

2016 NCOA ANNUAL MEETING

NORTH CAROLINA ORTHOPAEDIC ASSOCIATION

October 7-9, 2016 | The Pinehurst Resort, Village of Pinehurst, NC
6 Hours of CME!

Featured Speakers:

William Ward, MD, Chairman, Orthopaedic Advisory Council,
American College of Surgeons

David Halsey, MD, AAOS Second Vice-President

This continuing medical education activity is jointly provided by the North Carolina Orthopaedic Association and the Southern Regional Area Health Education Center.

TARGET AUDIENCE AND PURPOSE

The NCOA Annual Meeting is designed as an opportunity for orthopaedic surgeons to exchange expertise and novel ideas, and to advance the practice of orthopaedics to improve care for the citizens of North Carolina.

OBJECTIVES

At the conclusion of this educational activity participants should be able to:

- Discuss the current state of the opioid epidemic nationally and in North Carolina and strategies to minimize narcotic usage and recognize signs of prescription drug abuse.
- Discuss the current updates from the American Academy of Orthopaedic Surgeons (AAOS).
- Review and compare the treatment and outcomes of periprosthetic joint infections.

CREDIT STATEMENT

The Southern Regional AHEC designates this live activity for a maximum of 6.0 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACCREDITATION

This activity has been planned and implemented in accordance with the Essentials and Standards of the North Carolina Medical Society through the joint providership of the Southern Regional AHEC and the North Carolina Orthopaedic Association. The Southern Regional AHEC is accredited by the North Carolina Medical Society to provide continuing medical education for physicians.

ADDITIONAL CREDIT

Other health professionals will receive Southern Regional AHEC CEU and/or contact hours and a certificate of attendance from an *AMA PRA Category 1 Credit*[™] activity. These certificates are accepted by the NC boards for physician assistants, nurse practitioners, and nurses. License requirements are subject to change. Southern Regional AHEC recommends that participants contact their licensing boards with specific questions. Southern Regional AHEC will provide 0.6 Continuing Education Units (6.0 contact hours) to participants upon completion of this activity.

DISCLOSURE STATEMENT

The Southern Regional AHEC adheres to ACCME Essential Areas and Policies regarding industry support of continuing medical education. Disclosure of faculty/planning committee members and commercial relationships will be made known at the activity. Speakers are also expected to openly disclose a discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.

AMERICANS WITH DISABILITIES ACT

The NCOA is fully committed to the principle of equal educational opportunities for all individuals and does not discriminate on the basis of any characteristics protected by federal or state law. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to participate in this conference, please call Nancy Lowe at the NCOA office at (919) 833-3836 no later than ten business days before the date of the activity.

PRESIDENTIAL SPEAKER

This year's Presidential Speaker **William Ward, MD** will give an update on *Seeking Eudaimonia: Perspectives on an Orthopaedic Journey in the Modern Healthcare System* on Saturday morning. Dr. Ward received his B.S. in Chemistry from UNC Chapel Hill and his M.D. from Duke. He completed a Sports Medicine fellowship at the Cleveland Clinic and an Orthopaedic Oncology fellowship at UCLA. Dr. Ward earned a certificate degree in Health Care Administration and a Masters Degree in Health Care Administration from Kings College in Wilkes Barre, PA. Dr. Ward is currently the Chief, Musculoskeletal Service Line at Novant Health - Greater Winston-Salem Market; lead physician at Novant Health Orthopedics & Sports Medicine; and Professor Emeritus of Orthopaedic Surgery, Division of Surgical Sciences, at Wake Forest University Baptist Medical Center. He is a Past President of the North American Musculoskeletal Tumor Society (MSTS) and a former member of the Medical Board of Trustees of the Musculoskeletal Transplant Foundation. He is currently Chairman of the Orthopedic Advisory Council of the American College of Surgeons.

MEETING FEATURES

This year's Annual Meeting will include several activities beyond the Scientific Sessions for your enjoyment. The Exhibit Hall will complement the educational component of the meeting and provide you information on products and services of interest. Friday evening will feature a Welcome Reception providing an opportunity to renew acquaintances and meet new colleagues. Saturday begins with an AAOS Update by **David Halsey, MD**, the legislative update, and presidential lecture, followed by your choice of "Hand" or "Adult Reconstruction/Hip & Knee" breakout sessions. A second set of breakout sessions follows, with your choice of "Spine/Tumor/Basic Science" or "Shoulder & Elbow." The optional golf tournament and tennis round robin are planned for Saturday afternoon, or you are free to enjoy the Pinehurst area's many other activities. The golf tournament will be on Pinehurst's newest course, #9, at a special introductory rate of just \$110. Back by popular demand, this year's Saturday evening event will be a casual, family-friendly buffet dinner, featuring the presentation of the Honored Surgeon Award (see page 5) and a DJ providing musical entertainment. The Sunday scientific session will begin with a timely Opioid Prescribing presentation, followed by your choice of "Trauma/Foot & Ankle/Hand" or "General Ortho/Practice Management" breakout sessions, followed by "Adult Reconstruction/Hip & Knee" or "Sports Medicine" breakout sessions. We will reconvene to conclude with the presentation of resident paper awards. Pre-registration is required for all activities.

RESORT FEATURES AND ACCOMMODATIONS

The historic four-star, four-diamond rated Pinehurst Resort, nestled in the Sandhills of North Carolina, is world renowned for its impeccable golf facilities and a Village Center full of New England charm. Amenities of the resort include nine world-class golf courses, tennis, croquet and lawn bowling, and spa. Pinehurst's KidsClub is available on Saturdays; call (910) 235-8415 for information. The NCOA has a block of rooms at the special rate of \$240 per night plus taxes and 10% resort fee. The resort fee covers onsite shuttle transportation, valet and self parking, afternoon tea, use of the fitness center and bicycles, practice putting green and driving range. To secure your accommodations, please call Reservations at (877) 624-5943. Please note the resort does have a 30-day cancellation policy. The cut-off date to make reservations is September 6, so you are urged to make your reservation promptly.

MEETING REGISTRATION

The registration fee for NCOA members is \$100 for this event; the fee covers the welcome reception, two continental breakfasts and breaks, and all sessions and CME certificate. The registration fee is \$350 for non-member physicians, complimentary for resident physicians and medical students, and \$125 for allied health professionals. There are additional fees for the optional Saturday dinner and group recreational activities. You may register online by going to <http://www.cvent.com/d/8fq61x>, or you may complete the form in this brochure and return it with payment prior to September 9. Registrations received after that date will be charged a higher fee.

REGISTRATION CANCELLATION

Please note that refunds of registration fees will not be issued after September 30. Refunds, less \$25, will be made for cancellations received prior to that date. No-shows will be billed.

QUESTIONS

If you have any questions about the 2016 Annual Meeting, or need assistance, please call the NCOA at (800) 722-1350 (NC only) or (919) 833-3836.



NC SOCIETY FOR SURGERY OF THE HAND TO MEET

The NCSSH will meet at the Pinehurst Resort on Friday, October 7, from 7:00am until 6:00pm, with an optional dinner from 7:30-9:30pm.

The keynote speaker is **Robert Spinner, MD**, Professor of Orthopaedics at the Mayo Clinic. All NCOA members are invited to attend one of the Friday morning labs at no cost. Contact NCSSH President **Mark Warburton, MD** at (336) 687-2561 or mark.warburton@unchealth.unc.edu to register or for more information.

FRIDAY, OCTOBER 7

4:00pm-7:00pm Registration
 6:00pm-7:30pm Welcome Reception

Dinner on your own. Advance reservations are recommended for the Carolina Dining Room and other dining outlets .

SATURDAY, OCTOBER 8

7:00am-12:00pm Registration
 7:00am-8:00am Continental Breakfast / Networking Hub
 8:00am-9:30am General Session
 8:00am Welcome and Introductions: Matt Olin, MD, President, and Bryan Springer, MD, Program Chair
 8:05am AAOS Update: David Halsey, MD
 8:35am Legislative Update: Connie Wilson
 9:00am Presidential Lecture: Seeking Eudaimonia: Perspectives on an Orthopaedic Journey in the Modern Healthcare System: William Ward, MD
 9:30am Break / Networking Hub
 10:00am Move to Breakout Sessions
 10:05am-12:25pm Breakout Sessions

HAND BREAKOUT SESSION

10:05am A Novel Muscle Transfer for Independent Digital Control with Myoelectric Prosthesis: Bryan Loeffler, MD
 10:10am Percutaneous Treatment of Unstable Scaphoid Wrist Fractures: Andrew Matson, MD (Resident)
 10:15am Anatomy of the Proximal Phalanx: Implications for Screw Length Selection for Fixation of Shaft Fractures: P. Barrett Honeycutt (Student)
 10:20am Union Rate of Navicular Stress Fractures Treated with Vascularized Bone Graft: James Nunley, MD
 10:25am Discussion
 10:35am Lymphedema following Elective Hand and Wrist Surgery in Women who are Post Axillary Lymph Node Dissection: A Prospective, Cohort Study: Bryan Loeffler, MD
 10:40am The Effect of Intraoperative Glove Choice on Carpal Tunnel Pressure: Hannah Dineen, MD (Resident)
 10:45am Nerve Wrap: When, What, How and Why? Zhongyu Li, MD, PhD
 10:50am How to Cut a Nerve: Morphological Implications of Instruments Utilized in the Preparation of Lacerated Nerve Endings for Primary Repair: Edward Jernigan, MD (Resident)
 10:55am Discussion

ADULT RECONSTRUCTION/HIP & KNEE BREAKOUT SESSION

10:05am I&D with Subsequent Resection vs. Initial Resection for Treatment of Periprosthetic Hip Arthroplasty Infection: Joseph Kavolus, MD (Resident)
 10:10am Reduction of Early Periprosthetic Joint Infection after Total Hip Arthroplasty with the Use of Intrawound Vancomycin Powder: Brian Dial, MD (Resident)
 10:15am Comparing Outcomes of Metal-on-Metal ASR to Pinnacle/Ultamet Total Hip Arthroplasty: Daniel Goltz, BS (Student)
 10:20am Influence of Vitamin D Levels on Revision and Complication Rates following Total Joint Arthroplasty: Johannes F. Plate, MD (Resident)
 10:25am Discussion
 10:35am Factors Associated with Range of Motion Recovery following Manipulation under Anesthesia: Johannes F. Plate, MD (Resident)
 10:40am Risk Factor Combinations for Stiffness after Total Knee Arthroplasty: Perez Agaba (Student)
 10:45am Adductor Canal Catheter Improves Pain and Mobility after Primary TKA: Mitchell Klement, MD (Resident)
 10:50am Optimizing the Healthcare Experience for Patients Undergoing Total Knee Arthroplasty: Carolyn Hutyra, BS (Orthopaedic Research Aide)
 10:55am Discussion

SATURDAY [CONTINUED]

11:05am Break / Networking Hub

SPINE/TUMOR/BASIC SCIENCE BREAKOUT SESSION

11:20am Seated Postural Differences between Children with and without Adolescent Idiopathic Scoliosis: A Pilot Study: Michael De Gregorio, PhD

11:25am Percutaneous Delivery of Stem Cell Treatment in a Novel Rabbit Model of Disc Degeneration: T. David Luo, MD (Resident)

11:35am African-American Race is Associated with Increased Autologous Blood Transfusion in Pediatric Scoliosis Surgery: Kwadwo A. Owusu-Akyaw, MD (Resident)

11:40am Reoperation Rates following Open Door Cervical Laminoplasty: John Rodriguez-Feo, MD (Resident)

11:45am Discussion

11:55am The Use of Local Medications to Improve Osseointegration of Titanium Implants in a Rat Distal Femur Model: Sam AbuMoussa (Student)

12:00pm Effect of Surface Textures on Mechanical Strength of the Skin-Implant Interface: Christopher Lindsay, BS (Student)

12:05pm Effect of Nerve-Cutting Technique on Nerve Microstructure and Neuroma Formation: Wayne A. Rummings (Student)

12:10pm The MSKCC Extremity Sarcoma Local Recurrence Risk Nomogram: Does it "Work" in the Community Setting? Bryan Bean, MD (Resident)

12:15pm Discussion

SHOULDER & ELBOW BREAKOUT SESSION

11:20am Fatty Infiltration of the Rotator Cuff Musculature in Patients without Rotator Cuff Tears: Andrew Matson, MD (Resident)

11:25am Efficacy of First Time Anterior Shoulder Dislocation Decision Tool: Stephen Smiley (Student)

11:30am Intramedullary Fixation for Displaced Clavicle Fractures in the Adolescent Athlete: Gabriella E. Ode, MD (Resident)

11:35am Discussion

11:45am Pain after Total Shoulder Arthroplasty with Injectable Liposomal Bupivacaine vs. Interscalene Block: Marc Angerame, MD (Resident)

11:50am The Incidence of PTSD and Depression in Adults with Operatively Treated Traumatic Brachial Plexus Palsy: Bryan Loeffler, MD

11:55am Intraoperative Factors to Improve Radial Nerve Excursion at the Brachium: A Cadaveric Study: Wayne Chen, MD (Resident)

12:00pm Discussion

12:25pm Breakout Sessions Adjourn

Free afternoon.

1:00pm Golf Outing on Pinehurst #9 (Pre-registration required; boxed lunch included)

2:00pm Tennis Round Robin (Pre-registration required; beverages included)

6:30pm-10:00pm Family-Friendly Buffet Dinner and Entertainment (Pre-registration required)

Presentation of Honored Surgeon Award

MEETING SCHEDULE

HONORED SURGEON AWARD TO BE PRESENTED

The NCOA will present this year's Honored Surgeon Award to the family of the late William "Bill" Hardaker, Jr., MD, who chaired Duke's orthopaedic residency program until his untimely death in December 2015. Dr. Hardaker recruited and trained over 250 orthopaedic residents in his tenure; his unwavering dedication to the program earned him the nickname "The Rock." He served as team physician for Duke football, lacrosse and basketball, as well as two local high school football teams. He was an active participant in Pediatric Outreach Clinics throughout North Carolina.



SUNDAY, OCTOBER 9

7:00am-10:30am	Registration
7:00am-8:00am	Continental Breakfast / Networking Hub
8:00am-9:05am	General Session
8:00am	Welcome and Announcements: Matt Olin, MD, President
8:05am	Business Meeting (no credit will be awarded)
8:35am	Opioid Prescribing in the Orthopaedic Trauma Patient: Michael LeCroy, Jr., MD
9:05am	Break / Networking Hub
9:35am	Move to Breakout Sessions
9:40am-12:00pm	Breakout Sessions

TRAUMA/FOOT & ANKLE/HAND BREAKOUT SESSION

9:40am	A Biomechanical Comparison of Intrapelvic and Extrapelvic Fixation for Associated Acetabular Fractures of the Quadrilateral Plate: Sharon N. Babcock, MD (Resident)
9:45am	Can Evidence-Based Guidelines Decrease Unnecessary Echocardiograms for Pre-Operative Evaluation of Hip Fracture Patients? Chris Adair, MD (Resident)
9:50am	Risk Factors for 30-day Readmission following Operative Management of Geriatric Hip Fractures: Austin Stone, MD, PhD (Resident)
9:55am	Higher Rate of Tibial Osteomyelitis in Patients Treated with Skeletal Verses and Skin Traction for Treatment and Initial Management of Closed Femoral Fractures in an Elderly Population: A Retrospective Cohort Study: Katie Dederer, MD (Resident)
10:00am	Discussion
10:10am	Eliciting Patient Preferences on Treatment of an Achilles Tendon Rupture: Carolyn Hutyra, BS (Orthopaedic Research Aide)
10:15am	Mopeds: The Cost of Cheap and Unregulated Transportation for Negligent Drivers: Gabriella E. Ode, MD (Resident)
10:20am	Infection Rates in Open Hand Fractures: Can Treatment be Delayed? Paulvalery Roulette, MD
10:25am	High Pressure Water Injection Injuries to the Hand: Perhaps Not a Benign Injury: Bryan Loeffler, MD
10:30am	Discussion

GENERAL ORTHO/PRACTICE MANAGEMENT BREAKOUT SESSION

9:40am	Allopathic Medical Education in North Carolina: The Impact of an Educator and a Rough Rider: L. Andrew Koman, MD
9:45am	Trainees Learn to Value Intellectual Factors when Choosing an Orthopaedic Surgery Subspecialty: Andrew Matson, MD (Resident)
9:50am	Intellectual Stimulation and Other Self Reported Factors Influencing Fellowship Choices: What Drives Orthopaedic Surgery Residents? Joseph Kavolus, MD (Resident)
9:55am	Optimal Settings for Intraoperative Video Capture Utilizing a Head-Mounted GoPro HERO Camera: Matthew Avery, MD (Resident)
10:00am	Discussion
10:10am	Gender Preferences of Patients When Selecting Orthopaedic Providers: Hannah Dineen, MD (Resident)
10:15am	Electronic Medical Record Implementation Results in Less Efficient Delivery of Care: Daniel Scott, MD, MBA (Resident)
10:20am	Bundled Payments for Care Improvement (BPCI): Boom or Bust? Brian Curtin, MD
10:25am	Discussion
10:40am	Break / Networking Hub

SUNDAY [CONTINUED]

ADULT RECONSTRUCTION/HIP & KNEE BREAKOUT SESSION

- 11:00am A Retrospective Analysis of the Merits and Challenges Associated with Simultaneous Bilateral THA using the Direct Anterior Approach: Matthew L. Brown, MD (Resident)
- 11:05am Early Failure of Primary Total Hip Arthroplasty: Is Surgical Approach a Risk Factor? Marc Angerame, MD (Resident)
- 11:10am Morbidity and Mortality in Elective THA following SCIP Guidelines: Thomas Bradford Bemenderfer, MD, MBA (Resident)
- 11:15am Pre-Operative Risk Factors in Total Hip and Knee Arthroplasty Predictive of Resource Deficit: Vasili Karas, MD, MS (Resident)
- 11:20am Discussion
- 11:30am Pressure Pain Thresholds and Short Term Arthroplasty Outcomes: Brian T. Nickel, MD (Resident)
- 11:35am Incidence and Comparative In-Hospital Outcomes of Periprosthetic Fracture: ORIF vs. Revision Total Joint Surgery: Bryce A. Van Doren, MPA, MPH (Student)
- 11:40am Ambulatory Status following Operative Treatment of Periprosthetic Distal Femur Fractures: John Ruder, MD (Resident)
- 11:45am Early Femoral Condyle Fractures after Primary Total Knee Arthroplasty: George Vestermark, MD (Resident)
- 11:50am Discussion

SPORTS MEDICINE BREAKOUT SESSION

- 11:00am Comparison of Hip Electromyographic Patterns During Overground vs. Treadmill Gait in Healthy Females: Ian Al'Khafaji, MD
- 11:05am Hip Injection More Cost-effective than Advanced Imaging for Diagnosis of Symptomatic FAI: Chinmay Paranjape (Student)
- 11:10am Prospective, Comparative Trial of Continuous Passive Motion Use after Hip Arthroscopy for Symptomatic Femoroacetabular Impingement: Do Patients Benefit? Daniel Cunningham (Student)
- 11:15am Atlantic Coast Conference Mandatory College Football Medical Observer: A Necessary Addition to the Preexisting Medical Team? James R. Bailey, MD
- 11:20am Discussion
- 11:30am Effects of Tissue Culture on the Biomechanical Properties of Meniscus Explants: Justin Hicks (Student)
- 11:35am Cortical Button Suspensory Fixation: A Better Patellar Tendon Repair? Gabriella E. Ode, MD (Resident)
- 11:40am Comparison of Male vs. Female Knee Kinematics during Anterior Cruciate Ligament Injury: Kwadwo A. Owusu-Akyaw, MD (Resident)
- 11:45am The Mechanical Load of the Fastball vs. Off-Speed Pitches in Collegiate Pitchers: Barrett Little, MD (Resident)
- 11:50am Discussion
- 12:00pm Return to General Session
- 12:15pm Presentation of Resident/Student Awards and Closing Remarks (Matt Olin, MD)
- 12:30pm Meeting Adjourns

NCOA
PO Box 27167
Raleigh, NC 27611

Return service requested

2016 NCOA ANNUAL MEETING



October 7-9, 2016 | The Pinehurst Resort, Village of Pinehurst, NC

MEETING REGISTRATION FORM

October 7-9, 2016 • The Pinehurst Resort • Village of Pinehurst, NC

Register securely online! Go to <http://www.cvent.com/d/8fq61x>

1. PERSONAL INFORMATION (Please print)

Complete this registration form (one per person) and return by fax or mail with payment due.

Name: _____ Last Four Digits of SSN (for CME): _____

Practice Name: _____

Address: _____

City/State/Zip: _____

Phone: () _____ Fax: () _____

E-Mail: _____

Home Address: _____

Home City/State/Zip: _____

Preferred Name For Badge: _____ Spouse/Guest, if attending: _____

Child(ren)'s Name(s) and Age(s), if attending: _____

Emergency Contact: (Name) _____ (Phone) _____

Accessibility Needs/Dietary Restrictions: _____

2. REGISTRATION FEES (To qualify for member rate, 2016 dues must be current.)

	Prior to 9/9	After 9/9
Member Physician	\$100.....	\$150
Non-Member Physician.....	\$350.....	\$400
Allied Health Professional.....	\$125.....	\$175
Resident Physician	\$0.....	\$0
Medical Student.....	\$0.....	\$0

Presentations will be available for download online prior to the meeting date. If you prefer to have a printed, paper copy of the lecture handouts, you may purchase a paper syllabus for \$25; check here to order a paper syllabus. Additional syllabi will not be available at the meeting.

_____ Printed Syllabus @ \$25

• • • Registration Fee Total \$ _____

3. ACTIVITIES (To ensure we have adequate food and seating for everyone, please indicate number attending.)

- _____ Friday Evening Welcome Reception
- _____ Saturday Golf Tournament on Pinehurst #9 (includes boxed lunch, beverages and prizes) @ \$110
Handicap: _____ or Average Score: _____ (required for tournament play)
Preferred Pairing: _____
- _____ Saturday Tennis Round Robin (includes beverages) @ \$30
- _____ Saturday Dinner/Entertainment @ \$75 per adult (\$50 for residents/medical students and their guests)
- _____ Saturday Dinner/Entertainment @ \$25 per child 4-12 / _____ @ \$0 per child under 4

• • • Activity Fees Total \$ _____

4. TOTAL FEES (Total of sections 2-3, including \$25 for paper syllabus) (No refunds after September 30.)

Enclosed is check # _____ for \$ _____ payable to NCOA OR Credit Card Type: Visa _____ MasterCard _____

Name as it appears on Credit Card: _____

Account #: _____ - _____ - _____ Expiration Date: _____ CVV#: _____

Billing Address: _____

City/State/Zip: _____

Please register online, or mail or fax this form to:
NCOA, PO Box 27167, Raleigh, NC 27611
FAX: (919) 833-2023