CLINICAL ORTHOPAEDIC SOCIETY

Charleston’s Famous Rainbow Row
Photo courtesy of the Charleston Area Convention and Visitor Bureau

99th Annual Meeting
September 29 - October 1, 2011 • Francis Marion Hotel • Charleston, SC

For up-to-date program and registration information, please visit
WWW.COSOCIETY.ORG

22.75 AMA PRA Category 1 Credits™

LIVE PATIENT PRESENTATIONS
Welcome from the President

On behalf of the Board of Directors, I am delighted to welcome our members, guests, and the other regional Society Presidents to beautiful Charleston, South Carolina and the 99th Annual Meeting of the Clinical Orthopaedic Society. Many thanks to our local hosts: Dr. James Mooney, Dr. Langdon Hartsock and Dr. Donald R. Johnson, III, for helping make this meeting possible.

This year we have three outstanding presidential lecturers: James A. Nunley II, MD, the J. Leonard Goldner Professor and Chair at Duke University is an international expert on foot and ankle trauma and its reconstruction; A. Lee Osterman, MD, Professor and Chair of Hand Surgery at Thomas Jefferson University, is renowned for his expertise in hand surgery and the acute and reconstructive management of upper extremity trauma; Chitranjan Ranawat, MD, Professor at Cornell, is recognized globally as a premier adult reconstructive surgeon. Dr. Ranawat will be honored as our Dr. and Mrs. J. Elmer Nix Ethics Award winner at the meeting.

Dr. Robert Peroutka and his committee have created an outstanding educational program involving all orthopaedic sub-specialties, with a special emphasis on upper and lower extremity trauma. The program provides 22.75 CME credits to our attendees.

This year we have initiated a special residents and fellows award, and we are fortunate to have residents and fellows from the seven orthopaedic programs in the Carolinas attending this meeting. This resident opportunity was made possible by our industry sponsors. In addition, we have scientific and technical exhibits which will be stimulating and educational.

When not attending the meeting, please take the opportunity to enjoy Charleston. Charleston, the second largest city in South Carolina, is one of the top tourist attractions in the United States and is known for its Southern hospitality. In fact, in 1995, America’s most-published etiquette expert, Marjabelle Young Stewart, recognized Charleston as the “best-mannered” city in the U.S. Charleston offers wonderful attractions, fabulous restaurants and a multitude of outdoor and leisure activities.

Thank you for joining us at this meeting--we hope you benefit from the scientific program while taking advantage of all that Charleston and the Clinical Orthopaedic Society has to offer.

Sincerely,

L. Andrew Koman, MD
COS President
Faculty

C. Lowry Barnes, MD
Arkansas Specialty Orthopaedics
Hip Knee Arkansas Foundation
Little Rock, AR

Daniel J. Berry, MD
L.Z. Gund Professor and Chairman
Department of Orthopaedic Surgery
Mayo Clinic
Rochester, MN

Michael P. Bolognesi, MD
Assistant Professor, Chief, Division of Adult Reconstruction
Duke University Medical Center
Durham, NC

Bess E. Brackett, MD
Gifford Medical Center
Berlin, VT

Walton W. Curl, MD
Professor of Orthopaedic Surgery
Wake Forest University Medical Center
Winston-Salem, NC

John E. Garber, MD
Witham Health Services
Lebanon, IN

Langdon Hartsock, MD
Charleston, SC

Dabney Y. Hofmann, MD
Decatur Orthopaedic Clinic
Decatur, AL

Shepard R. Hurwitz, MD
Professor of Orthopaedics
University of North Carolina
American Board of Orthopaedic Surgery
Chapel Hill, NC

Riyaz H. Jinnah, MD, FRCS
Professor
Wake Forest School of Medicine
Winston-Salem, NC

Donald R. Johnson II, MD
Clinical Associate Professor
Southeastern Spine Institute
Mt. Pleasant, SC

Lynne C. Jones, PhD
Associate Professor, Orthopaedic Surgery
Johns Hopkins University School of Medicine
Baltimore, MD

Thomas N. Joseph, MD
Camden Bone and Joint
Camden, SC

Z. John Li, MD, PhD
Associate Professor
Wake Forest School of Medicine
Winston-Salem, NC

Angus M. McBryde, Jr., MD
Fellowship Director, Ankle and Foot Service
Alabama Sports Medicine
Andrews Sports Medicine and Orthopaedic Center
Birmingham, AL

Simon C. Mears, MD
Associate Professor and Chairman
Johns Hopkins Bayview Medical Center
Baltimore, MD

Frederick N. Meyer, MD
Professor and Chairman, Department of Orthopaedics
University of South Alabama
Mobile, AL

James F. Mooney III, MD
Professor, Department of Orthopaedic Surgery
Medical University of South Carolina
Charleston, SC

James A. Nunley II, MD
Professor and Chair, Department of Orthopaedic Surgery
Duke University
Durham, NC

Steven A. Olson, MD
Professor and Vice-Chair
Duke University Medical Center
Durham, NC

J. Donald Opgrande, MD
Professor and Chairman
University of North Dakota School of Medicine
Fargo, ND

A. Lee Osterman, MD
Professor of Hand and Orthopedics
Philadelphia Hand Center at Thomas Jefferson
Villanova, PA

Steven C. Poletti, MD
Southeastern Spine Institute
Mt. Pleasant, SC

Chitranjan S. Ranawat, MD
Professor of Orthopaedic Surgery
Ranawat Orthopaedics
Hospital for Special Surgery
New York, NY

Ricardo J. Rodriguez, MD
Assistant Clinical Professor
Baton Rouge Orthopaedic Clinic, LLC
Baton Rouge, LA

David Ruch, MD
Professor and Vice Chairman
Duke University Medical Center
Durham, NC

Allston J. Stubbs, MD
Assistant Professor
Wake Forest University
Winston-Salem, NC

Daniel Valaik, MD
Assistant Professor
Johns Hopkins Orthopaedics
Baltimore, MD

Mark Van Dyke, PhD
Assistant Professor
Wake Forest School of Medicine
Winston-Salem, NC

William C. Warner, Jr., MD
Campbell Clinic, Inc.
Germantown, TN

Bashir A. Zikria, MD
Assistant Professor
Johns Hopkins School of Medicine
Baltimore, MD
Meeting Mission Statement
The 2011 Annual Meeting of the Clinical Orthopaedic Society will offer participants a comprehensive review of orthopaedic conditions including joint arthroplasty, sports medicine, patient safety, trauma, foot and ankle, pediatric orthopaedics, arthroscopy hand and upper extremity surgery. Meeting attendees will review tried and true methods of diagnosis and treatments in addition to acquiring knowledge in the latest diagnostic and treatment techniques in each of these areas. COS program faculty for 2011 are experts in the orthopaedic sub-specialty topics represented and will be available to clinicians throughout the meeting. Dialogue and interaction between the audience and presenters will be highly encouraged.

Highlighting this year’s program is a live patient presentation that will allow participants to view patient-physician interactions. This program is sponsored by the Clinical Orthopaedic Society for members and non-members, and has been designed to meet the needs of practicing orthopaedic surgeons.

Target Audience
Orthopaedic surgeons, orthopaedic residents, sports medicine physicians, physician assistants, nurse practitioners, nurses, physical therapists, occupational therapists, trainers and other allied health personnel, epidemiologists, researchers, and all those involved with the care of patients with orthopaedic conditions will benefit from attending the 2011 Annual Meeting of the Clinical Orthopaedic Society.

Mission & Audience

99th Annual Meeting Program

THURSDAY, SEPTEMBER 29, 2011

6:00 am - 5:30 pm  Registration
6:00 am - 7:00 am  Breakfast with Exhibitors
7:00 am - 7:15 am  Welcome and Opening Remarks – L. Andrew Koman, MD

Biotechnology Session  - Moderator: Bess E. Brackett, MD
7:15 am - 7:35 am  Regenerative Medicine’s Role in Orthopaedic Surgery
Mark Van Dyke, PhD
7:35 am - 7:55 am  Osteonecrosis: Where Do We Go From Here?
Lynne C. Jones, PhD
7:55 am - 8:15 am  Translation of Biomaterial Technologies from Academic Research to Commercial Use  – Mark Van Dyke, PhD
8:15 am - 8:35 am  Stem Cell Therapy in Orthopaedics: A SWOT Analysis
Lynne C. Jones, PhD
8:35 am - 9:00 am  You Can’t Shake Hands With An iPhone
A. Lee Osterman, MD
9:15 am - 9:45 am  Break with Exhibitors

Arthroplasty Session  - Moderator: Dabney Y. Hofammann, MD
9:45 am - 10:10 am  Past, Present and Future of Total Knee Replacement
Chitransan J. Ranawat, MD
10:10 am - 10:35 am  Robotics in Orthopaedics  – Riyaz H. Jinnah, MD, FRCS
10:35 am - 11:00 am  Patient Specific Instrumentation for TKA
Michael P. Bolognesi, MD
11:00 am - 11:25 am  Current State of Unicondylar Knee Arthroplasty
Riyaz H. Jinnah, MD, FRCS
11:50 am - 12:00 pm  Optional Non-CME Lunch – Pathophysiology of Pain: Mechanisms and Manifestations – Sponsored by Lilly USA, LLC
12:00 pm - 1:00 pm  Lunch – Pathophysiology of Pain: Mechanisms and Manifestations  – Sponsored by Lilly USA, LLC
1:00 pm - 1:30 pm  Live Patient Presentation

Upper Extremity Session
1:30 pm - 1:50 pm  Supracondylar Elbow Fractures  – Frederick N. Meyer, MD
1:50 pm - 2:10 pm  The Art of Placebo  – A. Lee Osterman, MD
2:10 pm - 2:30 pm  Maintenance of Certification Update  – Shepard R. Hurwitz, MD
2:30 pm - 2:50 pm  Current Concepts in the Treatment of Comminuted Distal Radius Fractures with External Fixation
J. Donald Opgrande, MD
2:50 pm - 3:10 pm  Treatment of Distal Radius Fracture: From Cast to Paperclips  – A. Lee Osterman, MD
3:00 pm - 3:30 pm  Break with Exhibitors

Sports Medicine Session  - Moderator: Ricardo J. Rodriguez, MD
3:30 pm - 3:55 pm  Anatomical ACL Reconstruction  – Bashir A. Zikria, MD
3:55 pm - 4:20 pm  The ACL Today and Future Directions  – Walton W. Curl, MD
4:20 pm - 4:45 pm  Knee Dislocation  – Bashir A. Zikria, MD
4:45 pm - 5:10 pm  Exertional Compartment Syndrome  – Angus M. McBryde, Jr, MD
5:10 pm - 5:30 pm  Panel Discussion
6: 30 pm - 7:30 pm  President’s Reception with Exhibitors
FRIDAY, SEPTEMBER 30, 2011

6:00 am - 5:00 pm Registration
6:00 am - 7:00 am Breakfast with Exhibitors
7:00 am - 8:00 am Resident Papers with Discussion - Moderator: Riyaz H. Jinah, MD, FRCS

Arthroplasty Session - Moderator: John E. Garber, MD
8:00 am - 8:25 am Pre-Op Navigation: Using the Computer Before You Get To The Operating Room – C. Lowry Barnes, MD
8:25 am - 8:50 am The Prearthritic Hip: A 21st Century Paradigm – Allston J. Stubbs, MD
8:50 am - 9:15 am Modular Necks in Total Hip Replacement: Is there a role? – C. Lowry Barnes, MD
9:15 am - 9:40 am Hip Arthroscopy for Chondrolabral Dysfunction – Allston J. Stubbs, MD
9:40 am - 10:05 am Participant and Panel Discussion
10:05 am - 10:35 am Break with Exhibitors

Trauma Session
10:35 am - 11:00 am Current Concepts in Lower Extremity Trauma – Langdon Hartsock, MD
11:00 am - 11:25 am Orthopedic Trauma Experience from the Wars in Iraq and Afghanistan – Daniel Valaik, MD
11:25 am - 11:50 am Management of Pediatric Femoral Shaft and Supracondylar Humerus Fractures: Current state of the art – James F. Mooney III, MD
11:50 am - 12:15 pm AC Joint Injuries – Bashir A. Zikria, MD
12:15 pm - 12:40 pm Orthopaedic Aspects of Child Abuse: An Update – James F. Mooney III, MD
12:40 pm - 1:10 pm Live Patient Presentation
1:10 pm - 2:00 pm Lunch Break
2:00 pm - 2:05 pm Dr. and Mrs. J. Elmer Nix Ethics Award – Chitranjan S. Ranawat, MD - Introduction: L. Andrew Koman, MD
2:05 pm - 2:30 pm Bearing Surfaces in Total Hip Replacements: What’s the rub? – Chitranjan S. Ranawat, MD

Hip Session - Moderator: Dabney Y. Hofmann, MD
2:30 pm - 2:50 pm Co-Management of Elderly Hip Fracture Patients – Simon C. Mears, MD
2:50 pm - 3:10 pm Hip Fracture Update – Steven A. Olson, MD
3:10 pm - 3:30 pm Postoperative Delirium of Hip Fracture Patients – Simon C. Mears, MD
3:30 pm - 3:50 pm Gait Recovery Following THA: What is the Effect of Surgical Approach? – Michael P. Bolognesi, MD
3:50 pm - 4:10 pm Recent Trends in Articular Fractures – Steven A. Olson, MD
4:10 pm - 4:30 pm Break

SPINE SESSION - Moderator: William C. Warner, Jr., MD
4:30 pm - 4:50 pm Minimally Invasive Surgery for Adult Degenerative Scoliosis – Donald R. Johnson III, MD; Steven C. Poletti, MD

Course Objectives

OVERALL COURSE OBJECTIVES

Sports and Arthroscopy
Understand the latest trends and techniques in sports related surgery and arthroscopy and how they affect patient outcomes. Develop a plan for incorporating new techniques that may benefit patients in your practice.

Hand and Upper Extremity
Develop a comprehensive management plan for ligament injuries leading to an unstable wrist including, but not limited to, acute stabilization as well as the late reconstruction of the unstable wrist with advancing arthritis.

Pediatrics
Describe the clinical challenges in pediatric patients who require sports and tumor related surgery on future growth patterns and how potential problems can be prevented.

Arthroplasty
Describe the latest controversies in Total Joint Arthroplasty regarding implant design and surgical approaches and how you might incorporate recent advances in your practice.

Orthopaedic Trauma
Understand the outcomes in patients who sustain lower extremity injuries, and incorporate this information in to your practice when discussing outcomes with patients who have sustained open fractures of the lower extremity.

Patient Safety
Understand the greatest medical legal risks facing orthopaedic surgeons and institute measures in your practice to improve patient safety and minimize adverse outcomes.

ACCREDITATION

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 Clinical Orthopaedic Society. 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 live activity for a maximum of 22.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
99th Annual Meeting Program

4:50 pm - 5:10 pm  Palpation Spine Surgery  
Donald R. Johnson III, MD; Steven C. Poletti, MD

5:10 pm - 5:30 pm  What’s New in Spine Surgery?  
Donald R. Johnson III, MD; Steven C. Poletti, MD

SATURDAY, OCTOBER 1, 2011

6:30 am - 12:30 pm  Registration

6:30 am - 7:00 am  Continental Breakfast

7:00 am - 8:00 am  Resident Papers with Discussion - Michael P. Bolognesi, MD

Foot & Ankle Session  - Moderator: Thomas N. Joseph, MD

8:00 am - 8:25 am  Current State of Total Ankle Replacement  
James A. Nunley II, MD

8:25 am - 8:50 am  Arthroscopic Ankle Arthrodesis  – Angus M. McBryde, Jr., MD

8:50 am - 9:15 am  Insertional Achilles Tendon Disorders  
James A. Nunley II, MD

9:15 am - 9:40 am  Live Patient Presentation

9:40 am - 10:05 am  Break

10:05 am - 10:35 am  AAOS Update – Daniel J. Berry, MD

Upper Extremity Session  - Moderator: Bess E. Brackett, MD

10:35 am - 11:00 am  Salvage Procedure for DRUJ  – Frederick N. Meyer, MD

11:00 am - 11:25 am  The Significance of the Palmar Lunate Facet in the  
Management of Intra-Articular Fractures of the Distal Radius  – David S. Ruch, MD

11:25 am - 11:50 am  Current Concepts in the Treatment of Basilar Arthritis of  
the Thumb  – J. Donald Opgrande, MD

11:50 am - 12:15 pm  Long Thoracic Nerve Palsy: Should We Wait or  
Should We Operate?  – Z. John Li, MD, PhD

12:15 pm - 12:40 pm  Surgical Management for Axillary Nerve Injuries  
Z. John Li, MD, PhD

12:40 pm - 1:10 pm  Fixation of the Coronoid Processed in Elbow Fracture  
Dislocation  – David S. Ruch, MD

1:10 pm - 1:40 pm  Presidential Address  – L. Andrew Koman, MD

1:40 pm  Adjournment
### MEETING REGISTRATION FORM

If paying by check, please make check payable to **COS** and mail to: 2209 Dickens Road, Richmond, VA 23230-2005

**PLEASE PRINT OR TYPE**

<table>
<thead>
<tr>
<th>Name</th>
<th>Last</th>
<th>First</th>
<th>MI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Preferred Mailing Address __________________________________________

City / State / Zip __________________________ Email Address __________________________

Office Phone __________________ Home Phone __________________ Fax __________________

**Registration Policy**: All attendees including spouse/guest must pay a registration fee to attend any COS event unless otherwise noted below. Badges are required for entrance to all scientific sessions and social functions. Registration fees include: Welcome Reception, Physician and spouse/guest breakfast and breaks. **Plus Resident Scholar Program Workshops**. All fees help to cover meeting expenses. Please complete all areas on this form. All fees are per person.

#### Check all that apply

<table>
<thead>
<tr>
<th>Through 9/7/11</th>
<th>After 9/7/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Orthopaedic Society Member</td>
<td>$575</td>
</tr>
<tr>
<td>Non-Member - US &amp; Canada</td>
<td>$675</td>
</tr>
<tr>
<td>One day registration ( Thursday / Friday / Saturday)</td>
<td>$225</td>
</tr>
<tr>
<td>Emeritus</td>
<td>$295</td>
</tr>
<tr>
<td>First Year/Candidate Member</td>
<td>$295</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>$495</td>
</tr>
<tr>
<td>Orthopaedic Resident*</td>
<td>Fee waived</td>
</tr>
<tr>
<td>Spouse/Guest(s) #________</td>
<td>$75 each</td>
</tr>
</tbody>
</table>

Name: __________________________ E-Mail: __________________________

Fee includes Reception with Exhibitors & three continental breakfasts.

* When accompanied by a letter from department chair, verifying resident status.

**TOTAL = $__________**

**Please Send Payment to:**

**Clinical Orthopaedic Society, 2209 Dickens Road, Richmond, VA 23230-2005**

(Credit Card payments may be faxed to 804-282-0090)

<table>
<thead>
<tr>
<th>Personal Check</th>
<th>VISA</th>
<th>MasterCard</th>
<th>American Express</th>
<th>Discover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Card No. __________________________ Exp. Date __________________________

CVV Security Code __________ (3-digit # in signature box on the back of VISA/MC/Discover or 4-digit # on front of AMEX card above the card #).

Card Billing Address __________________________ Card Billing Zip __________________________

Signature __________________________ Printed Name on Card __________________________

Refund Policy: 50% refund through 9/7/11; no refunds after 9/7/11. Refund will be determined by date written cancellation is received.

If you do not receive a confirmation letter from the COS within 30 days of submitting your registration, please call the office at 804-565-6366 or email: cos@societyhq.com to confirm that your registration material has been received.
Clinical Orthopaedic Society
2209 Dickens Road
Richmond, VA 23230-2005

CLINICAL ORTHOPAEDIC SOCIETY

99th Annual Meeting

September 29 - October 1, 2011 • Francis Marion Hotel • Charleston, SC

Featuring
LIVE PATIENT PRESENTATIONS

For up-to-date program and registration information, please visit www.cosociety.org