice at the conclusion of residency training.

The faculty will review anterolateral ankle stabilization, correction of the mild bunion and hammertoe deformity, first toe metatarsophalangeal fusion, acute repair of Achilles tendon rupture, and peroneal tendon disorders.

7:30 a.m. - 12:30 p.m.

Exhibits/Posters Open (continental breakfast available from 7:30 a.m. - 9:00 a.m. in exhibit area)

8:00 a.m. - 8:10 a.m.

Second Business Meeting
(MAOA Members Only)

THIRD PLENARY SESSION

8:10 a.m.-10:20 a.m., Saturday, April 25, 2009

8:10 a.m. - 8:15 a.m.

Assemble/Announcements

8:15 a.m. - 8:45 a.m.

RAPP LECTURER

**"The New Bearing Surfaces in Joint
Replacement: An Update on the Latest
Data from Around the World"**

**Daniel J. Berry, M.D.
Rochester, MN**

8:46 a.m. - 9:50 a.m.

144. Use of the Reamer-Irrigator-Aspirator for Bone Graft Harvest: A Mechanical Comparison of Three Starting Points in Cadaveric Femurs

*Ryan P. Finnan, M.D.
Dayton, OH

Michael J. Prayson, M.D.
Dayton, OH

Tarun Goswami, Ph.D.
Dayton, OH

Danielle Miller
Dayton, OH

145. Adenoviral Bone Morphogenetic Protein (BMP) Induced Osteogenic Differentiation of In Vitro C3H10T1/2 Mesenchymal Stem Cells
*Ahmed A. Chaudhary
Chicago, IL
R. Southgate
Chicago, IL
Hanli Fan
Chicago, IL
Wen-Xin Song, M.D.
Chicago, IL
Anthony G. Montag, M.D.
Chicago, IL
Rex Haydon, M.D.
Chicago, IL
David W. Manning, M.D.
Chicago, IL
Ton-Chuan He, M.D.
Chicago, IL
146. Temporal and Spatial Relationships of Collagen I and II After Direct Midsubstance Tendon Injury
*R. Michael Greiwe, M.D.
Cincinnati, OH
Christopher Frede
Cincinnati, OH
Kumar Chokalingham
Cincinnati, OH
Dave Butler, Ph.D.
Cincinnati, OH
Keith Kenter, M.D.
Cincinnati, OH
147. Biomechanical Comparison of Distal Locking Screws for Distal Tibia Fracture Intramedullary Nailing
*Brennan L. Lucas, M.D.
Wichita, KS
Bruce R. Buhr, M.D.
Wichita, KS
Alexander C. M. Chong, MSAE, MSME
Wichita, KS
Paul H. Wooley, Ph.D.
Wichita, KS
148. Manufacturer Recall of Total Joint Components: The Joint Registry Process
*Kristofer A. Kimber, M.D.
Minneapolis, MN
Jonathan H. Biebl, M.D.
St. Paul, MN
Terence J. Gioe, M.D.
Minneapolis, MN
Penny Tatman, MPH, MT (ASCP)
St. Paul, MN
Kathleen Killeen, B.S.
St. Paul, MN
149. Retrospective Review of Tibiofibular Fusions as a Salvage Procedure for Chronic Syndesmotic Injuries
*Gregory H. Dairyko, M.D.
Chicago, IL
Kirstina M. Olson, M.D.
Chicago, IL
Brian C. Toolan, M.D.
Chicago, IL
150. Anti-Interleukin 8 Therapy Inhibits Tumor-Induced Osteolysis and Tumor Progression
*Corey Montgomery, M.D.
Little Rock, AR
Larry Suva, Ph.D.
Little Rock, AR
Richard W. Nicholas, Jr., M.D.
Little Rock, AR
Dana Gaddy, Ph.D.
Little Rock, AR
151. ORIF versus Partial Patellectomy for Acute Fractures of the Patella: Effects on Knee Extensor Torque Output and Gait Mechanics
*Michael T. Archdeacon, M.D.
Cincinnati, OH
Taylor Aronhalt, M.S.
Cincinnati, OH
Samuel C. Wordeman, B.S.
Cincinnati, OH
Timothy Hewett, Ph.D.
Cincinnati, OH

9:50 a.m. - 10:20 a.m.

CLASSICS IN ORTHOPAEDICS

"The Subtle Cavus Foot"

Arthur Manoli, II, M.D.

Pontiac, MI

10:20 a.m. - 11:00 a.m.

Coffee Break in Exhibit Area

11:00 a.m. - 12:45 p.m.

Breakout Sessions #11, #12, #13, #14, and #15 to run concurrently

BREAKOUT SESSION #11

TOTAL KNEE REPLACEMENT

11:00 a.m.-12:45 p.m., Saturday, April 25, 2009

152. Total Knee Replacement for Osteoarthritis in Patients 55 Years of Age and Under: Are We Doing as Well with Modular Components?

*Andrew Odland, B.S.

Iowa City, IA

John J. Callaghan, M.D.

Iowa City, IA

Steve S. Liu, M.D.

Iowa City, IA

153. Patient Reported Knee Society Scales and Radiographs Alone Predict Failure of Total Knee Arthroplasty

*Patrick M. Morgan, M.D.

Minneapolis, MN

David Hightower, B.S.

Minneapolis, MN

Terence J. Gioe, M.D.

Minneapolis, MN

154. Hybrid Stem Fixation in Revision Total Knee Arthroplasty: Results at Average Five-Year Follow-Up

*Alexander Sah, M.D.

Chicago, IL

Craig J. Della Valle, M.D.

Chicago, IL

Richard A. Berger, M.D.

Chicago, IL

Aaron G. Rosenberg, M.D.

Chicago, IL

155. Gender, Age, and BMI Predict Severe Functional Limitation Two- and Five-Years Post-TKA

Jasvinder A. Singh, M.D.

Minneapolis, MN

Megan O'Byrne, M.D.

Rochester, MN

*David G. Lewallen, M.D.

Rochester, MN

156. The Impact of Topical Thrombin-JMI on Loss of Hemoglobin in Total Knee Arthroplasty: Consecutive Case Series with a Single Surgeon

Phillip J. Lewandowski, M.D.

Akron, OH

*Ian M. Gradisar, M.D.

Akron, OH

Leann M. Speering, M.S.

Akron, OH

Michael J. Askew, Ph.D.

Akron, OH

David R. DiNuoscio, B.S.

Rootstown, OH

157. Revision Total Knee Arthroplasty with Uncemented Modular Fluted Stems

*Arthur L. Malkani, M.D.

Louisville, KY

Michael A. Masini, M.D.

Ann Arbor, MI

Madhusudhan R. Yakkanti, M.D.

Louisville, KY

Dale Baker

Louisville, KY

158. Evaluation of the Effect of Cement Viscosity on Cement Mantle in Total Knee Arthroplasty

*D. Gordon Allan, M.D.

Springfield, IL

Brian S. Kern, M.D.

Springfield, IL

Manish Paliwal, M.D.

Ewing, NJ

Joseph C. Milbrandt, Ph.D.

Springfield, IL

159. Kinematic Comparison of Normal and Replaced Knees in an Open-Chain Isometric Extension Model
*C. Lowry Barnes, M.D.
Little Rock, AR
J. David Blaha, M.D.
Ann Arbor, MI
David K. DeBoer, M.D.
Nashville, TN
Richard Obert, M.S.
Arlington, TN
Paul Sternniski, M.S.
Arlington, TN
Michael Carroll, B.S.
Arlington, TN
160. Psychological Factors – Affecting Outcomes After Primary TKA
*Jasvinder A. Singh, M.D.
Minneapolis, MN
Robert C. Colligan, M.D.
Rochester, MN
Megan O'Byrne, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
161. Short-Term Mechanical and Subjective Outcomes of Total Knee Arthroplasty
*Craig R. Mahoney, M.D.
West Des Moines, IA
Vassilios Vardaxis, Ph.D.
Des Moines, IA
David McEowen
Des Moines, IA
Jake Stotts
Des Moines, IA
162. Does Participation in Non-Recommended Sports Impact Total Knee Arthroplasty Durability?
*Sebastien Paratte, M.D.
Marseille, France
Diane L. Dahm, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN
Mark W. Pagnano, M.D.
Rochester, MN
Daniel J. Berry, M.D.
Rochester, MN
163. Patellofemoral Arthroplasty versus Total Knee Arthroplasty for Isolated Patellofemoral Osteoarthritis
*Diane L. Dahm, M.D.
Rochester, MN
Walid Al-Rayashi, B.S.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Bruce A. Levy, M.D.
Rochester, MN
164. Accurate Intraoperative Assessment of Knee Deformity is a Useful Predictor of Postoperative Outcome
*Ritesh R. Shah, M.D.
Chicago, IL
S. David Stulberg, M.D.
Chicago, IL
Mark A. Yaffe, M.D.
Chicago, IL
Susan B. Gall, B.S.
Chicago, IL
Nicholas Palmese, M.S.
Chicago, IL

BREAK-OUT SESSION #12

SHOULDER/ELBOW

11:00 a.m.-12:41 p.m., Saturday, April 25, 2009

165. The Effect of Instrument Size on Rotator Cuff Stitch Strength
Brent A. Ponce, M.D.
Birmingham, AL
*Chad D. Hosemann, III, M.D.
Birmingham, AL
Parthasarathy Raghava, M.S.
Birmingham, AL
Alan W. Eberhardt, Ph.D.
Birmingham, AL
166. Scapula Fractures in Reverse Total Shoulder Arthroplasty
Lynn A. Crosby, M.D.
Dayton, OH
*J. Adam Hamilton, M.D.
Dayton, OH

167. Two-Incision versus One-Incision Repair for Distal Biceps Tendon Rupture: A Cadaveric Study of Footprint Reconstruction
*Syed A. Hasan, M.D.
Little Rock, AR
Carl L. Cordell, M.D.
Little Rock, AR
William R. Hogue, B.S.
Little Rock, AR
Russell B. Rauls, M.D.
Little Rock, AR
168. Functional Outcomes and Radiographic Appearance of Single versus Double Row Rotator Cuff Repair
William T. Pennington, M.D.
Milwaukee, WI
*David A. Gibbons, M.D.
Milwaukee, WI
Brian A. Bartz, P.A.
Milwaukee, WI
Jonathon Klinger, B.S.
Milwaukee, WI
169. Shoulder Arthroplasty in Morbidly Obese Patients
*Christopher J. Linberg, M.D.
MacDill AFB, FL
John W. Sperling, M.D.
Rochester, MN
Cathy D. Schleck, B.S.
Rochester, MN
Robert H. Cofield, M.D.
Rochester, MN
170. Mini-Open Rotator Cuff Tear Repair without Acromioplasty in Patients 65 and Older Works Too
*Michael J. Carlson, M.D.
Omaha, NE
Junfeng Sun, Ph.D.
Omaha, NE
Erica M. Burns, M.D.
Omaha, NE
Jonathon Cotton, M.D.
Omaha, NE
Edward V. Fehringer, M.D.
Omaha, NE
171. Clinical Outcomes of Shoulder Patients with Greater Tuberosity Cysts on MRI
Michael A. Herbenick, M.D.
Dayton, OH
*Brandi Hartley, B.S.
Dayton, OH
Lynn A. Crosby, M.D.
Dayton, OH
172. A Biomechanical Comparison of Three Double-Row Rotator Cuff Repair Techniques
*Samuel S. Koo, M.D.
San Antonio, TX
Todd Moen, M.D.
Chicago, IL
Gordon W. Nuber, M.D.
Chicago, IL
Jason L. Koh, M.D.
Chicago, IL
173. Integrity and Strength of the Subscapularis After Total Shoulder Arthroplasty
*Jeffrey D. Jackson, M.D.
Rochester, MN
Scott P. Steinmann, M.D.
Rochester, MN
Akin Cil, M.D.
Rochester, MN
Sheri Merten, M.D.
Rochester, MN
174. Incidence of Symptomatic Opus Anchor Failure in Mini-Open Rotator Cuff Repairs
*Michael A. Herbenick, M.D.
Dayton, OH
Jonathan Chae, B.S.
Dayton, OH
Lynn A. Crosby, M.D.
Dayton, OH
175. Comparison of Open versus Percutaneous Plating of Proximal Humerus Fractures
B. Matthew Hicks, M.D.
Fort Wayne, IN
Justin P. Colanese, M.D.
Fort Wayne, IN
*Jeffrey S. Staron, M.D.
Fort Wayne, IN

176. Safety Attitudes of Surgical Teams Are Associated with Gender and Profession
*Brian T. Carney, M.D.
White River Junction, VT
Julia Neily, R.N.
White River Junction, VT
Peter D. Mills, Ph.D.
White River Junction, VT
177. Clinical Presentation of Patients with Symptomatic Anterior Hip Impingement
*John C. Clohisy, M.D.
St. Louis, MO
Evan R. Knaus, D.O.
St. Louis, MO
Devyani M. Hunt, M.D.
St. Louis, MO
Gail E. Pashos, MPH, MT (ASCP)
St. Louis, MO
Marcie Harris-Hayes
St. Louis, MO
Heidi Prather, D.O.
St. Louis, MO
178. Results of Hip Arthroplasty in Patients that Sustain Iatrogenic Punctures of the Labrum
*John S. Badylak, M.D.
Madison, WI
James S. Keene, M.D.
Madison, WI
179. Nerve Injury After Periacetabular Osteotomy (PAO): A Multicenter Study
*Rafael J. Sierra, M.D.
Rochester, MN
John C. Clohisy, M.D.
St. Louis, MO
Paul Beale, M.D.
Ottawa, Ontario, Canada
Perry L. Schoenecker, M.D.
St. Louis, MO
Young-Jo Kim, M.D.
Boston, MA
Robert T. Trousdale, M.D.
Rochester, MN
180. Osteoarthritis Associated with Femoroacetabular Impingement – Nonsurgical Treatment Reduces Pain and Improves Function
*Hany El-Rashidy, M.D.
Chicago, IL
Victoria Brander, M.D.
Chicago, IL
Mahesh Polavarapu, B.S.
Chicago, IL
Angela Adams, B.S.
Chicago, IL
Michelle Chambers, B.S.
Chicago, IL
S. David Stulberg, M.D.
Chicago, IL
181. Results of Hip Arthroplasty and Labral Debridement in Patients with Femoroacetabular Impingement
*Matthew J. White, M.D.
Madison, WI
James J. McCarthy, M.D.
Madison, WI
James S. Keene, M.D.
Madison, WI
Mark E. Flannum, M.D.
Madison, WI
182. Results of Hip Arthroscopy in Patients with Gluteus Medius Tendon Tears
*David M. Marcu, M.D.
Madison, WI
James S. Keene, M.D.
Madison, WI
Donna G. Blankenbaker, M.D.
Madison, WI
Arthur A. DeSmet, M.D.
Madison, WI
183. Osseous Remodeling After Femoral Head-Neck Junction Osteochondroplasty for Hip Impingement Disorders
Murat Pekmezci, M.D.
St. Louis, MO
*Nader A. Nassif, M.D.
St. Louis, MO
Gail Pashos, B.S.
St. Louis, MO
Perry L. Schoenecker, M.D.
St. Louis, MO
John C. Clohisy, M.D.
St. Louis, MO

184. Multi-Center Study for Incidence of DVT and Pulmonary Embolism After Periacetabular Osteotomy
John C. Clohisy, M.D.
St. Louis, MO
Perry L. Schoenecker, M.D.
St. Louis, MO
*Rafael J. Sierra, M.D.
Rochester, MN
Robert T. Trousdale, M.D.
Rochester, MN
Paul Beaulé, M.D.
Ottawa, Ontario, Canada
Young-Jo Kim, M.D.
Boston, MA
Michael Millis, M.D.
Boston, MA
185. Periacetabular Osteotomy for the Treatment of Acetabular Dysplasia: A Systematic Review of the Literature
*John C. Clohisy, M.D.
St. Louis, MO
Amanda J. Schutz, Ph.D.
St. Louis, MO
Lauren St. John, B.S.
St. Louis, MO
Perry L. Schoenecker, M.D.
St. Louis, MO
Rick W. Wright, M.D.
St. Louis, MO
186. Total Hip Arthroplasty After Periacetabular Osteotomy: A Multi-Center Retrospective Review
*Michael J. Taunton, M.D.
Rochester, MN
Louis Stryker, M.D.
Rochester, MN
Rafael J. Sierra, M.D.
Rochester, MN
John C. Clohisy, M.D.
St. Louis, MO
Michael Millis, M.D.
Boston, MA
Young-Jo Kim, M.D.
Boston, MA
Robert T. Trousdale, M.D.
Rochester, MN
187. Single Surgeon Learning Curve for Total Hip Resurfacing
*Ryan M. Nunley, M.D.
St. Louis, MO
Jinjun Zhu, M.D.
St. Louis, MO
Robert L. Barrack, M.D.
St. Louis, MO
188. Four- to Six-Year Follow-Up of Primary Total Hip Arthroplasty Using a Contemporary Titanium Tapered Stem
*David Hennessy, B.S.
Iowa City, IA
John J. Callaghan, M.D.
Iowa City, IA
Peter Bracha, B.S.
Iowa City, IA
Steve S. Liu, M.D.
Iowa City, IA
Devon D. Goetz, M.D.
West Des Moines, IA
189. Posterior Column Plating and an Uncemented Cup for Pelvic Discontinuity in Revision THA
*Harold W. Rees, M.D.
Oak Park, IL
Daniel J. Berry, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN

BREAK-OUT SESSION #14 SPORTS

11:00 a.m.-12:45 p.m., Saturday, April 25, 2009

190. Repair versus Reconstruction of Posteromedial and Posterolateral Corners in the Multiligament Injured Knee
*Bruce A. Levy, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
Diego A. Herrera, M.D.
Rochester, MN
Peter B. MacDonald, M.D.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN

191. Effect of ACL Reconstruction and Meniscectomy on Length of Career in National Football League Athletes: A Case Control Study
*Corey S. Gill, M.D.
St. Louis, MO
Stephen Lyman, Ph.D.
New York, NY
Ronnie P. Barnes, M.D.
New York, NY
Scott A. Rodeo, M.D.
New York, NY
Russell F. Warren, M.D.
New York, NY
Robert H. Brophy, M.D.
St. Louis, MO
192. Outcome Analysis of Arthroscopic Posterior Labral Repair in Athletes
*Mark J. Sytsma, M.D.
Milwaukee, WI
William T. Pennington, M.D.
Milwaukee, WI
Brian A. Bartz, P.A.
Milwaukee, WI
Jonathan Klinger, B.S.
Milwaukee, WI
193. Outcomes of ACL Reconstruction with Concomitant Inflammatory Arthritis
*Nicholas L. Strasser, M.D.
Rochester, MN
Jay P. Shah, B.S.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Bruce A. Levy, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
194. Arthroscopic Repair of Meniscal Tears with Concomitant ACL Reconstruction in Patients 18 Years and Younger
*Ryan T. Pitts, M.D.
Rochester, MN
Jay P. Shah, B.S.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Aaron J. Krych, M.D.
Rochester, MN
Bruce A. Levy, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
195. Can Surgeons Predict Outcome Following Meniscectomy?
*Elizabeth R. Cohen, B.S.
Iowa City, IA
John P. Albright, M.D.
Iowa City, IA
Jingzhen Yang, Ph.D.
Iowa City, IA
Annunziato S. Amendola, M.D.
Iowa City, IA
Brian R. Wolf, M.D.
Iowa City, IA
196. A Biomechanical Evaluation of a Novel, Self-Cinching Stitch for Shoulder Arthroscopy, the Lasso-Loop Stitch
*Brent A. Ponce, M.D.
Birmingham, AL
Chad D. Hosemann, III, M.D.
Birmingham, AL
Parthasarathy Raghava, M.S.
Birmingham, AL
John M. Tokish, M.D.
Colorado Springs, CO
Alan W. Eberhardt, Ph.D.
Birmingham, AL
Laurent Lafosse, M.D.
Annecy, France

197. Contact Pressure Properties of Osteochondral Defects of the Knee: The Effect of Non-Vertical Walls
Katherine J. Coyner, M.D.
Royal Oak, MI
Scott Ensminger, B.S.
Royal Oak, MI
*Sean Matuszak, M.D.
Royal Oak, MI
Jacob Miller, B.S.
Royal Oak, MI
Adam Steinman, B.S.
Royal Oak, MI
Joseph H. Guettler, M.D.
Royal Oak, MI
Kenneth A. Jurist, M.D.
Royal Oak, MI
198. ACL Tibial Spine Avulsion Treatment and Outcomes
*Darlene M. Guse, B.S.
Rochester, MN
Jay P. Shah, B. S.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Bruce A. Levy, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
199. Outcomes Following Medial Patellofemoral Ligament Reconstruction with Hamstrings Allograft for Patella Instability
*Ryan M. Arnold, M.D.
Omaha, NE
David E. Brown, M.D.
Omaha, NE
200. A Study In Vivo of the Effects of a Static Compressive Load on the Proximal Tibial Physis in Rabbits
*Andrew Bries, M.D.
Akron, OH
Dennis S. Weiner, M.D.
Akron, OH
Mark J. Adamczyk, M.D.
Akron, OH
Michael J. Askew, Ph.D.
Akron, OH
Walter Horton, Jr., Ph.D.
Rootstown, OH
William Landis, Ph.D.
Rootstown, OH
201. Single Soft Tissue Graft Reconstruction of the Fibular Collateral Ligament and Posterolateral Corner
Bruce A. Levy, M.D.
Rochester, MN
*Steve J. Schechinger, M.D.
Minneapolis, MN
Khaled A. Dajani, M.D.
Rochester, MN
Diego A. Herrera, M.D.
Rochester, MN
Robert G. Marx, M.D.
New York, NY
202. Gapping of Meniscus Tears Sutured at Multiple Spacing Increments: A Bovine Cadaveric Model
*Timothy L. Miller, M.D.
Columbus, OH
David C. Flanigan, M.D.
Columbus, OH
Joshua Harris, M.D.
Columbus, OH
Justin Hepker, B.S.
Columbus, OH
Erin Hutter, M.S.
Columbus, OH
Robert Siston, Ph.D.
Columbus, OH

BREAK-OUT SESSION #15

TRAUMA

11:00 a.m.-12:45 p.m., Saturday, April 25, 2009

203. Unicortical Locking Screws Provide Comparable Rigidity to Standard Screws in Clavicle Fixation
*Curtis W. Hartman, M.D.
Omaha, NE
Hani Haider, Ph.D.
Omaha, NE
Nicholas C. Branting, B.S.
Omaha, NE
Matthew A. Mormino, M.D.
Omaha, NE
Edward V. Fehringer, M.D.
Omaha, NE
204. Locked Intramedullary Nailing of Two-Part Surgical Neck Proximal Humeral Fractures
Armodios M. Hatzidakis, M.D.
Denver, CO
Robert J. Nowinski, D.O.
Newark, OH
Duane Fenton, P.A.
Denver, CO
*Michael J. Shevlin, M.D.
Omaha, NE
Edward V. Fehringer, M.D.
Omaha, NE
205. Complications of Acute Mid-Shaft Clavicle Fractures Stabilized with a Rockwood Intramedullary Clavicle Pin
Christopher D. Mudd, M.D.
St. Louis, MO
*Kevin Quigley, M.D.
St. Louis, MO
Lyndon B. Gross, M.D.
Chesterfield, MO
206. Antibiotic Nail Placement for Infected Unstable Long Bone Nonunions
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Matthew R. Karek, B.S.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI
*Terrence J. Endres, M.D.
Grand Rapids, MI
207. Duration of Antibiotic Prophylaxis and Clinical Outcome in Patients Following Major Orthopedic Trauma
Clifford B. Jones, M.D.
Grand Rapids, MI
*Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Benjamin C. Mgboh
Grand Rapids, MI
Karen J. McAllen
Grand Rapids, MI
Wayne E. Vander Kolk, M.D.
Grand Rapids, MI
Jeffrey F. Barletta, M.D.
Grand Rapids, MI
208. Evaluation of Popliteal Artery Injury with Locked Lateral Plating of the Tibial Plateau
*Michael S. Dee, M.D.
Omaha, NE
John Sojka, M.D.
Kansas City, KS
Miguel Daccarett, M.D.
Omaha, NE
Matthew A. Mormino, M.D.
Omaha, NE
209. Dislocation After Total Hip Arthroplasty Performed for Displaced Femoral Neck Fracture
Abraham J. Cass
Rochester, MN
*Joseph R. Cass, M.D.
Rochester, MN
Bernard F. Morrey, M.D.
Rochester, MN
210. Baseball Bat Orthopedic Related Trauma: Outcomes Analysis
*Pablo R. Pazmino, M.D.
Los Angeles, CA
Brian G. Larkin, M.D.
Detroit, MI
J. Tracy Watson, M.D.
St. Louis, MO
Djolbas Kuldjanov, M.D.
St. Louis, MO

*Denotes Speaker

211. Planned Delayed Transfer of Complex Pelvic/Acetabular Fractures from a Level III to a Level I Trauma Center
Michael T. Archdeacon, M.D.
Cincinnati, OH
Anthony Borzotta, M.D.
Cincinnati, OH
John D. Wyrick, M.D.
Cincinnati, OH
Jay Johannigman, M.D.
Cincinnati, OH
*T. Toan Le, M.D.
Cincinnati, OH

212. "Relaxation" of the Symphyseal Hardware: Loss of Fixation After Plating of the Anterior Pelvis is More Common Than You Think
Michael T. Archdeacon, M.D.
Cincinnati, OH
Cory A. Collinge, M.D.
Fort Worth, TX
*Elizabeth Dulaney-Cripe, B.S.
Cincinnati, OH

213. Comparison of Two Skin Closure Techniques in Acetabular Fracture Patients: Preliminary Results of a Prospective, Randomized Trial
*Christopher D. Mudd, M.D.
St. Louis, MO
Berton R. Moed, M.D.
St. Louis, MO

214. Hybrid Plate Fixation for Both Bone Forearm Fractures
*Nikola M. Dobrasevic, M.D.
Grand Rapids, MI
Clifford B. Jones, M.D.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
James R. Ringler, M.D.
Grand Rapids, MI

215. Orthopedic Trauma Service Utilization – Is There More Than What Meets the Eye?

*Mr. Ulfen Rethnam
Rhyl, United Kingdom
Rajam Yesupalan
Rhyl, United Kingdom
Mr. Nigel Clay
Rhyl, United Kingdom

Lunch on your own

12:45 p.m.
Board of Directors' Meeting

1:00 p.m. - 3:00 p.m.
Multimedia Education

Dinner on your own

SUNDAY, APRIL 26, 2009

Departure

POSTER PRESENTATIONS

The following posters will be displayed in the Amelia Foyer from 7:30 a.m. to 12:30 p.m. on Thursday, Friday, and Saturday, as well as on Thursday evening from 6:00 p.m. - 7:30 p.m. during the Exhibitors' Reception.

The poster presenters will be available on Thursday evening during the Exhibitors' Reception (6:00 p.m. - 7:30 p.m.) and on Friday morning during the coffee break (10:30 a.m. - 11:00 a.m.) to answer any questions. CME Category 1 credit hours can be earned for poster viewing only during the times mentioned above when the presenters are present at their posters.

Trauma

1. The Correlation of Measurable Serum Markers of Inflammation with Lung Levels Following Orthopedic Trauma
*Benjamin W. Sears, M.D.
Maywood, IL
Michael D. Stover, M.D.
Maywood, IL
Kristen Lauing, B.S.
Maywood, IL
Ryan Himes, B.S.
Maywood, IL
Michelle Morgan, B.S.
Maywood, IL
Elizabeth Favre, B.S.
Maywood, IL
John J. Callaci, Ph.D.
Maywood, IL
2. The Influence of Alcohol Binge on Serum and Lung Markers of the Immuno-Inflammatory Response Following Orthopedic Trauma
*Benjamin W. Sears, M.D.
Maywood, IL
Michael D. Stover, M.D.
Maywood, IL
Kristen Lauing, B.S.
Maywood, IL
Ryan Himes, B.S.
Maywood, IL
Michelle Morgan, B.S.
Maywood, IL
Elizabeth Favre, B.S.
Maywood, IL
John J. Callaci, Ph.D.
Maywood, IL

Spine

3. The Effect of Malreduction on the Strength of Iliosacral Screw Fixation in Transforaminal Sacral Fractures
*Jason P. Young, M.D.
Maywood, IL
Michael D. Stover, M.D.
Maywood, IL
Mark C. Reilly, M.D.
Newark, NJ
Avinash Patwardhan, Ph.D.
Maywood, IL
Robert Havey, B.S.
Maywood, IL
Braden McIntosh, B.S.
Maywood, IL

Miscellaneous

4. Effect of Acetaminophen, Ibuprofen, and Celecoxib on Human Chondrocyte Production of Matrix Metalloproteinase-1
Mihir Patel, M.D.
Selden, NY
*Philip J. Lahey, M.D.
Brooklyn, NY
Ashish Patel, M.D.
Brooklyn, NY
Theresa Jacob, M.D.
Brooklyn, NY
Jack Choueka, M.D.
Brooklyn, NY

5. Medical Tourism: A Competitive Reality?

Junaid Makda, M.D.
Philadelphia, PA
*Khalid M. Yousuf, M.D.
Oklahoma City, OK
Kenneth Kearns, M.D.
Philadelphia, PA
Hasan Kakli, B.S.
Philadelphia, PA
Javad Parvizi, M.D.
Philadelphia, PA

6. Short Musculoskeletal Function
Assessment: Defining Reference Values

*Jessica C. McMichael, M.D.
St. Louis, MO
Berton R. Moed, M.D.
St. Louis, MO

7. The Effects of Screw Orientation in
Osteoporotic Bone; a Comparison with
Locked Plating

*Scott W. Zehnder, M.D.
St. Louis, MO
Aki S. Puryear, M.D.
St. Louis, MO
J. Gary Bledsoe, M.D.
St. Louis, MO

8. Injury Patterns of Couples in Motorcycle
Collisions: Who Takes the Hit?

Joshua M. Murphy, M.D.
Louisville, KY
Jacob M. Lantry, M.D.
Louisville, KY
*Craig S. Roberts, M.D.
Louisville, KY
Mr. John A. Nyland
Louisville, KY

9. Mouthguard Utilization Among Minor Ice
Hockey Players

*Ferhang Raaij, M.D.
Southfield, MI
Rahul Vaidya, M.D.
Detroit, MI
David C. Markel, M.D.
Southfield, MI

Hip

10. Factors Affecting Bony Impingement in
Total Hip Arthroplasty

*William Kurtz, M.D.
Nashville, TN
Stephen Murphy, M.D.
Boston, MA

11. Early Experience with a Novel Non-
Metallic Cable in Primary and Revision
Total Hip Arthroplasty

*Nicholas Ting, B.S.
Chicago, IL
Glenn D. Wera, M.D.
Chicago, IL
Craig J. Della Valle, M.D.
Chicago, IL

12. Late Salvage of Failed Open Reduction
and Internal Fixation of Posterior Wall
Fractures of the Acetabulum

Berton R. Moed, M.D.
St. Louis, MO
*D. Brian Dean, M.D.
St. Louis, MO

13. Revision of Hip Resurfacing Arthroplasty

Robert J. Gillespie, M.D.
Cleveland, OH
*Glenn D. Wera, M.D.
Chicago, IL
Mr. Carter Petty
Boston, MA
Matthew J. Kraay, M.D.
Cleveland, OH
William J. Petersilge, M.D.
Cleveland, OH
Victor M. Goldberg, M.D.
Cleveland, OH

14. Revision THA Using a Modular Femoral
Implant in Paprosky Type III and IV
Femoral Bone Loss

*Arthur L. Malkani, M.D.
Louisville, KY
Frederick F. Jaffe, M.D.
New York, NY
Kirby Hitt, M.D.
Temple, TX
John R. Schurman, II, M.D.
Wichita, KS

15. The Learning Curve for Adopting Total Hip Resurfacing Among Hip Specialists
*Ryan M. Nunley, M.D.
St. Louis, MO
C. Andy Engh, M.D.
Alexandria, VA
Peter J. Brooks, M.D.
Cleveland, OH
John Rogerson, M.D.
Madison, WI
Stephen J. Raterman, M.D.
Tampa, FL
Robert L. Barrack, M.D.
St. Louis, MO
16. Iliopsoas Tendonitis Following Total Hip Arthroplasty Treated with Selective Steroid Injections
*Ryan M. Nunley, M.D.
St. Louis, MO
Joyce P. Wilson, M.D.
St. Louis, MO
Louis Gilula, M.D.
St. Louis, MO
William J. Maloney, M.D.
Palo Alto, CA
John C. Clohisy, M.D.
St. Louis, MO
Robert L. Barrack, M.D.
St. Louis, MO
17. Pain and Function with Mini-Incision Total Hip Arthroplasty versus Conventional Incision Hip Resurfacing
*Ryan M. Nunley, M.D.
St. Louis, MO
Elizabeth Zhou, M.D.
St. Louis, MO
Scott Kaiser, M.D.
San Francisco, CA
John C. Clohisy, M.D.
St. Louis, MO
Robert L. Barrack, M.D.
St. Louis, MO
18. Outcome of Prosthetic Hip Infections with Resistant Organisms at a Tertiary Care Center
*Jason Cochran, M.D.
Okemos, MI
Trevor G. Murray, M.D.
Cleveland, OH
Robert Molloy, M.D.
Cleveland, OH
Wael K. Barsoum, M.D.
Cleveland, OH
Viktor E. Krebs, M.D.
Cleveland, OH
19. Effect of Age and Gender on Serum Titanium Levels Following Hip Arthroplasty Using Highly Modular Versus Nonmodular Prosthesis
*Bradley W. Dyrstad, M.D.
Springfield, IL
B. K. Parsley, M.D.
Springfield, IL
Joseph C. Milbrandt, M.D.
Springfield, IL
D. Gordon Allan, M.D.
Springfield, IL
20. Percutaneously Assisted Total Hip Arthroplasty – Early Outcomes of a Novel Soft-Tissue Sparing Approach
*Brad L. Penenberg, M.D.
Beverly Hills, CA
Joseph Isaacson, M.D.
Los Angeles, CA
Eugene P. Schoch, III, M.D.
Austin, TX
Jonette Hodge, R.N.
Arlington, TN
21. Early Clinical Outcomes in THA Patients Implanted via Mini-Posterior Approach versus Percutaneously Assisted Technique
*Brad L. Penenberg, M.D.
Beverly Hills, CA
Gregory N. Van Winkle, M.D.
Menomonee Falls, WI
Eugene P. Schoch, III, M.D.
Austin, TX
Joseph Isaacson, M.D.
Los Angeles, CA

Knee

22. Arthroscopic Treatment of Patellar Clunk and Synovial Hyperplasia After Total Knee Arthroplasty
*Michael J. Stuart, M.D.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
Bruce A. Levy, M.D.
Rochester, MN
23. Staged Protocol for Acute Knee Dislocation: The Role of Initial Spanning External Fixation
*Bruce A. Levy, M.D.
Rochester, MN
Khaled A. Dajani, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
Diego A. Herrera, M.D.
Rochester, MN
Michael J. Stuart, M.D.
Rochester, MN
24. Pre- and Postoperative Alignment Using an Alternative Navigation Method
*David K. DeBoer, M.D.
Nashville, TN
C. Lowry Barnes, M.D.
Little Rock, AR
J. David Blaha, M.D.
Ann Arbor, MI
Mike Carroll, B.S.
Arlington, TN
Rich Obert, B.S.
Arlington, TN
Paul Stemnenski, B.S.
Arlington, TN
25. Manipulation Following ADVANCE Knee Arthroplasty: Medial Pivot and Double High Designs
*C. Lowry Barnes, M.D.
Little Rock, AR
Daniel Lincoln, B.S.
Little Rock, AR
Becky Brewer, B.S.
Little Rock, AR
26. Distal Femoral Sizing Comparisons Using Computed Tomography Archive
*C. Lowry Barnes, M.D.
Little Rock, AR
David K. DeBoer, M.D.
Little Rock, AR
J. David Blaha, M.D.
Ann Arbor, MI
John Green, M.S.
Little Rock, AR
Rich Obert, M.S.
Arlington, TN
27. Low Incidence of Postoperative Complications Due to Pin Placement in Computer Navigated Total Knee Replacement
*Richard F. Owens, Jr., M.D.
Cincinnati, OH
Michael L. Swank, M.D.
Cincinnati, OH
28. Intermediate Postoperative Outcomes in Computer Assisted Total Knee Arthroplasty: Evaluating 261 Initial Consecutive Cases
*Taruna J. Madhav, M.D.
Cincinnati, OH
Shannon L. Hiratzka, MPH, MT (ASCP)
Cincinnati, OH
Michael L. Swank, M.D.
Cincinnati, OH
29. Computer-Assisted Navigation Software Advancements Improve the Accuracy of Total Knee Arthroplasty
*Ryan G. Molli, M.D.
Southfield, MI
Kevin C. Anderson, M.D.
Manistee, MI
Knut C. Buehler, M.D.
Bend, OR
David C. Markel, M.D.
Southfield, MI
30. More Experienced Surgeons Select Larger Femoral Components in Total Knee Arthroplasty
*Sumon Nandi, M.D.
Cleveland, OH
Mark I. Froimson, M.D.
Cleveland, OH
Morgan H. Jones, M.D.
Cleveland, OH
Boris Bershadsky, Ph.D.
Cleveland, OH

*Denotes Presenter

31. Pain Relief Following TKA Not Affected by Body Mass Index (BMI)
*Jasvinder A. Singh, M.D.
Minneapolis, MN
Sherine E. Gabriel, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
32. Systematic Review of Total Knee Arthroplasty (TKA) in Patients 55 Years or Younger
*John C. Clohisey, M.D.
St. Louis, MO
Ms. Selena Eunice
St. Louis, MO
Amanda Schutz, Ph.D.
St. Louis, MO
33. Can Total Knee Arthroplasty Implant Size be as Accurately Predicted by Height as by Templating?
John H. Flint, M.D.
Iowa City, IA
*Aaron M. O'Brien, B.S.
Iowa City, IA
Richard C. Johnston, M.D.
Iowa City, IA
John J. Callaghan, M.D.
Iowa City, IA
34. Radiographs Do Not Allow Accurate Measurement of Lower Extremity and Implant Alignment Following TKA
*Todd C. Moen, M.D.
Chicago, IL
S. David Stulberg, M.D.
Chicago, IL
Mark A. Yaffe, M.D.
Chicago, IL
35. Alignment in Total Knee Arthroplasty: An Analysis of Variability of the Anatomic and Mechanical Axis of the Femur
*Mr. Nicholas Wegner
Chicago, IL
S. David Stulberg, M.D.
Chicago, IL
Todd C. Moen, M.D.
Chicago, IL
36. Golf After Total Knee Arthroplasty: Do Patients Return to Walking the Course?
*Jeffrey D. Jackson, M.D.
Rochester, MN
Diane L. Dahm, M.D.
Rochester, MN
Jay Smith, M.D.
Rochester, MN
Stephen Wisniewski, M.D.
Rochester, MN
Jeffrey R. Harrington, M.D.
Rochester, MN
37. Outcome of Total Knee Arthroplasty when the Extensor Mechanism is Preserved
*Michael J. Anderson, M.D.
Mequon, WI
Joseph Isaacson, M.D.
Los Angeles, CA
Brad L. Penenberg, M.D.
Los Angeles, CA
Eugene P. Schoch, III, M.D.
Austin, TX
Jonette Hodge, R.N.
Arlington, TN
38. Biomechanical Testing of Tibial Fixation Implants with Double-Stranded Allografts Used in ACL Reconstruction
*Jeremy R. Child, B.S.
Columbus, OH
Alan S. Litsky, M.D.
Columbus, OH
David C. Flanigan, M.D.
Columbus, OH

Hip & Knee

39. Implementation of a Rapid Recovery Program Following Total Joint Arthroplasty
*Wael K. Barsoum, M.D.
Cleveland, OH
Aaron Toetz, B.S.
Cleveland, OH
Lauren Boukis, B.S.
Cleveland, OH
April Fehribach, B.S.
Cleveland, OH
Marka Gehrig, B.S.
Cleveland, OH
Mary K. Miladonis, Ph.D.
Cleveland, OH
Alison K. Klika, M.S.
Cleveland, OH

40. Midterm Follow-Up Compliance for Routine Total Joint Arthroplasty Surveillance
Saju Rajan, M.D.
St. Louis, MO
Amanda Schutz, Ph.D.
St. Louis, MO
Adeniran Adewale, B.S.
St. Louis, MO
*John C. Clohisey, M.D.
St. Louis, MO
41. Hip and Knee Arthroplasty in Hypophosphatemic Rickets
*A. Noelle Larson, M.D.
Rochester, MN
Joaquin Sanchez-Sotelo, M.D., Ph.D.
Rochester, MN
Robert T. Trousdale, M.D.
Rochester, MN
Mark W. Pagnano, M.D.
Rochester, MN
Arlen D. Hanssen, M.D.
Rochester, MN
David G. Lewallen, M.D.
Rochester, MN
42. Primary Hip and Knee Replacement: "Are We All Operating on the Same Patients, Even at the Same Institution?"
*Paul K. Herickhoff, M.D.
Iowa City, IA
John J. Callaghan, M.D.
Iowa City, IA
Michael R. O'Rourke, M.D.
Iowa City, IA
Charles R. Clark, M.D.
Iowa City, IA
J. Lawrence Marsh, M.D.
Iowa City, IA
Nicolas O. Noiseux, M.D.
Iowa City, IA
Richard C. Johnston, M.D.
Iowa City, IA

Lower Extremity

43. Evaluation of Tibia Fracture Union with CT Scans and Plain Radiography
Brian M. Curtin, M.D.
Louisville, KY
Madhusudhan R. Yakkanti, M.D.
Louisville, KY
*Craig S. Roberts, M.D.
Louisville, KY
Steven D. Glassman, M.D.
Louisville, KY
44. Functional Outcomes of Operatively Treated Tibial Plateau Fractures
*Clifford B. Jones, M.D.
Grand Rapids, MI
Matthew R. Karek, B.S.
Grand Rapids, MI
Debra L. Sietsema, Ph.D.
Grand Rapids, MI
Terrence J. Endres, M.D.
Grand Rapids, MI
45. Vancouver Type II and III Periprosthetic Femur Fractures Treated with Modular Femoral Implants
*Arthur L. Malkani, M.D.
Louisville, KY
Mehdi Jaffari, M.D.
Philadelphia, PA
Javad Parvizi, M.D.
Philadelphia, PA
Mr. Dale Baker
Louisville, KY

Upper Extremity

46. Thumb Carpometacarpal Suspension Arthroplasty Using Interference Screw Fixation: Surgical Technique and Clinical Results
*Robert W. Wysocki, M.D.
Chicago, IL
Mark S. Cohen, M.D.
Chicago, IL
John J. Fernandez, M.D.
Chicago, IL

47. Comparison of Bending Stiffnesses of
Conventional versus Locked Plate
Constructs in Oblique Radius Shaft
Fractures

*Samuel D. Carter, M.D.

Louisville, KY

Amitava Gupta, M.D.

Louisville, KY

Michael J. Voor, Ph.D.

Louisville, KY

48. Reliability of Plain Radiographs and
Fluoroscopy in Evaluating the
Scapholunate Interval

*Philip J. Lahey, M.D.

Brooklyn, NY

Jack Choueka, M.D.

Brooklyn, NY

49. Assessing Rotational Deformity of the
Fifth Metacarpal

*Philip J. Lahey, M.D.

Brooklyn, NY

Mihir Patel, M.D.

Selden, NY

Jack Choueka, M.D.

Brooklyn, NY

IMPORTANT INFORMATION REGARDING TWENTY-SEVENTH ANNUAL MEETING

WHAT IS INCLUDED IN YOUR REGISTRATION FEE?

Physician Registration

- Continental Breakfast in Exhibit Area on Thursday, Friday, and Saturday
- Coffee Breaks in the Exhibit Area
- Welcome Reception and Buffet Dinner on Wednesday
- Reception and Dinner on Friday
- Meeting Expenses - As with all meetings, your registration fee helps to cover all expenses generated by the annual meeting, such as name badges, printing, postage, audiovisual equipment, etc.

Spouse Registration

- Continental Breakfast and Social Program in the Spouse Welcome area on Thursday
- Welcome Reception and Buffet Dinner on Wednesday
- Reception and Dinner on Friday
- Name badges

Controlling Registration Fees

Charges for functions, meeting space, and amenities are ameliorated in direct ratio to the number of rooms booked through the Association's block. Consolidating our reservations helps control registration fees.

The 2009 meeting registration fees are as follows:

	<u>On or before</u> <u>March 16, 2009</u>	<u>After</u> <u>March 16, 2009</u>
Member (includes evening functions)	\$800	\$850
Nonmember (includes evening functions)	\$1,200	\$1,250
Resident/fellow/allied health (includes evening functions)	\$500	\$550
Exhibitor (company representative)	\$270	\$270
(includes Wed. and Fri. dinners)		
Exhibitor (company representative) (includes Wed. dinner)	\$135	\$135
Exhibitor (company representative) (includes Fri. dinner)	\$135	\$135
Exhibitor (company representative)		
(no evening functions included)	\$0	\$0

POLICY REGARDING CHILDREN'S ATTENDANCE

Children

All children attending the Twenty-Seventh Annual Meeting are welcome to attend various functions with a parent. Should children wish to attend the MAOA evening functions, a ticket must be purchased in advance for each event. Children's evening meal tickets for Wednesday and Friday may be purchased via the MAOA web site when registering for the meeting. At the Amelia Island Plantation, children age 17 and under stay free of charge, when sharing a room with an adult.

Amelia Island Plantation

Amelia Island Plantation is Florida's premier AAA-Four Diamond destination island resort in perfect harmony with nature. Located on Amelia Island, Florida, just 29 miles north of the Jacksonville International Airport and just across the St. Mary's River from Georgia, it is adjacent to the historic city of Fernandina. Amelia Island Plantation is a 1,350-acre property which overlooks the blue water of the Atlantic on the east and the green marshland and Intracoastal Waterway on the west. The resort offers an array of delightful choices from ocean view deluxe hotel rooms to sumptuous oceanfront penthouses. Noted for its environmental consciousness, this privately owned resort features miles of wide beaches, world-renowned golf and tennis facilities, fine dining, entertainment, and shopping.

MAOA has been allotted a variety of accommodations which include ocean view accommodations at the Amelia Inn; efficiency suite accommodations in the adjoining building, "Sandcastles"; and resort view two bedroom villas. Early registration is recommended for choice room selections. The efficiency suites in Sandcastles and resort view villas are perfect for families with small children. These special MAOA group room rates are valid three (3) days prior and three (3) days after the meeting dates, subject to availability.

The MAOA daily room rate is as follows:

Ocean View Rooms	\$275.00
Ocean View Junior Suite	\$295.00
Ocean View 1 Bedroom Suite	\$320.00
Resort View 2 Bedroom Villa	\$325.00

Note: The above rates are European Plan (no meals included) and are subject to applicable state and local taxes, which are currently 7% state tax and 2% occupancy tax and are subject to change.

RESORT SERVICE FEE AND GRATUITIES: In addition to the rates set forth above, a daily resort service fee is currently charged in the amount of \$10.00 plus sales tax (currently 7%), per person (16 years of age and older), per night, which includes: housekeeping gratuities, local and toll free access, unlimited high speed internet access in all applicable accommodations, transportation driver gratuities, unlimited on-property shuttle transportation, self parking, unlimited use of health & fitness center, one hour of tennis court usage daily (individual play only), one bucket of range balls, meeting concierge staff, in-room coffee, and 24/7 public safety staff.

REGISTER EARLY

Early registration is recommended. The Amelia Island Plantation is holding a block of rooms for attendees and these rooms may be obtained by making reservations through the MAOA web site. This allows MAOA members first choice of these rooms. Reservation requests from MAOA members will be given priority until March 16, 2009. Following that date, reservations will be accepted on space availability basis, and if the group rate is not available, the prevailing hotel rack rates will apply.

GENERAL

HOW DO I REGISTER AND RESERVE A HOTEL ROOM?

Visit the Mid-America Orthopaedic Association web site (www.maoa.org) to register for the meeting and reserve a hotel room. Click on "2009 Annual Meeting Registration". If you encounter any problems with registering or making your room reservation, please call the MAOA office at 507-281-3431. Room reservations will be closed March 16, 2009, or earlier if all hotel space has been allocated.

HOTEL DEPOSIT

Your credit card will be charged a deposit equal to two night's stay in order to confirm your reservation. This deposit is refundable if notice is received more than 14 days prior to your scheduled arrival and a cancellation number is obtained from the hotel. No shows will be charged for two night's room and tax.

HOTEL CANCELLATION POLICY

Your deposit is refundable if cancellation is received by the hotel more than 14 days prior to your scheduled arrival. Your two-night deposit will be credited to the first and last night of your stay. Special consideration will be given in cases of illness, death of member, or immediate family member, supported by medical certification.

MEETING REGISTRATION FEE CANCELLATION POLICY

Full meeting registration fee (less \$35.00 administrative fee) will be refunded if notice is received by March 16, 2009. All meeting cancellations must be received in writing. No refund of meeting registration fee will be granted if notice is received March 17, 2009, or later.

GROUND TRANSPORTATION

AIRPORT/HOTEL TRANSPORTATION

Ground transportation service is available round-trip between the Jacksonville International Airport and the Amelia Island Plantation. The cost at the present time is \$43.00 per person one-way which includes tax and gratuity. Reservations are required 48 hours in advance and can be made online at www.aipfl.com. Click on "About Us" and then "Transportation and Directions" or by calling 1-888-261-6161. Traveling time from the Jacksonville Airport to the Amelia Island Plantation is approximately 40 minutes.

CAR RENTALS

Special MAOA car rental rates are available with Budget Car Rental on the MAOA web site (www.maoa.org) or by calling Budget at 1-800-772-3773 and referring to **#U061063**. Self-parking at the resort is free of charge. Valet parking is available at the present rate of \$12.50 daily.

WEATHER

Florida's subtropical climate has long been a strong drawing card for tourists and residents alike. At the heart of the "Sunshine State," the area's average annual temperature during the month of April is a comfortable 82 degrees. Average annual rainfall amounts to over 50 inches per year, keeping Florida lush and green throughout the year. You will find sunny warm days combined with cool evening sea breezes.

SUGGESTED CLOTHING

Casual dress will be the appropriate attire for all Mid-America activities. Comfortable and elegant casual resort wear best describes the customary dress for all evening functions. We do suggest you pack a sweater or light jacket for the evenings. Don't forget your sunscreen for those hot afternoons on the beach.

HOTEL DINING

You are free to dine on your own on Thursday and Saturday. Dining options at Amelia Island Plantation range from casual to elegant. A variety of dining venues have earned Amelia Island Plantation a reputation for excellence in dining. However, if you have access to an automobile, you will also find a variety of excellent restaurants in the nearby town of Fernandina Beach. If you choose to enjoy delicious cuisine in the privacy of your room, guest room dining is available from 6:30 a.m. to midnight. Resort restaurants are as follows:

OCEAN GRILL

Dinner at the Ocean Grill is always an affair to remember with a menu of the finest steaks, chops, chef's specials, a bountiful wine list, and a lavish selection of desserts. Let the Atlantic be your dinner companion. The view of the ocean from your table is a sight to behold. Savor the sounds, scents, and sophistication of the sea as you feast upon the finest haute cuisine has to offer.

VERANDAH

It's not just dinner at the Verandah - it's an experience. From the Cumberland crab cake appetizer to the main course of filet mignon and pan roasted lobster tail, there is something for everyone. Overlooking the Racquet Park, view the natural canopy of oaks from your table. Whether you are looking to relax with friends or have a quiet meal with that special someone, the Verandah is sure to give you a dining experience to remember.

MARCHÉ BURETTE

From breakfast to lunch to a late afternoon snack, Marché Burette is the deli of your dreams. Step back into time at this grocery and wine shop while you peruse the fresh meats and cheeses. Sit down and relax with some sweet tea, a wood-oven fired pizza, and a key lime tart. Dine against a backdrop of the lake and watch a heron by the water. Grab some home-made ice-cream from Cooper's and make a day of Marché.

BEACH CLUB GRILL

A lazy day by the pool might not be complete without a frosty beverage or a fabulous lunch at the Beach Club Grill, located adjacent to the double-tier pool deck at the Amelia Inn and Beach Club. Whether you are looking for a Philly Cheese Steak sub, an Asian salad, or a bucket of shell-on shrimp, the Beach Club Grill can make it yours for lunch or dinner. A day at the beach or pool would not be complete without a trip to the Beach Club Grill.

GOLF SHOP RESTAURANT

Located in the Amelia Links Pro Shop, the Golf Shop Restaurant has delicious fare for the hungry golfer and is open for breakfast and lunch.

SPA

The Spa at Amelia Island Plantation is wonderful and accessible to all resort guests. Their mission is to provide unsurpassed spa and salon services using the highest quality natural skin and earth friendly products to ensure commitment to their guests and the environment.

Services are subject to availability and should be reserved in advance. Please make appointments before your arrival so the Spa can meet your specific scheduling requests. When booking services, please advise the spa programmer of any health conditions, allergies, or injuries which could affect your service. Call toll free at 877-843-7722 or e-mail thespa@aipfl.com

FITNESS CENTER

Located in the shady oaks of Racquet Park, the facility is fully equipped with state of the art Life Fitness treadmills, cross trainers, stair climbers, upright and recumbent bikes, and strength machines as well as Cybex weight equipment and free weights. All cardio equipment is equipped with an 11 inch LCD monitor which allows you to enjoy watching television while you do your cardio. Headphones are required to hear the TV and can either be purchased at the Health & Fitness Center or you may bring your own. Both the men's and women's locker rooms boast steam rooms, saunas, whirlpools, sparkling clean showers, and are fully stocked with towels and amenities.

KIDS AT AMELIA ISLAND PLANTATION

The award-winning children's programs offer a variety of great experiences. You can spend the day playing games in Kids Camp Amelia or attend the Just For Kids dinner party, where you can go on hayrides or search for treasure. All of the programs have daily themes and are structured for children ages 3 to 10. The Recreation Department offers daily family friendly activities including games, contests, crafts, clinics, and lessons. The staff specializes in fun for all ages, unforgettable experiences, and lifelong memories. From award-winning kids' camp to poolside activities, Amelia Island Plantation caters to guests of all ages.

TOURS AND ACTIVITIES

Wonderful activities are offered at Amelia Island Plantation. It is their goal to offer the best and most fun experience you and your family can have while visiting their resort. The following are some of the fun activities at Amelia Island Plantation:

- Bicycling
- Deep Sea Fishing
- Fresh Water Fishing
- Nature Kayaking
- Nature Tours
- Sailing
- Segway Safari Expeditions
- Swimming and Water Sports
- Historical Tours to nearby Fernandina Beach

NATURE KAYAKING

Thursday, April 23, 2009

2:00 p.m. - 4:00 p.m.

\$95.00 per person

Join a naturalist on a leisurely paddle through the marsh. Search for birds, fish, and other unique animals that flourish throughout this dynamic ecosystem. Geared towards all skill levels, this two-hour paddle includes an introductory lesson. Children must be 8 years old to participate and 14 years old to paddle alone. Tandem kayaks are available. Be sure to bring sunscreen and bug repellent. Dress to get wet.

SAILING CHARTER

Friday, April 24, 2009

1:30 p.m. - 5:30 p.m.

\$120.00 per person

Without a doubt, Amelia Island offers some of the best sailing waters in the world! You will be transferred from the resort to the marina in downtown Fernandina. Your chartered sail begins at the historical Fernandina Harbor Marina where old country sailboats visited the new country and traded their goods. Sailing north on the pristine beautiful waters of the Atlantic, this three-hour sail will be filled with fun and excitement.

GOLF

Named a "Silver Medal Golf Resort" by *Golf Magazine*, Amelia Island Plantation boasts 72 championship holes and their courses are the finest.

Amelia Links, designed by Pete Dye and Bobby Weed, is a 36-hole configuration including two signature courses, Oak Marsh and Ocean Links.

Long Point, Tom Fazio's creation, is an 18-hole layout designed distinctly among primal marshlands and the towering sand dunes of the Atlantic. Long Point is our Club Member's primary course; however, resort guests may reserve tee times one day in advance.

Amelia River, (formerly Royal Amelia) open to the public and located just three miles from the resort's main entrance, offers a Tom Jackson-designed 18-hole layout, sculpted around a forest of majestic live oaks, sabal palms, pines, and wax myrtles.

Amelia Links, Long Point, and Amelia River golf pro shops each offer private instruction and equipment rentals. Customized gifts and an extensive collection of golf accessories and sports wear are available at the Amelia Links and Long Point pro shops.

MAOA GOLF TOURNAMENT

Tournament registration can be done via the MAOA web site (www.maoa.org). The tournament is scheduled as follows:

Friday, April 24, 2009
Ocean Links Course

1:30 p.m.
\$180.00 per person

TENNIS

The Amelia Island Plantation tennis program has been recognized as one of the finest resort tennis programs in the world, offering a variety of tournaments and facilities that cater to the whole family and every level of play. With 23 Har-Tru® fast-dry clay courts shaded beneath majestic live oaks in a beautiful Florida tennis setting, guests can enjoy day or night play. Their teaching pros provide excellent individual tennis or group instruction, and utilize ball machines that provide topspin lobs to shots down the center line.

MAOA TENNIS TOURNAMENT

Tournament registration can be done via the MAOA web site (www.maoa.org). The tournament is scheduled as follows:

Thursday, April 23, 2009
Racquet Park

2:00 p.m.
\$40.00 per person

SHOPPING

There are 44,000 square feet of fabulous shops at the Amelia Island Plantation Resort. You will find top designers such as Tommy Bahama, LaCoste, Saltaire, Tori Richard, Tailorbyrd, Cole Haan, Bailey Boys, Baby Lulu, and Michael Kors in every store. Shopping is also fun at the specialty shops and boutiques in nearby Fernandina Beach.

BREAKOUT SESSIONS

Each Breakout Session will be devoted to a specific area of orthopedics and will allow sufficient time for discussion. The Breakout Sessions have been scheduled for Thursday, April 23; Friday, April 24; and Saturday, April 25. The Category 1 credits earned by attending the Breakout Sessions are included in the total number awarded by our 2009 Annual Meeting.

INSTRUCTIONAL COURSES

Instructional Courses have been scheduled for Friday, April 24 and Saturday, April 25. There is no additional cost to attend these courses. Please indicate your attendance at these four instructional courses on the registration so plans can be made accordingly. Continuing medical education credit for the instructional courses is included in the 26 hours of Category 1 time as outlined on page 1.

MULTIMEDIA EDUCATION

A multimedia education session will be held from 1:00-3:00 p.m. on Thursday, April 23; Friday, April 24; and Saturday, April 25. A comprehensive selection of AAOS DVDs will be available for your review. These DVDs will highlight surgical procedures and current concepts in orthopedics. Because of the variety of topics that will be available, each orthopedist should find these DVDs informative and helpful in his/her practice.

RESPONSIBILITY

MAOA, its Board members, officers, employees, and agents are not responsible for any personal injury, death, property damage or other loss an attendee, or any person accompanying the attendee, incurs while participating in, attending, attempting to attend, or returning from any MAOA activity or event which arises from any act or omission by any air carrier, public transport company, car rental company, hotel, subcontractor, or other person, organization, or entity, whether providing any services or facilities related thereto. All tickets, vouchers, and invitations are issued or provided subject to the foregoing. MAOA accepts no responsibility for any reason such as losses or expenses due to delay or changes in schedules, flight cancellations or misconnections, sickness, quarantine, weather, acts of God, strikes, government actions, war, terrorism, or other circumstances beyond its control.

Questions?? Contact:

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Web Site: www.maoa.org

FUTURE MEETINGS

April 22-26, 2009	Amelia Island Plantation Amelia Island, FL
April 21-25, 2010	Hyatt Regency Lost Pines Resort Lost Pines (Austin), TX
April 6-10, 2011	Hilton Tucson El Conquistador Tucson, AZ

MAOA 2009 ANNUAL MEETING AT A GLANCE

Wednesday, April 22	Thursday, April 23
	<p>REGISTRATION Conference Center, Concierge Desk 6:00 a.m. - 1:00 p.m.</p> <p>SPEAKER READY ROOM Conference Center, Sapelo B 6:00 a.m. – 1:00 p.m.</p> <p>EXHIBITS/POSTERS OPEN Conference Center, Amelia 1,2 7:30 a.m. – 12:30 p.m.</p> <p>PLENARY SESSION Conference Center, Amelia 3,4 8:05 a.m. – 10:15 a.m.</p> <p>SPOUSE HOSPITALITY Conference Center Conference Rooms 1,2,3 8:30 a.m. - 10:30 a.m.</p> <p>SPOUSE WELCOME Conference Center Conference Rooms 1,2,3 9:30 a.m.</p> <p>SPOUSE PROGRAM Conference Center Conference Rooms 1,2,3 “Fit to a T” – Bone Health & Osteoporosis Education 9:45 a.m. – 10:30 a.m.</p> <p>FIRST BUSINESS MEETING Conference Center, Amelia 3,4 10:15 a.m. – 10:30 a.m.</p> <p>BREAKOUT SESSIONS Conference Center 11:00 a.m. – 12:45 p.m.</p>
<p>REGISTRATION Conference Center, Concierge Desk 12:00 Noon – 8:00 p.m.</p> <p>SPEAKER READY ROOM Conference Center, Sapelo B 12:00 Noon – 8:00 p.m.</p> <p>PRACTICE MANAGEMENT COURSE Conference Center, Talbot A/B 1:00 p.m. – 5:30 p.m.</p> <p>BOARD OF DIRECTORS' MEETING Conference Center, Conference 1 Room 3:00 p.m.</p> <p>BOARD OF DIRECTOR SPOUSE GATHERING Presidential Suite 4:00 p.m.</p> <p>EXHIBIT (COMPANY REP) MEETING Conference Center, Amelia 1,2 5:30 p.m.</p>	<p>MULTIMEDIA EDUCATION Conference Center, Ossabaw A 1:00 p.m. – 3:00 p.m.</p> <p>MID-AMERICA TENNIS TOURNAMENT 2:00 p.m.</p> <p>OPTIONAL TOUR NATURE KAYAKING 2:00 p.m.</p>
<p>STEEL LECTURE Conference Center, Amelia 3,4 6:00 p.m. - 7:00 p.m.</p> <p>WELCOME RECEPTION AND BUFFET Beach Club Upper Deck 7:00 p.m. - 9:00 p.m.</p>	<p>EXHIBITORS' RECEPTION Conference Center – Amelia 1,2 6:00 p.m. - 7:30 p.m.</p> <p>DINNER AT LEISURE</p>

Amelia Island Plantation • Amelia Island, Florida

Friday, April 24	Saturday, April 25	Sunday, April 26
<p>REGISTRATION Conference Center, Concierge Desk 6:00 a.m. - 1:00 p.m.</p> <p>SPEAKER READY ROOM Conference Center, Sapelo B 6:00 a.m. – 1:00 p.m.</p> <p>INSTRUCTIONAL COURSES Conference Center 6:30 a.m. – 8:00 a.m.</p> <p>EXHIBITS/POSTERS OPEN Conference Center, Amelia 3,4 7:30 a.m. – 12:30 p.m.</p> <p>PLENARY SESSION Conference Center, Amelia 3,4 8:05 a.m. – 10:30 a.m.</p> <p>BREAKOUT SESSIONS Conference Center 11:00 a.m. – 12:45 p.m.</p>	<p>REGISTRATION Conference Center, Concierge Desk 6:00 a.m. - 1:00 p.m.</p> <p>SPEAKER READY ROOM Conference Center, Sapelo B 6:00 a.m. – 1:00 p.m.</p> <p>INSTRUCTIONAL COURSES Conference Center 6:30 a.m. – 8:00 a.m.</p> <p>EXHIBITS/POSTERS OPEN Conference Center, Amelia 3,4 7:30 a.m. – 12:30 p.m.</p> <p>SECOND BUSINESS MEETING Conference Center, Amelia 3,4 8:00 a.m. – 8:10 a.m.</p> <p>PLENARY SESSION Conference Center, Amelia 3,4 8:10 a.m. – 10:20 a.m.</p> <p>BREAKOUT SESSIONS Conference Center 11:00 a.m. – 12:45 p.m.</p>	<p>Departures</p>
<p>MULTIMEDIA EDUCATION Conference Center, Ossabaw A 1:00 p.m. – 3:00 p.m.</p> <p>MID-AMERICA GOLF TOURNAMENT Ocean Links Golf Course 1:30 p.m.</p> <p>OPTIONAL TOUR SAILING CHARTER 1:30 p.m.</p>	<p>BOARD OF DIRECTORS' MEETING Conference Center, Ossabaw B 12:45 p.m.</p> <p>MULTIMEDIA EDUCATION Conference Center, Ossabaw A 1:00 p.m. – 3:00 p.m.</p>	
<p>RECEPTION/DINNER/DANCE Grand Pavilion 6:30 p.m. – 10:00 p.m.</p>	<p>DINNER AT LEISURE</p>	

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FUTURE MEETINGS



**April 22-26, 2009
Amelia Island Plantation
Amelia Island, Florida**

**April 21-25, 2010
Hyatt Regency Lost Pines Resort
Lost Pines (Austin), Texas**

**April 6-10, 2011
Hilton Tucson El Conquistador
Tucson, Arizona**