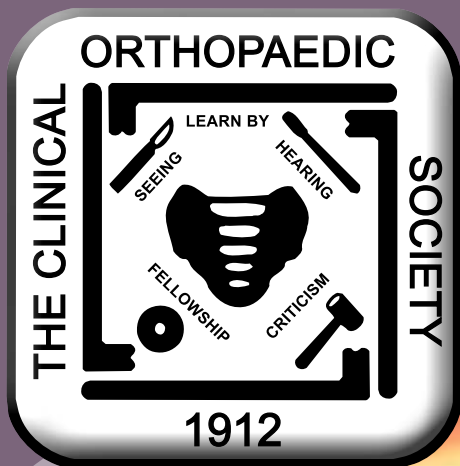


CLINICAL ORTHOPAEDIC SOCIETY

98th Annual Meeting



A joint meeting with the
Colorado Orthopaedic Society



September 23 - 25, 2010

The Ritz-Carlton Hotel • Denver, Colorado

CLINICAL ORTHOPAEDIC SOCIETY

2010



CLINICAL ORTHOPAEDIC SOCIETY

2009 - 2010
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The 98th Annual Meeting
is a Joint Meeting with the
Colorado Orthopaedic Society



Clinical Orthopaedic Society
2209 Dickens Road • Richmond, VA 23230-2005
(804) 565-6366 • FAX: (804) 282-0090
E-mail: cos@societyhq.com • www.cosociety.org

A Message from the President of the Clinical Orthopaedic Society

Welcome to the 98th Annual Meeting of the Clinical Orthopaedic Society. I wish to extend a warm welcome to the visiting Regional Society Presidents and the President and members of the Colorado Orthopaedic Society. I wish to thank our industry sponsors without whom this meeting would not be possible.

Our Program Chair, Dr. Steve Morgan, along with his section chairs, have put together an outstanding program including sections on Trauma, Hand, Adult Reconstruction, Sports and Arthroscopy, Pediatric Orthopaedics and a special section on patient safety. We have three nationally recognized guest speakers including Dr. Michael Bosse, Dr. Peter Stern and Dr. Lewis Zirkle.

The Ritz-Carlton is a beautiful hotel near the LoDo area of Denver that contains numerous shops and restaurants. It is 0.6 of a mile from Coors Field, the home of the Colorado Rockies baseball team. We have a limited number of tickets for the Colorado Rockies baseball game on Friday, September 24. In addition, the King Tut exhibit will be available to meeting participants at a discounted rate.

I hope you all have a fun, enjoyable and educational experience.



Frederick N. Meyer, MD
President
Clinical Orthopaedic Society

A Message from the President of the Colorado Orthopaedic Society

Welcome, Clinical Orthopaedic Society!

We share more than our initials. We are most excited to host the Clinical Orthopaedic Society's Annual Meeting. We recognize the importance of education and professional interaction, and we applaud your efforts to stay up on our rapidly changing field.

We also hope you have a chance to enjoy Colorado. Although we cannot guarantee perfect weather, we will do our best to live up to our reputation as the "climate capital of the world." Remember your sun screen as you plan your golf, biking or fishing outings. Finally, if I or any of my Colorado Orthopaedic Society colleagues can do anything to enhance your stay, please don't hesitate to ask.

We look forward to seeing you.



Ted J. Clarke, MD
President
Colorado Orthopaedic Society

Hotel Reservations

The Ritz-Carlton Hotel
1881 Curtis Street
Denver, Colorado
303-312-3800

Please visit the COS website, www.cosociety.org, to make your hotel reservation. Please use the code **COBCOBA** when making reservations either by phone or online to receive the special discounted rate of \$250.00 plus tax for a single/double room. Cut-off date is **August 23, 2010**.

SuperShuttle Services

Please visit the COS website, www.cosociety.org, for discount shuttle service from the airport to the hotel. Use the special code 786SR. Roundtrip: \$32.00.

Faculty

Animesh Agarwal, MD

Professor and Chief
Division of Orthopaedic Trauma
University of Texas Health Science
Center at San Antonio
San Antonio, TX

Michael J. Bosse, MD

Director, Clinical Research and
Orthopaedic Traumatologist
Carolinas Medical Center
Charlotte, NC

Carlton M. Clinkscales, MD

Associate Clinical Professor
University of Colorado - Denver
Hand Surgery Associates
Centennial, CO

Hal S. Crane, MD

Orthopaedic Associates
Denver, CO

Michael R. Dayton, MD

Residency Program Director
Associate Professor
Department of Orthopaedics
University of Colorado School of Medicine
Aurora, CO

Thomas J. Ellis, MD

Associate Professor
Vice Chair, Department of Orthopaedics
Ohio State University Medical Center
Columbus, OH

Wayne K. Gersoff, MD

Clinical Instructor
University of Colorado Health Sciences Center
Denver, CO

David Hak, MD, MBA

Associate Professor
University of Colorado School of Medicine
Denver Health Medical Center
Denver, CO

Charles Hamlin, MD

Hand Surgery Associates
Assistant Clinical Professor
University of Colorado School of Medicine
Denver, CO

Armodios Hatzidakis, MD

Western Orthopaedics, PC
Denver, CO

Travis C. Heare, MD

Associate Professor
University of Colorado School of Medicine
The Children's Hospital, Auschutz Medical Campus
Aurora, CO

Keith Kenter, MD

Associate Professor
Resident Program Director
University of Cincinnati
Cincinnati, OH

Kirk Kindsfater, MD

Orthopaedic Center of the Rockies
Fort Collins, CO

Jarrod T. King, MD

Denver Health Medical Center
Denver, CO

Robert F. LaPrade, MD, PhD

Adjunct Professor
University of Minnesota
The Steadman Clinic
Vail, CO

Eric McCarty, MD

Chief of Sports Medicine and Shoulder Surgery
Department of Orthopaedics
University of Colorado School of Medicine
Denver, CO

Kendra Moldenhauer, RN

Director of Patient Safety, Quality and
Regulatory Compliance
Denver Health Medical Center
Denver, CO

Steven J. Morgan, MD, FACS

Professor
University of Colorado School of Medicine
Associate Director of Orthopaedics
Denver Health Medical Center
Denver, CO

Steven R. Myers, MD

Colorado Springs Orthopaedic Group
Colorado Springs, CO

Kagan Ozer, MD

Chief of Hand and Microsurgery
Denver Health
Associate Professor of Orthopaedics
University of Colorado School of Medicine
Denver, CO

John D. Polousky, MD

Surgical Director of Sports
Rocky Mountain Youth Sports Medicine
Centennial, CO

Kavi Sachar, MD

Hand Surgery Associates
Denver, CO

Frank A. Scott, MD

Associate Professor
Director, Hand Fellowship
University of Colorado School of Medicine
Department of Orthopaedics
Aurora, CO

Theodore Schlegel, MD

Clinical Assistant Professor
Department of Orthopaedics
University of Colorado School of Medicine
Steadman Hawkins Clinic
Denver, CO

John Schwappach, MD

Medical Director, Clinical Research
Colorado Orthopaedic Consultants, PC
Aurora, CO

Ernest L. Sink, MD

Director of Hip Program
The Children's Hospital
Associate Professor, Department of Orthopaedics
University of Colorado School of Medicine
Denver, CO

Philip Stahel, MD

Director, Department of Orthopaedic Surgery
Denver Health Medical Center
Denver, CO

Peter J. Stern, MD

Professor and Chairman
Department of Orthopaedic Surgery
University of Cincinnati College of Medicine
Cincinnati, OH

Jeffrey Varnell, MD

Physician Risk Manager
Copic Insurance Companies
Denver, CO

Michael S. Victoroff, MD

Associate Clinical Professor
Department of Family Medicine
University of Colorado School of Medicine
Centennial, CO

Armando F. Vidal, MD

Assistant Professor
Department of Orthopaedics
University of Colorado School of Medicine
Denver, CO

Leslie B. Vidal, MD

Orthopaedic Associates
Denver, CO

Jerome T. Wiedel, MD

Professor of Joint Reconstruction
Department of Orthopaedics
University of Colorado School of Medicine
Aurora, CO

Brian J. White, MD

Western Orthopaedics
Denver, CO

Jennifer M. Wolf, MD

Associate Professor
Department of Orthopaedic Surgery
University of Colorado School of Medicine
Aurora, CO

Lewis G. Zirkle, Jr., MD

Founder and President
Surgical Implant Generation Network
Richland, WA

Mission & Audience

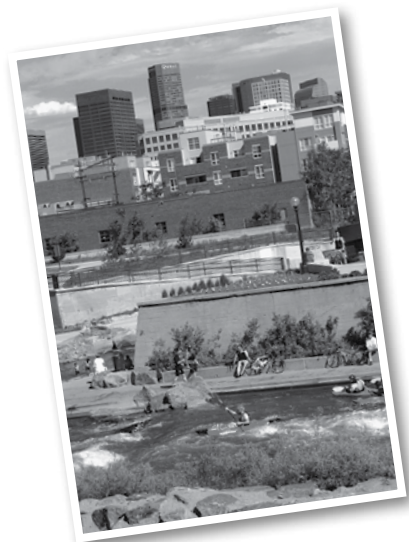
Meeting Mission Statement

The 2010 Annual Meeting of the Clinical Orthopaedic Society and the Colorado 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 2010 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.

In a special session, participants will learn Patient Safety in Orthopaedic Surgery. Another meeting highlight will feature live patient participation that will allow participants to view patient-physician interactions. This program is sponsored by the Clinical Orthopaedic Society and the Colorado 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 2010 Annual Meeting of the Clinical Orthopaedic Society and the Colorado Orthopaedic Society.



98th Annual Meeting Program

THURSDAY, SEPTEMBER 23, 2010

- 6:00 am – 7:00 am** Breakfast with Exhibitors
7:00 am – 7:15 am Welcome & Opening Remarks
Frederick N. Meyer, MD

7:15 AM – 12:00 PM ORTHOPAEDIC TRAUMA

Moderator: David Hak, MD

- 7:15 am – 7:35 am** Intramedullary Fixation of Proximal Humerus Fractures
Armodios Hatzidakis, MD
- 7:35 am – 8:10 am** The On-Call Coverage Crisis
Michael J. Bosse, MD
- 8:10 am – 8:45 am** Participant and Panel Discussion
Michael J. Bosse, MD; Steven J. Morgan, MD, FACS;
John Schwappach, MD
- 8:45 am – 9:20 am** DVT Prophylaxis – The Latest Chest Guidelines
Steven J. Morgan, MD, FACS
- 9:20 am – 9:50 am** Lessons Learned from the LEAP Study – Care of Severe Lower Limb Injuries
Michael J. Bosse, MD
- 9:50 am – 10:05 am** Trauma: Questions and Answers
- 10:05 am – 10:35 am** Break with Exhibitors
- 10:35 am – 11:20 am** Live Patient Presentations
John Schwappach, MD
- 11:20 am – 12:00 pm** Live Patient Presentations
Animesh Agarwal, MD
- 12:00 pm – 1:00 pm** Lunch Break

1:00 PM – 5:15 PM SPORTS & ARTHROSCOPY

Moderator: Eric McCarty, MD

- 1:00 pm – 1:15 pm** Exam of the Athletic Hip
Jarrod T. King, MD
- 1:15 pm – 1:30 pm** Athletic Groin/Hip Injuries: Diagnosis and Management
Brian J. White, MD
- 1:30 pm – 1:45 pm** Arthroscopic Advances in Treatment of Hip Pathology
Armando F. Vidal, MD
- 1:45 pm – 2:00 pm** Hip Cases: Questions & Answers
- 2:00 pm – 2:15 pm** Exam of the Athletic Knee
Robert F. Laprade, MD, PhD
- 2:15 pm – 2:30 pm** Approach to Articular Cartilage Injury in the Athlete
Wayne K. Gersoff, MD
- 2:30 pm – 2:45 pm** Posterolateral Knee Injuries: Diagnosis and Management
Robert F. Laprade, MD, PhD
- 2:45 pm – 3:00 pm** Graft Choices for ACL: Mini-debate
- Patella Tendon: Theodore Schlegel, MD
 - Allograft: Keith Kenter, MD
 - Hamstring: Eric McCarty, MD
- 3:00 pm – 3:15 pm** Knee Cases: Questions & Answers
- 3:15 pm – 3:45 pm** Break with Exhibitors
- 3:45 pm – 4:00 pm** Exam of the Painful Shoulder
Armodios Hatzidakis, MD

98th Annual Meeting Program

- 4:00 pm – 4:15 pm Slap Lesions: How to make the diagnosis and how to fix**
Keith Kenter, MD
- 4:15 pm – 4:30 pm Partial Rotator Cuff Tears: When to fix**
Leslie B. Vidal, MD
- 4:30 pm – 4:45 pm Rotator Cuff Fixation: Single row is good, but double row is better**
Theodore Schlegel, MD
- 4:45 pm – 5:00 pm Shoulder Arthroplasty in the Active Patient**
Armodios Hatzidakis, MD
- 5:00 pm – 5:30 pm Shoulder Cases: Questions & Answers**
- 6:30 pm – 7:30 pm President's Welcome Reception with Exhibitors**

FRIDAY, SEPTEMBER 24, 2010

- 6:00 am – 7:00 am Breakfast with Exhibitors**

7:00 AM – 10:10 AM HAND AND UPPER EXTREMITY

Moderator: Kagan Ozer, MD; Jennifer M. Wolf, MD

- 7:00 am – 7:20 am Pain After Dorsal Ganglion Excision - PIN Entrapment**
Kavi Sachar, MD
- 7:20 am – 7:40 am Management of TFCC Tears**
Carlton M. Clinkscales, MD
- 7:40 am – 8:00 am Current Practice in the Management of Slac Arthritis: PRC vs 4-Corner Fusion**
Peter J. Stern, MD
- 8:10 am – 8:40 am Panel Discussion: Management of Chronic Scapholunate Ligament Tear**
Peter J. Stern, MD; Kavi Sachar, MD; Carlton M. Clinkscales, MD; Charles Hamlin, MD
- 8:40 am – 9:00 am Evolution and the Thumb – Concepts**
Charles Hamlin, MD
- 9:00 am – 9:20 am Ulnar Nerve Compression and Management**
Frank A. Scott, MD
- 9:20 am – 9:40 am Elbow Injuries and Soft Tissue Loss**
Kagan Ozer, MD
- 9:40 am – 10:00 am Compartment/Crush Syndrome and Pathophysiology**
Kagan Ozer, MD
- 10:00 am – 10:10 am Hand and Upper Extremity: Questions and Answers**
- 10:10 am – 10:30 am Break with Exhibitors**

10:30 AM – 1:30 PM ARTHROPLASTY

Moderator - Michael R. Dayton, MD

- 10:30 am – 10:45 am Total Knee Arthroplasty Revision: Dealing with Bone Loss in the 21st Century**
Kirk Kindsfater, MD
- 10:45 am – 11:00 am Optimal TKA Outcomes: Performance vs. Patient Perception**
Michael R. Dayton, MD
- 11:00 am – 11:10 am Discussion**
- 11:10 am – 11:25 am Age and Activity Indications for Hip Preservation: Arthroscopic or Open?**
Thomas J. Ellis, 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.



King Tut at the Denver Art Museum

COS has procured a limited quantity of discounted tickets to the "Tutankhamun: The Golden King and the Great Pharaohs" exhibit at the Denver Art Museum. Get your discounted tickets through Ticketmaster at www.ticketmaster.com/tutcos!

Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Clinical Orthopaedic Society.

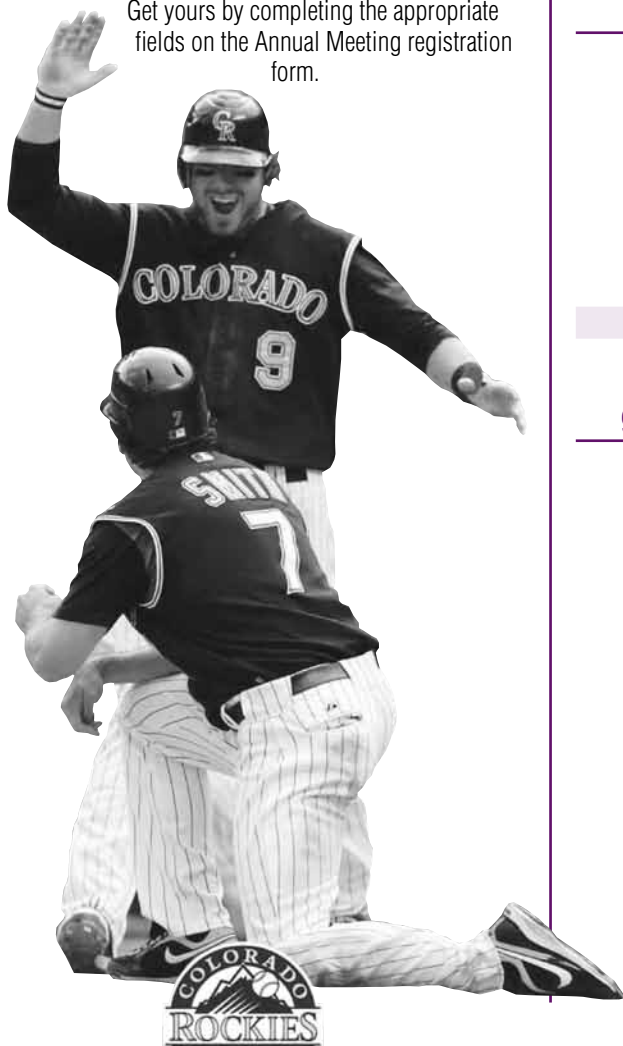
The American Academy of Orthopaedic Surgeons is accredited by the ACCME to sponsor continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 21.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Get your Rockies tickets!

Attendees at the Annual Meeting in Denver have the opportunity to purchase discounted tickets to the Colorado Rockies game on Friday, September 24 against the San Francisco Giants.

Get yours by completing the appropriate fields on the Annual Meeting registration form.



98th Annual Meeting Program

- 11:25 am – 11:40 am Pre-Arthritic Hip: Too Old for PAO or Too Young for TJA?**
Ernest L. Sink, MD
- 11:40 am – 11:55 am Hip Resurfacing: Is Third Generation Really Enough?**
Michael R. Dayton, MD
- 11:55 am – 12:15 pm Live Patient Presentation**
- 12:15 – 12:45 pm Lunch Break**
- 12:45 pm – 1:00 pm Clinical Benefits of Posterior THA: Point – Counterpoint**
Steven R. Myers, MD
- 1:00 pm – 1:15 pm Clinical Benefits of Posterior THA: Point – Counterpoint**
Hal S. Crane, MD
- 1:15 pm – 1:30 pm Discussion**
- 1:30 pm – 2:00 pm Large Joint Care in the Hemophiliac: A Multi-Decade Perspective**
Jerome T. Wiedel, MD
- 2:00 pm – 2:30 pm Dr. and Mrs. J. Elmer Nix Ethics Award Presentation**
Lewis G. Zirkle, Jr., MD, Honoree
- 6:10 pm Colorado Rockies Baseball Game vs. San Francisco Giants**
Tickets are limited @ \$47.00 each

SATURDAY, SEPTEMBER 25, 2010

- 6:30 am – 7:00 am Continental Breakfast**

7:00 AM – 9:15 AM PEDIATRICS

Moderator: Ernest L. Sink, MD

- 7:00 am – 7:35 am ACL Reconstruction in the Skeletally Immature**
John D. Polousky, MD
- 7:30 am – 8:05 am Life After Tumor Resection for Pediatric Patients**
Travis C. Heare, MD
- 8:05 am – 8:35 am Femoral Acetabular Impingement in Adolescents**
Ernest L. Sink, MD

- 8:35 am – 9:15 am Live Patient Presentation**

- 9:15 am – 9:30 am Break**

9:30 AM – 12:00 PM PATIENT SAFETY IN ORTHOPAEDIC SURGERY

Moderator: Philip Stahel, MD

- 9:30 am – 10:00 am Wrong Site Surgery in Orthopaedics: Fact Or Fiction?**
Philip Stahel, MD
- 10:00 am – 10:30 am Liability Risks of Electronic Medical Records**
Michael S. Victoroff, MD
- 10:30 am – 11:00 am Patient Safety in 2010 – An Update**
Kendra Moldenhauer, RN
- 11:00 am – 11:30 am Orthopaedic Surgery Risks: The Difference Between Avoiding Lawsuits and Protecting Your Patients**
Jeffrey Varnell, MD
- 11:30 am – 12:00 pm Questions and Answers**
- 12:00 pm – 12:15 pm Presidential Address**
Frederick N. Meyer, MD
- 12:15 pm – 12:20 pm OREF**
- 12:20 pm – 1:30 pm Resident Papers**
- 1:30 pm Meeting Concludes**



A JOINT MEETING

CLINICAL ORTHOPAEDIC SOCIETY
COLORADO ORTHOPAEDIC SOCIETY



MEETING REGISTRATION FORM

If paying by check, please make check payable to **COS** and mail to: 2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 565-6366; Fax: (804) 282-0090

PLEASE PRINT OR TYPE

Name _____ MD PhD DO
 _____ CRNA Other: _____
 Last First MI
 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 Live Patient Case Presentations.** All fees help to cover meeting expenses. Please complete all areas on this form. All fees are per person.

Check all that apply	Through 8/9/10	After 8/9/10	
<input type="checkbox"/> Clinical Orthopaedic Society Member	\$575	\$675	= \$ _____
<input type="checkbox"/> Colorado Orthopaedic Society Member	\$575	\$675	= \$ _____
<input type="checkbox"/> Non-Member - US & Canada	\$675	\$775	= \$ _____
<input type="checkbox"/> One day registration <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday	\$225	\$275	= \$ _____
<input type="checkbox"/> Emeritus	\$295	\$295	= \$ _____
<input type="checkbox"/> First Year Member	\$295	\$295	= \$ _____
<input type="checkbox"/> Candidate Member	\$295	\$295	= \$ _____
<input type="checkbox"/> Physician Assistant	\$495	\$595	= \$ _____
<input type="checkbox"/> Orthopaedic Resident*	Fee waived	Fee waived	= \$ _____
<input type="checkbox"/> Spouse/Guest(s) # _____	\$75 each	\$100 each	= \$ _____

Name: _____ E-Mail: _____

Fee includes Welcome Reception & three Continental Breakfasts

Colorado Rockies tickets (vs. San Francisco Giants, Friday, Sept. 24, 6:10 pm) **LIMITED!** Infield box seats @\$47 per ticket. No. of tickets _____ = \$ _____

I plan to attend the Welcome Reception

* 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)

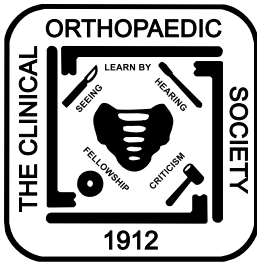
- Personal Check VISA MasterCard American Express

Card No. _____ Exp. Date _____

Signature _____ Printed Name on Card _____

Refund Policy: 50% refund through 8/9/2010; no refunds after 8/9/2010. 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.

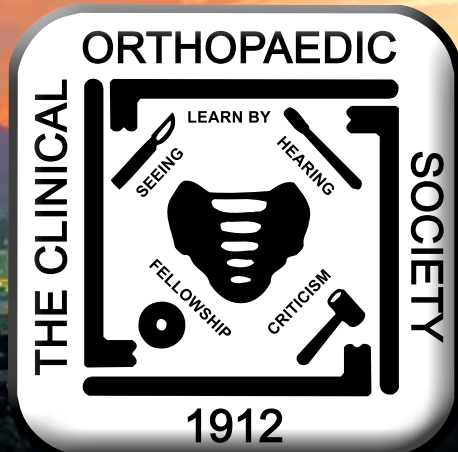


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For up-to-date program information
and registration details, please visit
www.cosociety.org

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