

23rd Annual Meeting of the  
AANS/CNS Section on Disorders of the  
**Spine and  
Peripheral Nerves**

Neurosurgery and Spine – A Vital Synergy

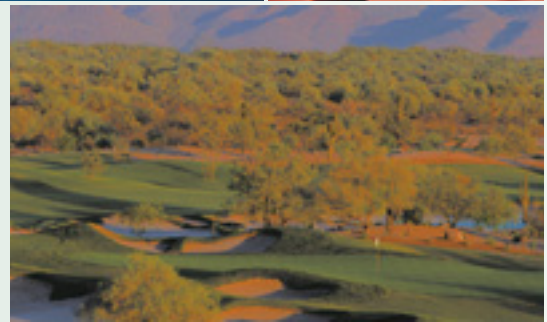
PRELIMINARY PROGRAM



**March 7-10, 2007**

JW Marriott Desert Ridge Resort & Spa

Phoenix, Arizona



American  
Association of  
Neurological  
Surgeons



The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves invites you to the 2007 Annual Meeting, March 7-10, at the JW Marriott Desert Ridge Resort & Spa in Phoenix, Arizona. This year's meeting promises to deliver maximum educational value, as we explore the theme *Neurosurgery and Spine: A Vital Synergy*.

Nine special courses are available, highlighting contemporary neurosurgical and non-surgical approaches, essential practice management solutions and critical patient advocacy issues. Two of these special courses are designed specifically for nurses, nurse practitioners and physicians assistants.

Our scientific sessions feature presentations by some of the most renowned neurosurgeons in the world on topics including motion preservation, tumors and minimally invasive surgical techniques. We will also take a close look at the evolution of spinal neurosurgery by examining current trends in Australia and considering their implications for neurosurgeons worldwide.

This high-impact scientific program will be set against the backdrop of one of Phoenix's most luxurious resorts, the JW Marriott Desert Ridge Resort & Spa. This 316-acre resort features a unique architectural design incorporating the elements of nature – fire, water, earth and sky – and each guest room features a balcony or patio overlooking wildflower gardens, swimming pools, lakes, waterways and golf course or mountain views.

The JW Marriott Desert Ridge Resort also offers endless opportunities for recreation and respite, from the bent-grass greens of the desert-style Palmer Signature golf course or an outdoor massage on one of Revive Spas private balconies. And the whole family is sure to love the more than 4 acres of shimmering waterways and miles of hiking and biking trails.

So join us for an outstanding educational program and exciting exhibition highlighting the latest neurosurgical products, and enjoy all the tranquility that awaits you at the JW Marriott Desert Ridge Resort & Spa. We look forward to seeing you in Phoenix!

Sincerely,



*Charles L. Branch, Jr., MD*

**Charles L. Branch, Jr., MD**  
Chairperson



*Mark R. McLaughlin*

**Mark R. McLaughlin, MD**  
Annual Meeting Chairperson



*R. John Hurlbert*

**R. John Hurlbert, MD,**  
PhD, FRCSC, FACS  
Scientific Program Chairperson

## Who Should Attend

Educational sessions are geared toward neurosurgeons, orthopedic surgeons, spine care specialists, fellows, residents, physician assistants, and nurse clinicians, and are applicable to the practice of spine and peripheral nerve surgery.



## Program-at-a-Glance *(Preliminary)*

| Wednesday<br>March 7, 2007                  | Thursday<br>March 8, 2007  | Friday<br>March 9, 2007   | Saturday<br>March 10, 2007   |
|---|--|---|--|
| 6:00 AM – 6:00 PM<br>Registration           | 6:00 AM – 6:00 PM<br>Registration  | 6:00 AM – 5:00 PM<br>Registration                                 | 6:00 AM – 5:00 PM<br>Registration  |
| 6:00 AM – 6:00 PM<br>Speaker Ready Room     | 6:00 AM – 6:00 PM<br>Speaker Ready Room                                      | 6:00 AM – 5:00 PM<br>Speaker Ready Room                           | 6:00 AM – 5:00 PM<br>Speaker Ready Room  |
| 1:30 PM – 5:30 PM<br>Special Courses I – VI | 6:30 AM – 7:00 AM<br>Continental Breakfast                                   | 6:30 AM – 7:00 AM<br>Continental Breakfast                        | 6:30 AM – 7:00 AM<br>Continental Breakfast   |
| 6:00 PM – 8:00 PM<br>Opening Reception      | 7:00 AM – 12:30 PM<br>Scientific Session I                                   | 7:00 AM – 12:15 PM<br>Scientific Session III                      | 7:00 AM – 12:30 PM<br>Scientific Session IV  |
|   | 9:00 AM – 7:00 PM<br>Exhibit Hall Open with<br>Poster Viewing                | 9:00 AM – 12:00 Noon<br>Exhibit Hall Open with<br>Poster Viewing  | 8:00 AM – 9:30 AM<br>David Cahill Memorial<br>Controversies Sessions               |
|   | 9:30 AM – 10:15 AM<br>Beverage Break and<br>“What’s New” Sessions            | 9:30 AM – 10:15 AM<br>Beverage Break and<br>“What’s New” Sessions | 9:00 AM – 12:00 Noon<br>Exhibit Hall Open with<br>Poster Viewing                   |
|   | 12:30 PM – 1:25 PM<br>Lunch and “What’s New”<br>Sessions in Exhibit Hall     | 12:15 PM – 12:30 PM<br>Annual Business Meeting                    | 9:30 AM – 10:15 AM<br>Beverage Break and<br>“What’s New” Sessions                  |
|   | 1:30 PM – 5:30 PM<br>Scientific Session II                                   | 1:30 PM – 5:30 PM<br>Special Course VII & VIII                    | 1:30 PM – 5:30 PM<br>Special Course IX   |
|   | 3:15 PM – 4:00 PM<br>Beverage Break and<br>“What’s New” Sessions             |   |  |
|   | 5:30 PM – 7:00 PM<br>Reception in the Exhibit Hall<br>(No children, please.) |   |  |
|   |  |   | <i>*Hours, Special Course<br/>Options and Placement are<br/>subject to change.</i> |

### Meeting Highlights

- Obtain up to 17.25 credits in Category 1 CME credit towards the AMA Physician’s Recognition Award (PRA). An additional 12 credits are available through optional programming.
- Choice of nine Special Courses, including two for Nurses, Nurse Practitioners and Physician Assistants.
- Scientific Sessions and Special Courses presented by leading experts from both neurosurgery and orthopedic spinal and peripheral nerve surgery subspecialties.
- Presentation of over 175 Oral, Oral Point and Digital Poster Abstracts.
- Honored Guest and Meritorious Award Recipient – David L. Kelly, Jr., MD.



### Dates to Remember:

- February 8, 2007**  
Advance Registration Discount and Housing Deadline.
- February 15, 2007**  
No refunds given after February 15, 2007. \$100 Processing fee will be charged for written cancellations received prior to February 15, 2007.
- February 15, 2007**  
Course and event tickets will be refunded in full until this date. No refunds after this date.

Arizona photos courtesy of the Greater Phoenix Convention & Visitors Bureau.

Please note: All courses and faculty are preliminary and subject to change. Seating is limited for all Special Courses. Register Today!

**Wednesday, March 7**

**1:30 – 5:30 PM**  
**Special Course I**  
*Electronic Office*

Additional \$200 for medical registrants. Includes Lunch.

**Director: Mark R. McLaughlin**

**Course Description:**

This course will address how to evaluate, purchase, and implement a practice management system and electronic health record into your office. The perils and pitfalls of implementing a “paperless” office will be discussed.

**Learning Objectives:**

Upon completion of this course, participants should be able to:

- \* Describe the criteria by which to evaluate utilization and effectiveness of electronic medical records.
- \* Discuss negotiating contracts with vendors and pricing protection.
- \* Discuss market trends and vendor performance.

**1:30 – 5:30 PM**  
**Special Course II**  
*Coding Update and Review*

Additional \$200 for medical registrants. Includes Lunch.

**Director: Robert R. Johnson**

Faculty: Mina Foroohar; William M. Mitchell; Alexander M. Mason

**Course Description:**

This course will present current issues in spine coding and review various coding scenarios for correct coding of complex spinal procedures.

**Learning Objectives:**

Upon completion of this course, participants should be able to:

- \* Recognize the newest changes in CPT coding for spine.
- \* Review the methodology for correct spine coding.
- \* Identify specific coding scenarios that can be difficult to code and bring clarity to the relevant scenarios.

**1:30 – 5:30 PM**  
**Special Course III**  
*The Pediatric Spine: Lessons for the Adult Spine Surgeon*

Additional \$200 for medical registrants. Includes Lunch.

**Directors: Ashwini D. Sharan; Douglas L. Brockmeyer**

Faculty: Richard Anderson; Jeffrey Campbell; Dachling Pang; Michael D. Partington; Harold L. ReKate; Christopher I. Shaffrey; John Smith; Bradley Weprin; James Harrop

**Course Description:**

This course is intended as a review for adult spine surgeons who may have exposure to the occasional pediatric spinal ailments. This course will provide a review of spinal development and basic instrumentation concerns in the pediatric population. Special focus will be placed on reviewing congenital, trauma, deformity, and degenerative conditions that might be asked of an adult spinal surgeon.

**Learning Objectives:**

- \* Describe key differences in development of the pediatric and adult spine.
- \* Identify instrumentation concerns in the pediatric spinal patient.
- \* Identify and care for patients with myelomeningocele.
- \* Evaluate patients with pediatric spinal trauma.
- \* Identify points for recognizing which patients benefit from deformity correction and which type of approaches might be used.
- \* Discuss indications for surgery for herniated disc disease in the pediatric population.

**1:30 – 5:30 PM**  
**Special Course IV**  
*Motion Segment Preservation A to Z*

Additional \$200 for medical registrants. Includes Lunch.

**Director: Christopher I. Shaffrey**

Faculty: Praveen V. Mummaneni; Russ P. Nockels; Brian R. Subach; Michael Y. Wang; Shaun T. O’Leary

**Course Description:**

World leaders and investigators will discuss the benefits and detriments of current technology and research in disc repair, biological replacement, and arthroplasty.

**Learning Objectives:**

Upon completion of this course, participants should be able to:

- \* Recognize indications and pitfalls of arthroplasty.
- \* Identify the advantages of motion preservation.
- \* Recognize indications for less invasive treatments of spinal disorders.

**1:30 – 5:30 PM**  
**Special Course V**  
*Advances in Minimally Invasive Spine Surgery*

Additional \$200 for medical registrants. Includes Lunch.

**Director: Robert E. Isaacs**

Faculty: William Mitchell; Kevin T. Foley; Mark B. Dekutoski; Luiz Pimenta; Adrian Nowitzke; Anthony K. Frempong-Boadu; Charles L. Branch, Jr.; Daniel H. Kim

**Course Description:**

This course will offer exposure to the latest in minimally invasive spine surgery techniques and will discuss the role of minimally invasive spine surgery in deformity, spinal oncology and revision surgery and will evaluate the latest technology for minimally invasive spine surgery “hands on” in sawbones. Attendees are invited to bring in cases for discussion.

**Learning Objectives:**

At the conclusion of this course, participants should be able to:

- \* Discuss the latest in minimally invasive spine surgery techniques.
- \* Discuss and debate the role of minimally invasive spine surgery in deformity, spinal oncology, and revision surgery.
- \* Be familiar with the latest technology for minimally invasive spine surgery.

**1:30 – 5:30 PM**  
**Special Course VI**  
*Cervical Spine Axial (Co-C2) Trauma*

**Special Course for Nurses, Nurse Practitioners and Physician Assistants.**

Additional \$110 for medical registrants. Includes Lunch.

**Co-directors: Erin Villard, NP; Andrea L. Strayer, MSN, CNRN**

Faculty: Cindy Sullivan, NP; Christopher I. Shaffrey; Tina Lisman, PA-C, MPAS; R. John Hurlbert

**Course Description:**

This course will provide practical, current, didactic information on upper cervical spine fracture types, radiographic correlation and treatment algorithm. Surgical treatment including approaches and specific procedures will be discussed. Extensive interactive case presentations will illustrate treatment and care considerations. Expert advanced practice nurse, physician assistant, and neurosurgeon faculty will explore the challenges of caring for this complex patient population.

**Learning Objectives:**

- \* Describe the functional anatomy and physiology of the upper cervical spine.
- \* Discuss upper cervical spine traumatic fracture types including radiographic correlation and overview of treatment algorithm.
- \* Analyze the surgical treatment of upper cervical spine trauma including approaches, potential procedures, and instrumentation.
- \* Analyze fracture types and treatment algorithm as well as decision making and care considerations in a participant/faculty interactive session, for patients who have suffered upper cervical spine injury.

Physician attendees will not be awarded CME credit for this course. Nursing contact hours will be provided through AANN. The American Association of Neuroscience Nurses is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Physician assistants will receive credit for attendance. Each physician assistant will need to contact his or her individual membership association and certification board to determine the requirements for accepting credits. All attendees will receive a confirmation of attendance.

### 6:00 – 8:00 PM Opening Reception

Take in spectacular views of the mountains and watch the sunset while enjoying a wonderful assortment of food and refreshments as you visit with old friends and new colleagues at the Opening Reception. The reception will be held outdoors at the JW Marriott Desert Ridge Resort & Spa. All medical attendees and spouse/guests registered for the meeting will receive one complimentary ticket. Additional tickets will be available for purchase on the registration form or at the meeting during registration hours, from 6:00 AM – 6:00 PM. Resort casual attire is recommended for this event.

## Thursday, March 8

### 7:00 AM – 12:30 PM Scientific Session I Neurosurgery and Spine: A Vital Synergy

**Moderators: Mark R. McLaughlin;  
R. John Hurlbert**

**Session Description:**

This Scientific Session will present viewpoints from neurosurgical leadership in the United States and Australia that relates to the inherent

value of collaboration between a neurosurgical professional societies and the subspecialty area of spine. Areas of focus will include education, research, socioeconomic and governmental relations and inter-disciplinary relations experienced in other countries. The honored guest presentation will allow one of the leaders in spinal surgery to reflect upon the impact of the relationships of the professional societies on an entire field of surgery in the past years.

**Learning Objectives:**

- \* Discuss the challenges facing the evolution of spinal surgery.
- \* Appreciate the advantages and disadvantages of independence and identity and the role of organized Neurosurgery in this evolution.
- \* Analyze the surgical treatment of upper cervical spine trauma including approaches, potential procedures, and instrumentation.
- \* Identify similar issues faced in other related specialties, solutions adopted, and outcomes achieved.

7:00 – 7:10 AM  
**Introductory Remarks and Meeting  
Announcements**  
**Charles L. Branch, Jr.**

7:10 AM  
**Evolution of the Neurological Spine Surgeon**  
**Graeme Brazenor**

7:30 AM  
**Neuroscience in Spine**  
**Adrian Nowitzke**

7:50 AM  
**Neurological Spine and Orthopedic  
Spine: Ebony and Ivory, or Harmony?**  
**Peter McCombe**

8:10 AM  
**A Vital Synergy for Research**  
**Donald O. Quest**

8:25 AM  
**A Vital Synergy for Education**  
**Douglas Kondziolka**

8:40 AM  
**Presidential Address: A Vital Synergy  
for Governmental and Socioeconomic  
Affairs**  
**Charles L. Branch, Jr.**

8:55 AM  
**Fellowship Awards and Updates**  
**Peter C. Gerszten**

9:15 AM  
**Meritorious Award Presentation**  
**Charles L. Branch, Jr.**

9:20 AM  
**Meritorious Award Winner:**  
**David L. Kelly, Jr.**

9:30 – 10:15 AM  
**Beverage Break with Exhibitors**  
**"What's New" Session I**  
**Moderator: Sean D. Christie**

10:15 AM – 12:30 PM  
**Oral Platform Presentations I**  
**Moderator: Nicholas Theodore**

12:30 – 1:25 PM  
**Lunch Break**  
**"What's New" Session II**  
**Moderator: Robert E. Isaacs**

1:25 – 1:30 PM  
**Meeting Announcements**  
**Ehud Mendel**

### 1:30 – 5:30 PM Scientific Session II Biology of Spine Tumors

**Moderator: Ehud Mendel**

**Session Description:**

This course will provide practical, current, and didactic information on tumor biology. This includes understanding the natural history and intervention strategies and management of primary and metastatic tumors with radiographic correlation and treatment algorithm. Surgical treatment including approaches and other specific procedures will be discussed. Extensive interactive case presentations will illustrate treatment and care considerations and explore the challenges of caring for this complex patient population.

**Learning Objectives:**

*At the conclusion of this course, participants should be able to:*

- \* Understand the significance in tumor biology in considering management's options.
- \* The surgical management of primary and metastatic tumors including indications and available techniques will be discussed.

1:30 PM  
**Tumor Biology: Understanding Natural  
History and Intervention Strategies**  
**Ennio Antonio Chiocca**

1:55 PM  
**Primary Bone Tumors of the Spine:  
Top Ten Pearls of Treatment**  
**Ziya L. Gokaslan**

2:20 PM  
**Metastatic Tumors of the Spine: Can We Really Make a Difference?**  
*Mark H. Bilsky*

2:45 PM  
**Case Presentation/Discussion**  
**Moderator: Ehud Mendel**

3:15 – 4:00 PM  
**Coffee Break with Exhibitors**

“What’s New” Session III  
**Moderator: Robert E. Isaacs**

4:00 – 5:30 PM  
**Oral Point Presentations I**  
**Moderator: Charles Kuntz, IV**

4:00 – 5:30 PM  
**Oral Point Presentations II**  
**Moderator: Sean D. Christie**

5:30 PM  
**Adjournment**

## Friday, March 9

6:55 AM – 12:15 PM  
**Scientific Session III: Motion Preservation**

**Moderator: Lali H.S. Sekhon**

**Session Description:**  
 This session presents a review of motion preservation techniques including potential biological interventions for the treatment of degenerative spinal disorders.

**Learning Objectives:**

- \* Discuss the various motion preservation technologies available.
- \* Be aware of pitfalls of current designs/technologies both theoretically and practically.
- \* Appreciate possible biological solutions.
- \* Review the current experiences of senior surgeons with these new technologies.

**Part 1: Motion Preservation Technology – Current State of the Art**

6:55 – 7:00 AM  
**Meeting Announcements**  
**Lali H.S. Sekhon**

7:00 AM  
**Kinematics of Cervical and Lumbar Total Disc Replacement: What is the Ideal Device?**  
**William Sears**

7:15 AM  
**Cervical Arthroplasty: Friend or Fad – What’s the Real Role?**  
**Volker K. Sonntag**

7:30 AM  
**Lumbar Arthroplasty: New Solutions or New Problems?**  
**Fred H. Geisler**

7:45 AM  
**Discussion**  
**Moderator: Lali H.S. Sekhon**

**Part 2: Ultimate Motion Preservation: Soft Tissue Reconstruction/Regeneration**

8:00 AM  
**Nucleus Replacement Technologies: What, When and If**  
**Praveen V. Mummaneni**

8:15 AM  
**Stem Cells in Disc Repair**  
**Christopher P. Ames**

8:30 AM  
**Gene Therapy for Ligamentous Repair**  
**Gregory A. Helm, PhD**

8:45 AM  
**Discussion**  
**Moderator: Lali H.S. Sekhon**

9:00 AM  
**SPORT Trial Results and Conclusions: What You Need to Know**

**Moderator: Daniel K. Resnick**  
*Panel: Charles L. Branch, Jr., Richard G. Fessler, Paul C. McCormick*

**Session Description:**  
 This session will review the methodology, results, and conclusions of the SPORT trial comparing surgical and non-surgical treatments and outcomes for lumbar intervertebral disc herniation, spinal stenosis, and spinal stenosis secondary to degenerative spondylolithesis. Strengths and weaknesses of the trial will be examined and discussed with respect to the overall impact of the study conclusions.

**Learning Objectives:**  
*At the end of this session, participants should be familiar with:*

- \* The design and results of the SPORT trial.
- \* In addition participants should gain an appreciation of the context within which the results and conclusions can be interpreted.

9:10 AM  
**Discussion**

9:30 – 10:15 AM  
**Coffee Break with Exhibitors**  
**“What’s New” Session IV**  
**Moderator: Sean D. Christie**

10:15 AM – 12:15 PM  
**Oral Platform Presentations II**  
**Moderator: James Harrop**

12:15 – 12:30 PM  
**Annual Business Meeting**  
**Joseph T. Alexander**

12:30 PM  
**Lunch on Your Own**

1:30 – 5:30 PM  
**Special Course VII**  
**Peripheral Nerve**

**Complimentary to Section Resident Members**  
 Additional \$200 for medical registrants. Includes Lunch.  
**Directors: Eric L. Zager; Robert J. Spinner**  
*Faculty: Allen H. Maniker; Rajiv Midha; Lynda Jun-San Yang; Allan J. Belzberg; Aaron Filler; Line Jacques; Holly Gilmer-Hill; Robert L. Tiel*

**Course Description:**  
 This didactic course will detail the ABC’s of peripheral nerve surgery. It is targeted to practicing surgeons, senior level residents and fellows.

**Learning Objectives:**  
*At the completion of this course, participants should be able to:*

- \* Convey basic information on diagnosis and management of common nerve injuries, nerve entrapments and nerve disorders.
- \* Prepare the residents for written board examinations and the young neurosurgeons for the oral board examinations on nerve topics and questions.
- \* Review the diagnosis and differential diagnoses of nerve conditions, particularly those that have overlap to medical and spinal conditions.
- \* Distinguish those nerve conditions needing emergent and urgent management versus those that can be managed in a more delayed fashion.
- \* Recognize common peripheral nerve conditions and distinguishing these from the unusual conditions, which should be referred to subspecialists.

**1:30 – 5:30 PM**  
**Special Course VIII**  
**Care of Post-Operative Spinal Fusion**

**Special Course for Nurses, Nurse Practitioners and Physician Assistants.**

Additional \$110 for medical registrants. Includes Lunch.

**Co-directors: Andrea L. Strayer, MSN, CNRN, Erin Villard, NP**

*Faculty: Steven Casha; Karen Casile, PA-C; Gregory Trost*

**Course Description:**

This course will provide practical, current, didactic information in regards to the postoperative care after a spinal fusion. Evaluation of fusion including radiographic and clinical correlation as well as the effects of nonsteroidal anti inflammatories will be presented. Complication awareness and avoidance of wound problems, traditional and alternative pain control, and an interactive session on the controversies of everyday postoperative issues such as bracing, return to work and return to sports will be analyzed. Expert advanced practice nurse, physician assistant, and neurosurgeon faculty will explore the challenges of caring for this complex patient population.

**Learning Objectives:**

- \* Discuss how to evaluate spinal fusion radiographically and clinically as well as the effect of NSAIDs on fusion.
- \* Discuss complication awareness and avoidance of wound issues.
- \* Analyze traditional vs alternative postoperative pain control interventions.
- \* Discuss controversies in postoperative activity including bracing, return to work, and sports.

Physician attendees will not be awarded CME credit for this course. Nursing contact hours will be provided through AANN. The American Association of Neuroscience Nurses is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Physician assistants will receive credit for attendance. Each physician assistant will need to contact his or her individual membership association and certification board to determine the requirements for accepting credits. All attendees will receive a confirmation of attendance.

**Saturday, March 10**

**6:55 – 8:00 AM/10:15 AM – 12:30 PM**

**Scientific Session IV**  
**Neurosurgery and Spine:**  
**The Synergy in the Development of Minimally Invasive Surgery**

**Moderator: Michael Y. Wang**

**Session Description:**

In this session, participants will be exposed to a wide range of accepted and emerging applications for minimally invasive spinal surgery, including specific surgical indications, technical nuances, and methods for complication avoidance.

**Learning Objectives:**

- \* Recognize indications for minimally invasive surgery for the treatment of traumatic, degenerative, and neoplastic spinal lesion.
- \* Describe techniques for the minimally invasive treatment of spinal disorders.
- \* Understand potential complications of minimally invasive surgery and methods for complication avoidance.

**6:55 – 7:00 AM**

**Meeting Announcements**  
**Michael Y. Wang**

**7:00 AM**

**Mimimally Invasive Surgery in Lumbar Degenerative Disease**  
**Donald P. Atkins**

**7:15 AM**

**Minimally Invasive Surgery for Trauma**  
**Daniel K. Resnick**

**7:30 AM**

**Treating Cancer with Minimally Invasive Surgery**  
**Russ P. Nockels**

**7:45 AM**

**Minimally Invasive Surgery in the Spine**  
**Michael Y. Wang**

**8:00 – 9:30 AM**

**David Cahill Memorial Controversies Sessions**  
**Prevention and Management of Complications**

**Moderator: Michael W. Groff**

**Session Description:**

Through a debate presentation format, controversial clinical management decisions will be presented with experts arguing their perspective on what the prevention and management of complication literature supports.

**8:00 AM**

**C5 Motor Deficits: Preventable/Nonpreventable**

*Faculty: Robert F. Heary vs Christopher I. Shaffrey*

**8:22 AM**

**Durotomy during Minimally Invasive Surgery Lumbar Discectomy: Complication or Not?**

*Faculty: Praveen V. Mummaneni vs. Larry T. Khoo*

**8:44 AM**

**Lumbar Degenerative Disc Disease: Total Disc Replacement/Pedicle Screw Fixation**

*Faculty: Fred H. Geisler vs. Richard G. Fessler*

**9:06 AM**

**Tumor Recurrence: Spondylectomy/Local Excision**

*Faculty: Ziya L. Gokaslan vs. Mark H. Bilsky*

**9:30 – 10:15 AM**

**Coffee Break with Exhibitors**

**“What’s New” Session V**

**Moderator: Sean D. Christie**

**10:15 – 11:00 AM**

**Mayfield Awards/Presentations**

**Peter C. Gerszten**

**11:00 AM – 12:30 PM**

**Oral Point Presentations III**

**Moderator: Christopher E. Wolfla**

**12:30 PM**

**Lunch on Your Own**

**1:30 – 5:30 PM**

**Special Course IX**  
**Spine and Peripheral Nerve Board Review Course**

Additional \$200 for medical registrants. Includes Lunch.

**Co-directors: Allan D. Levi, Allen H. Maniker, Daniel K. Resnick**

*Faculty: Gregory Trost; Robert J. Spinner*

**Course Description:**

In a case presentation format, participants will engage in a simulated oral board examination covering spine and peripheral nerve cases commonly seen at the ABNS examination. During the course, participants will discuss CCX examples, produce management plans and describe surgical techniques in front of an expert panel.

**Learning Objectives:**

*At the completion of this course:*

- \* The participant should be able to reason through the treatment of a wide variety of peripheral nerve cases that may be presented at the oral board examination.
- \* Participants will be familiar with the board examination process.

## List of Exhibitors

Aesculap  
 Alphatec Spine, Inc.  
 American Association of Neurological Surgeons  
 Anspach Companies  
 Anulex Technologies, Inc  
 AO Spine North America  
 Apatech, Inc.  
 ArthroCare Spine  
 ASCEND  
 BioMet Spine  
 Blue Chip Surgical Center Partners  
 Cervitech, Inc.  
 Congress of Neurological Surgeons  
 DePuy Spine, Inc.,  
     a Johnson & Johnson Company  
 Ellman Innovations  
 Endius Incorporated  
 Endure Medical, Inc.  
 Globus Medical  
 Gore & Associates  
 HydroCision  
 Innovation Medical Technologies, Inc.  
 Integra  
 Joimax, Inc  
 Journal of Neurosurgery  
     (INS Publishing Group)  
 K2M  
 Kyphon Inc.  
 Life Instrument Corp.  
 Lippincott-Williams & Wilkins  
 Medtronic Sofamor Danek  
 North American Spine Society  
 NeoSpine, LLC  
 NuVasive  
 Orthofix, Inc  
 Osteotech, Inc  
 PhysIOM  
 Pioneer Surgical Technology  
 Priority Consult  
 RSB Spine  
 Scanlan International, Inc.  
 ScientX  
 SeaSpine  
 Spinal Elements  
     (Formerly Quantum Orthopedics)  
 Spine Wave, Inc.  
 Spine-Health.Com, Inc.  
 St. Francis Medical Technologies, Inc.  
 Stryker  
 Symmetry Medical  
 Synthes, Inc.  
 Tissuelink Medical, Inc.  
 TranS1 Inc.  
 X-Spine Systems, Inc.  
 Zimmer Spine

*Preliminary as of November 10, 2006*

Don't miss the exhibit hall at the 2007 Annual Meeting of the AANS/CNS Section of Disorders of the Spine and Peripheral Nerves. Exhibitors value this time to learn from you, establish the individual needs of your practice, and share trends in their specialties. It's also a great opportunity for you to learn more about the latest technological advances in spinal neurosurgery.

Your preferred exhibitors encourage you to stop by their booths for one-on-one discussions, hands-on product demonstrations or to just catch a glimpse of the many exciting new products and services available for show at this year's Annual Meeting.

### Exhibit Hall Features

The exhibit hall, located across from the Scientific Sessions, will feature:

- \* More than 50 exhibiting companies displaying state-of-the-art equipment, products and services.
- \* **Digital Posters:** This state-of-the-art format lets attendees browse abstracts enhanced by photos and video. The digital format also makes it easy to search for abstracts by author or topic.
- \* **"What's New" Sessions:** Join the crowd during daily beverage breaks and lunch as speakers share the latest in cutting-edge research and technology in the Exhibit Hall Demonstration Theater.
- \* **Lunch in the Exhibit Hall:** Plan to spend your Thursday lunch break mingling with exhibitors between "What's New" presentations.
- \* **Reception with Exhibitors:** Join us Thursday evening for another great, social networking opportunity. Take this time to browse the aisles of the exhibit hall and visit your favorite vendors or perhaps encounter some fresh faces on the exhibit floor, all while enjoying cocktails and hors d'oeuvres.

### Exhibit Hours

|                          |                      |
|--------------------------|----------------------|
| Thursday, March 8, 2007  | 9:00 AM – 7:00 PM    |
| Friday, March 9, 2007    | 9:00 AM – 12:00 Noon |
| Saturday, March 10, 2007 | 9:00 AM – 12:00 Noon |

### Beverage Break and Demonstration Theater Hours

|                          |   |
|--------------------------|---|
| Thursday, March 8, 2007  | 9:30 – 10:15 AM<br>12:30 – 1:25 PM*<br>3:15 – 4:00 PM |
| Friday, March 9, 2007    | 9:30 – 10:15 AM                                       |
| Saturday, March 10, 2007 | 9:30 – 10:15 AM                                       |

*\*Lunch in the exhibit hall is complimentary to all medical attendees and guests ages 18 and older.*

### Special Thanks to Our Sponsors!

#### Platinum Plus Partners

DePuy Spine,  
     a Johnson and Johnson Company  
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*Preliminary as of November 10, 2006*



## Opening Reception

Wednesday, March 7, 2007

6:00 – 8:00 PM

Take in spectacular views of the mountains and watch the sunset while enjoying a wonderful assortment of food and refreshments as you visit with old friends and new colleagues at the Opening Reception. The reception will be held outdoors at the JW Marriott Desert Ridge Resort & Spa. All medical attendees and spouse/guests registered for the meeting will receive one complimentary ticket. Additional tickets will be available for purchase on the registration form or at the meeting during registration hours, from 6:00 AM – 6:00 PM. Resort casual attire is recommended for this event.



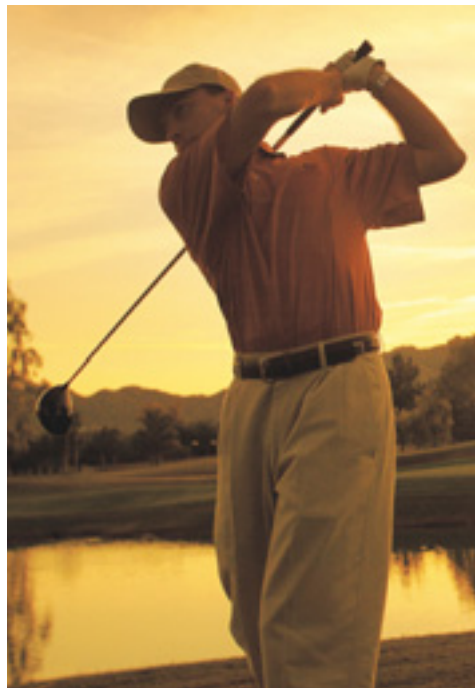
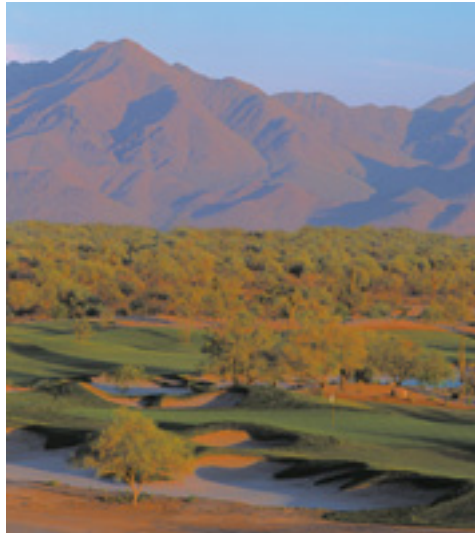
## Reception with the Exhibitors

Thursday, March 8, 2007

5:30 – 7:00 PM

Join us for this special event in the exhibit hall. Attendees will have the opportunity to interact with exhibiting companies while enjoying pre-dinner cocktails and hors d'oeuvres with colleagues. All medical attendees and spouse/guests\* registered for the meeting will receive one complimentary ticket. Additional tickets are available for purchase on the registration form or at the meeting during registration hours. Business casual attire is recommended for this event.

*\*Please note: Due to liability and security issues, children under 18 years of age are not permitted on the exhibit floor at any time.*



## Golf

Don't miss the opportunity to play one of Arizona's top-rated golf courses. The Wildfire Golf Club at the JW Marriott Desert Ridge Resort & Spa features two unique courses sure to challenge golfers of all skill levels.

The Palmer Signature Course is a desert style course of championship length (7,170 yards), with generous fairways and large, bent-grass greens. It has four to six tee boxes on every hole, challenging all levels of golfing skill. The 415-yard par 4 6th is Palmer's signature hole, with the beautiful Camelback Mountain as the backdrop.

The Faldo Championship Course is a par 71 course site offering a slight variation from typical Sonoran Desert-theme courses. Course designer Nick Faldo designed this course to have rhythm and flow, with more bark than bite. The surrounding mountains, century-old saguaro cacti and 106 sand bunkers, reminiscent of the Australian sand belt courses, provide a spectacular setting.

Look for more information on golf activities for the 2007 Annual Meeting to be posted at [www.spinesection.org](http://www.spinesection.org) in early 2007!

**CME Credit**

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Congress of Neurological Surgeons (CNS) and the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. The Accreditation Council for Continuing Medical Education (ACCME) accredits the CNS to sponsor continuing medical education for physicians. The CNS designates this educational activity for a maximum of 17.25 credits in Category 1 credit toward the AMA Physician’s Recognition Award (PRA). An additional 12 credits are available through optional programming. Each physician should claim only those credits that he/she actually spent in the educational event.

**Physician Assistant CME Credit**

Physician assistants will receive CME credits for attendance at the general scientific program and for any optional events attended. Each physician assistant should contact his or her individual membership association and certification board to determine the requirements for accepting CME credits. All attendees will receive a Confirmation of Attendance.

**Area Attractions and Tour Information**

Phoenix offers a host of opportunities for adventure and relaxation, from a romantic hot air balloon ride for two to family outings like desert jeep tours and horseback riding. To obtain more information or make reservations for Phoenix area attractions and tours, please visit the city’s official web site at [www.PhoenixCVB.org](http://www.PhoenixCVB.org) or contact any member of the JW Marriott Desert Ridge Resort & Spa Concierge Team at (480) 293-5000. It is best to make arrangements in advance. The concierge team will be available to assist you on site as well.



**Children’s Program and Child Care Services**

Kokopelli Kids is a full-service children’s recreation program for JW Marriott Desert Ridge Resort & Spa guests ages 4-12. Each day is designed to provide maximum enjoyment for all participants. Counselors design each day according to the ages and interest of the children enrolled. Activities include computer learning, arts & crafts, sports, swimming, Native American folklore, musical games and much more. Full and half day programs are available and each day offers a new theme, from sports to space to the wild west. Contact the resort concierge at (480) 293-5000 for further information.

The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves is not affiliated with nor is it endorsing the services of any of the companies listed below, however, these companies are identified by the resort for in-room childcare:

**All About Nannies, Inc.**  
(480) 948-3901  
[www.allaboutnannies.org](http://www.allaboutnannies.org)

**A Childs Garden**  
(480) 354-2122

**Arizona Lullaby Guild**  
(602) 852-0459

**Terry Wenger (Individual)**  
(623) 214-0202

For more details, contact the resort concierge at (480) 293-5000.



**Evaluations**

The Annual Meeting evaluation process is a key component in providing cutting-edge programming at the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting. Medical registrant feedback on the quality and diversity of the program helps to determine future annual meeting programming. Your voice is important and your opinions are valued! Please complete your evaluation forms and deposit them into the drop boxes located at the JW Marriott Desert Ridge Resort.

**No Smoking Policy**

Smoking is not permitted at any official AANS/CNS Section on Disorders of the Spine and Peripheral Nerve Annual Meeting events.

## Hotel Accommodations

The Desert Ridge Resort offers luxury accommodations and amenities your whole family is sure to enjoy, from fine dining to a host of recreation opportunities. This 316-acre luxury resort in the Sonoran Desert features a unique architectural design incorporating the elements of nature – fire, water, earth and sky.

### Resort Amenities:

- \* Deluxe guest rooms with patios or balconies overlooking wildflower gardens, swimming pools, lakes, waterways and golf course or mountain views.
- \* Four acres of turquoise pools and shimmering waterways.
- \* WildFire Golf Club featuring two on-site 18-hole golf courses.
- \* Stunning, two-story spa oasis, featuring signature treatments that combine ancient rituals with cutting-edge techniques.
- \* Eight-court tennis center.
- \* Desert botanical garden.
- \* Four fine-dining restaurants, two cafés, a lounge and a spa bistro.

## Housing Deadline: February 8, 2007

### Important Housing Information

Support the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves by booking your hotel room for the Annual Meeting by one of the methods listed on the housing form. In order to obtain the necessary meeting and exhibit space at the hotel, the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves must commit to a minimum number of guest rooms. If that commitment is not fulfilled, the Section will incur significant financial penalties and have difficulty obtaining sufficient meeting space in the future. Unfortunately, this can have a major impact on the member services and programs that the Section is able to offer in the future. We appreciate your commitment to the Section by staying at the official meeting hotel.



### Hotel Cancellation Policy

Deposits are refundable only if the resort receives notice of cancellation at least 7 days prior to scheduled arrival date. For more details, see the housing form on page 13.

## Transportation to Phoenix

### Airlines

The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves is pleased to announce that United Airlines has been designated as the official airlines of the 2007 Annual Meeting.

Use the **Meeting ID #5642R** to get special fares on United flights to Phoenix. Save 5% off the lowest available fare by calling United at 1-800-521-4041 – refer to **Meeting ID #5642R**. Save 10% off the unrestricted coach fare when purchased 7 days in advance. **Save an additional 5% when you purchase your tickets at least 30 days in advance.**



Discounts apply on United, United Express, Ted, and code share flights operated by US Airways, US Airways Express and Air Canada. Mileage Plus members receive full credit for all miles flown to this meeting. Certain restrictions apply.

### Make your reservations today:

- \* Online at [www.united.com](http://www.united.com). Enter the Meeting ID number in the promotion code field.
- \* Call United Reservations at (800) 521-4041, Monday – Friday from 8:00 AM to 10:00 PM EST and Saturday or Sunday from 8:00 AM to 8:00 PM EST.

## Transportation to the Resort

### Shuttle Service

SuperShuttle provides shuttle service between Phoenix Sky Harbor International Airport and the JW Marriott Desert Ridge Resort & Spa. Collect your luggage and go to the outer island marked “VAN SERVICE.” A uniformed Guest Service Representative will arrange SuperShuttle transportation to your destination. Call SuperShuttle at (602) 244-9000, 24 hours in advance of your departure for return reservations or simply stop by the resort concierge and ask them to make a SuperShuttle reservation for you. Fare information is available at [www.supershuttle.com](http://www.supershuttle.com).

### Car Service

Transtyle sedans are readily available to take you between the Phoenix Sky Harbor International Airport and the JW Marriott Desert Ridge. Rate information is available at [www.transtyle.com](http://www.transtyle.com). Although recommended, advance reservations are not necessary. Call (800) 410-5479 for further information and to make reservations.

## What's Included in the Registration Fee

Medical Registration includes the following:

- \* Access to the exhibit hall.
- \* Admittance to Scientific Sessions and David Cahill Memorial Controversies Sessions.
- \* Daily Continental Breakfasts.
- \* Daily Beverage Breaks.
- \* One ticket to Wednesday Opening Reception.
- \* One ticket to Thursday Reception with Exhibitors.
- \* One ticket to Thursday Lunch with Exhibitors.

Spouse/Guest Registration includes the following:

- \* Daily Continental Breakfasts with medical attendees.
- \* One ticket to Wednesday Opening Reception.
- \* One ticket to Thursday Reception with Exhibitors.
- \* Entrance to the exhibit hall.

Child registration receives the same as spouse/guest, except for the Thursday Reception with Exhibitors ticket, as children under the age of 18 are not allowed on the exhibit floor.

## Onsite Registration Hours

**Wednesday, March 7**

6:00 AM – 6:00 PM

**Thursday, March 8**

6:00 AM – 6:00 PM

**Friday, March 9**

6:00 AM – 5:00 PM

**Saturday, March 10**

6:00 AM – 5:00 PM

## Registration Information

AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting registrations will not be processed without a valid credit card or check. Space in special courses will not be reserved without payment.

## Speaker Registration

Complimentary registration will not be provided for one-day speakers. All speakers must register at the applicable registration rate.

## Spouse/Guest Registration

The Guest registration fee provides each individual with a ticket to the Opening Reception on Wednesday evening and the Cocktail Reception on Thursday evening. The fee also allows access to the exhibit hall and daily continental breakfasts with the medical registrants served from 6:30 – 7:00 AM. Advance registration is encouraged.

## Child Registration

Although there is no registration fee, children under 18 years of age should register for the Annual Meeting to receive a badge. This badge will allow access to the Opening Reception and daily breakfast offering. Please note: Children under 18 years of age are not allowed on the exhibit floor.

## Cancellation/Refunds

Requests for registration cancellation must be made in writing and sent to:

### AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting

c/o Laser Registration

1200 G Street NW, Suite 800

Washington DC 20005-3967

Email: [DSPN@Laser-Registration.com](mailto:DSPN@Laser-Registration.com)

Cancellation requests received by 5:00 PM CST on February 15 will receive a full refund minus a \$100 processing fee. There will be no refunds for registration or course/event ticket cancellations received after 5:00 PM CST on February 15, 2007, regardless of the reason for cancellation. No refunds will be given for no-shows.

## Americans with Disabilities Act/Special Needs & Requests

The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves wishes to take those steps necessary to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids and services.

If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to attend any AANS/CNS Section on Disorders of the Spine and Peripheral Nerves program, or have any special needs requests, such as food allergies, please contact the Meeting Services Department at: [info@1cns.org](mailto:info@1cns.org) or call (847) 240 2500. Please provide any requests to the Annual Meeting Office at least 30 days prior to the Annual Meeting to guarantee accommodation.

**Housing Deadline:  
February 8, 2007**

All hotel reservations must be accompanied by the first night's deposit or credit card guarantee in order to confirm the accommodations. At check-in, a credit card or cash deposit is required for final payment.

JW Marriott Desert Ridge Resort & Spa will make every effort to honor specific requests for location, non-smoking rooms, etc.; however, they reserve the right to provide alternative accommodations when necessary.

**Hotel Reservations**

Reservations can be made online or by mail, or fax.

**Online** – Visit the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting Web site at [www.spinesection.org](http://www.spinesection.org) for instructions and a link to the online reservations center.

**Mail** – Mail this form to:

**AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting**

c/o Laser Registration  
1200 G Street NW, Suite 800  
Washington DC 20005-3967

**Fax** – Fax this form to: (514) 228-3081

**Hotel Cancellation/Changes**

Deposits are refundable only if the reservation is cancelled at least 7 days prior to scheduled arrival date.

**If your hotel reservation needs to be cancelled or changed:**

**Through February 8, 2007**

- \* All changes must be made through Laser Registration.
- \* Rooms are not transferable.
- \* Refunds will be issued by Laser Registration.

**After Tuesday, February 13, 2007**

- \* All changes and cancellations must be made directly through hotel.
- \* If cancellation is not received at least 7 days prior to scheduled arrival date, the deposit will be forfeited.

Special room rates are available at the JW Marriott Desert Ridge Resort & Spa if reservations are made prior to or on February 8, 2007.

|                  |           |
|------------------|-----------|
| First Name       | Last Name |
| Address          |           |
| City             |           |
| State            | Zip Code  |
| Phone (Business) | (Home)    |
| Fax              |           |
| E-mail Address   |           |

I will be sharing this room with another attendee (non-family).

**Reservation Information**

**Accommodation and Rates** (check accommodation type)

Standard Guest Room     \$299 Single\*     \$299 Double\*

Marriott Rewards # \_\_\_\_\_

For Suite or Concierge Room Availability please contact Laser Registration at **(866) 298-0802 or (514) 228-3077**.

\* Above rates are subject to 12.07% state and local taxes per night. Additional adults and children are \$20 each per day. A portion of the room rate will be utilized to cover the cost of registration and housing services. These special rates are only available until the February 8, 2007 cut-off date. The AANS/CNS Section on Disorders of the Spine and Peripheral Nerves cannot guarantee the availability of this rate after the cut-off date. Check-in time is 4:00 PM; check-out time 11:00 AM Rates are effective (3) days prior to and (3) days after the official meeting dates of March 7-10, 2007. Confirmation for dates other than official meeting dates made prior to the cut-off date will be based on availability.

**Special Requests** (check all that apply)

- Non-smoking Room     Smoking Room     Handicap Accessible Room  
 One King Bed     Two Double Beds     Other \_\_\_\_\_

Arrival Date/Time: \_\_\_\_\_    Departure Date/Time: \_\_\_\_\_

Number of Rooms Needed: \_\_\_\_\_    Number of People in Party: \_\_\_\_\_

**Payment Information**

A deposit of one night's room and tax charges is required. Payment can be made by check\*, money order, or credit card. Please make check or money order payable to AANS/CNS Laser Registration – Housing & Travel Services and mail with this Housing Form to:

**AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting**  
c/o Laser Registration  
1200 G Street NW, Suite 800  
Washington DC 20005-3967

\* Checks will be processed electronically. If you do not want your check processed electronically, please select another method of payment.

- VISA     MasterCard     American Express

|                                  |                 |
|----------------------------------|-----------------|
| Credit Card Number               | Expiration Date |
| Print Name as it appears on Card |                 |
| Card Holder Signature            |                 |

## What's Included in the Registration Fee

Medical Registration includes ONE TICKET to each of the following:

- \* Daily Continental Breakfasts.
- \* Daily Beverage Breaks.
- \* Wednesday Opening Reception.
- \* Thursday Reception with Exhibitors.
- \* Thursday Lunch with Exhibitors.

Spouse/Guest Registration includes ONE TICKET to each of the following:

- \* Daily Continental Breakfasts with medical attendees.
- \* Wednesday Opening Reception.
- \* Thursday Reception with Exhibitors.

Child registration receives the same as spouse/guest, except for the Thursday Reception with Exhibitors ticket, as children under the age of 18 are not allowed on the exhibit floor.

## Registration Information

AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting registrations will not be processed without a valid credit card or check. Space in special courses or daily seminars will not be reserved without payment.

## Cancellation/Refunds:

Requests for registration cancellation must be made in writing and sent to:

**AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting**

c/o Laser Registration  
1200 G Street NW, Suite 800  
Washington DC 20005-3967

Email: DSPN@Laser-Registration.com

Cancellation requests received in writing by 5:00 PM CST on February 15, will receive a full refund minus a \$100 processing fee. There will be no refunds for cancellations received after 5:00 PM CST on February 15, 2007, regardless of the reason for cancellation. No refunds will be given for no-shows.

## Early Registration Deadline: February 8, 2007

Please print or type:

|   |            |        |
|---|------------|--------|
| Last Name   | First Name | Suffix |
| Credentials   |            |        |
| Organization  |            |        |
| Address   |            |        |
| City  | State      | Zip    |
| Country   |            |        |
| Phone   | Fax        |        |
| E-mail Address  |            |        |
| Spouse/Guest Name (if applicable: please print name as it will appear on badge) |            |        |
| Child Name(s) and age   |            |        |

## Meeting Registration Fees

| Registration Category                        | Received on or Before<br>February 8, 2007 | Received After<br>February 8, 2007 |
|--|---|------------------------------------|
| Spine Section Member (101S)                  | <input type="checkbox"/> \$450            | <input type="checkbox"/> \$550     |
| NASS Member (102S)                           | <input type="checkbox"/> \$450            | <input type="checkbox"/> \$550     |
| Nonmember (104S)                             | <input type="checkbox"/> \$500            | <input type="checkbox"/> \$600     |
| Resident (105S)                              | <input type="checkbox"/> \$300            | <input type="checkbox"/> \$400     |
| Nurse (106S)                                 | <input type="checkbox"/> \$300            | <input type="checkbox"/> \$400     |
| Physician Assistant (107S)                   | <input type="checkbox"/> \$300            | <input type="checkbox"/> \$400     |
| Spouse/Guest (108S)                          | <input type="checkbox"/> \$100            | <input type="checkbox"/> \$130     |
| Child (109S)                                 | <input type="checkbox"/> \$0              | <input type="checkbox"/> \$0       |
| <b>Subtotal for Registration Fee Section</b> |   | <b>\$</b>                          |



# Orlando 2008



***Save the Date!***

**February 27 – March 2, 2008**

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