

## Agenda for Spine Section Executive Committee Meeting

1. Secretary's report D. Resnick
  - Review and approval of minutes
  - Review and approval of contact information and EC membership roster
2. Treasurer's Report T. Ryken (to be given by AANS staff)
3. Committee Reports
  - a) Annual Meeting
    - AANS Support of Spine Section B. Heary
  - b) CPT Przybylski/Mitchell (conference call)
    - Kyphoplasty B. Heary
    - Artificial Discs
    - PLIF
    - Deformity
    - Brachial plexus
    - Other codes
  - c) Exhibits J. Knightly
  - d) Future sites J. Alexander
  - e) World Spine E. Benzel
  - f) Research and Awards C. Wolfla
  - g) Education J. Hurlbert (will not attend)
  - h) Guidelines P. Matz
  - i) Outcomes M. Kaiser/ T. Choudhri
  - j) Peripheral nerve TF E. Zager (R. Midha to present)
    - Status of PN within section B. Heary
  - k) Publications C. Dickman (will not attend)
  - l) Public Relations C. Kuntz/T/ Choudhri
  - m) Membership G. Trost
  - n) Washington Committee R. Rodts/R. Fessler
  - o) Fellowships J. Alexander
  - p) PAC S. Ondra
  - q) Web Site C. Wolfla
  - r) CME T. Ryken
  - s) Nominating Committee R. Rodts
  - t) Rules and Regs D. DiRisio
  - u) Newsletter J. York
4. New Business
  - a) CMS meeting May 24, 2005 D. Resnick, R. Fessler
  - b) Neurosurgery Rep to ASTM D. Resnick, V. Traynelis

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

**JW Marriott Resort at Desert Ridge, Phoenix, AZ  
March 8, 2005**

Attendees: C. Shaffrey, E. Zager, C. Branch, G. Rodts, M. Groff, J. Hurlbert, R. Apfelbaum, R. Midha, P. McCormick, K. Foley, D. Resnick, J. Alexander, T. Choudhri, C. Kuntz, P. Gersten, M. McLaughlin, J. Knightley, M. Kaiser, R. Haid, C. Wolfla, R. Heary, T. Ryken, S. Ondra, Z. Gokaslan.

The meeting was called to order by Dr. Rodts at 8:15 am. He acknowledged the outstanding work by Drs. Shaffrey and Groff in preparation for this annual meeting.

The motion was made and passed to accept the minutes of the 10/04 meeting with the corrections acknowledging the attendance of; C. Wolfla, R. Heary, C. Shaffrey, M. McLaughlin, and J. Knightley.

Dr. Rodts recognized Dr. Mitch Gropper and expressed his and the section's sympathy at his untimely death on Dec. 18, 2004. Details of his obituary are included in the agenda book. Special recognition will be made to the section membership on Friday, March 11. A memorial fund has been established for the Section at his family's request.

**Committee Reports**

Annual Meeting – Dr. Shaffrey expressed his concerns over the lack of institutional memory at the AANS office that was burdensome to him and the Annual Meeting team. Dr. Rodts reported that there appears to be satisfactory registration and outstanding corporate support at this meeting. Discussion ensued regarding the solicitation of corporate sponsorship of three significant annual meeting functions. Three major corporate participants have been solicited to be identified as sponsors for the Executive Committee Dinner, Chairman's Dinner and the Young Surgeons Dinner. Drs. Groff, Shaffrey and Haid discussed concerns over the process of cementing a three year commitment from 3 sponsors for these events. The following proposal was approved unanimously by the Executive Committee; The section has decided to establish 3 year agreements with major sponsors in lieu of the current practice of reestablishing support yearly. This will pertain to the Exec Comm. Dinner, Chairman's Dinner and Young Surgeons Dinner and will require sponsorship at the 35, 40, and 45,000 level in each subsequent year.

Dr. Rodts then appointed an ad hoc committee to develop a formal prospectus and algorithm for this and other sponsorship opportunities. The Annual Meeting Sponsorship Committee will be chaired by Dr. Ron Apfelbaum and consist of R. Haid, R. Rodts, P. Gertzten, J. Knightly, M. Groff, M. McLaughlin, and will present their proposal to the Exec. Com. at the April AANS meeting.

Coding/CPT Committee – Bill Mitchell participated by conference call. He is currently the Section liaison to the Coding and Reimbursement Committee of the AANS.

He reported on Arthroplasty Codes and the history of Tracking codes and the process for moving from Category 3 to Category 1 codes. Dr. Heary expressed his concern about not having approach codes. Dr. Mitchell gave the rationale for avoidance of approach codes.

Kyphoplasty codes will have Fluoro or CT separately reportable and the expected value for the Kyphoplasty code will be similar to Vertebroplasty. Spinal I and D codes for subfascial exploration will have a Cervical/Thoracic and a Lumbar/Sacral code. Brachial Plexus exploration codes may be brought forward as a new family of codes. The peripheral nerve task force should work with Drs. Cozzens and Jacobs on this effort.

The last item was notice that the 5 year review of many of the most frequently used codes will be undertaken by the CPT committee this summer. The section should identify the undervalued codes, be accurate when completing the surveys, and should consider looking at other codes to bring forward for review. After discussion Dr. Rodts created an Ad Hoc Committee to develop the strategy for this code review. Dr. Heary will chair the group which will include T. Ryken, J. Alexander, D. Resnick, P. McCormick, J. Piper, W. Mitchell, and E. Zager. This group will present a report at the next Executive Com. meeting in April.

Treasurer's Report – Dr. Ryken presented the financial statements of the section from the AANS treasurer. The continued growth in section finances is evident both from Annual Meeting revenue and investment income. Graphs are included in the agenda book.

Exhibits Committee – Dr. McLaughlin will turn over this responsibility to Dr. Knightley. All of the Exhibit space was sold for this meeting and there were several new categories of vendors. He encouraged the Exec Com members to thank exhibitors for their participation.

Future Sites Committee – Dr. Alexander indicated that the 2006 meeting will be at the Wyndham Resort adjacent to the Disney properties in Orlando, March 8-12. The site for the 2007 meeting has not been finalized.

Education Committee – Dr. Hurlbert reported on the topics for the Section sessions at the AANS meeting in 2005 which will focus on lumbar disc arthroplasty. Suggestions for a topic for CNS 2005 were solicited and the proposed topic will be Spinal Alignment and Outcomes. Dr. Rodts discussed a proposal from the AANS to include a satellite spine meeting with the AANS Annual Meeting in 2006. The motion was made and passed unanimously that the Section opposes this proposal.

A reminder was given that the next Section Executive Committee meeting will be on April 18 from 1-2:45 in Rm. 272 in the New Orleans Convention Center.

Newsletter – There was no report from L. Khoo. Some concern was raised due to the lack of a newsletter since December 2003. Dr. Rodts wished to thank Dr. Khoo for his contributions and solicited recommendations for a newsletter committee chair. Dr. Julie York was nominated and will be appointed pending her acceptance. Dr. Hurlbert will forward newsletter templates and protocol to her for future use.

Rules and Regulations – Dr. DiRisio was not present but Dr. Branch reported that the changes approved by the membership in 2004 have been incorporated into the document. Current

discrepancies center around two published algorithms for election of officers in the rules and regulations. Dr. DiRisio will be notified of these discrepancies in Articles 4 and 5 and commissioned to rectify.

Nominating Committee – Dr. Haid reports that the committee proposes Dr. Charles Branch as Chair Elect. Nominations were solicited for member at large positions; names included M. Kaiser, C. Kuntz, A. Levy, I. Kalfas, G. Trost, P. Johnson, P. Arnold, D. Forney. Dr. Rodts recognizing that the committee had one vacancy appointed Dr. Apfelbaum to assist the committee in delivering a nomination slate to the Annual Business meeting on Friday. In addition to the Chair Elect, and Member at Large, the Secretary position will require a nomination to fill the vacancy left with Dr. Branch's nomination to Chair Elect.

Dr. Rodts with the approval of the Exec Com appointed Dr. R. Midha, and Dr. R. Apfelbaum to begin terms on the Nominating committee in 2005. Midha for a 3 yr term and Apfelbaum for a two year term.

Research and Awards Committee – Again the Exec Com recognized the untimely passing of Mitch Gropper. Dr Rodts appointed Chris Wolfla to the chair of this committee. At this time the education committee is included in the roster of the research and awards committee. Dr. Wolfla will review and report on the committee membership so that it complies with the rules and regulations of the Section. The Award recipients for 2005 were noted and are published in the Annual Meeting Program.

Guidelines Committee – Dr. Resnick reported that the fusion guidelines have been completed and funded by the section. Sponsorship for publication is still being solicited. Dr. Rodts thanked Dr. Resnick for his effort upon the completion of his term as Chair. Dr. Paul Matz was appointed to Chair this committee. Current committee members include M. Groff, L. Khoo, A. Dailey, T. Choudri, M. Hadley, and B. Walters.

Publications Committee – Dr. Shaffrey reported that the Journal of Neurosurgery Spine wishes to continue its solicitation and publication of manuscripts from the Section Annual Meeting in a special edition later in the calendar year. This proposal was unanimously endorsed by the Exec Com with an ongoing approval.

Fellowship Committee – Dr. Alexander reports that a meeting of Fellowship directors will take place immediately following the Exec Com meeting and that a report will be forthcoming at the Exec Com meeting in April. It was noted that there is currently not a standing or ad hoc fellowship committee and Dr. Rodts appointed J. Alexander to chair this committee. The following were appointed to membership on the committee; S. Ondra, C. Shaffrey, Z. Gokaslan, and C. Kuntz.

Outcomes Committee – Dr. Gersten asked to be relieved of the chair duty. Dr. Rodts appointed M. Kaiser and T. Choudri as co-chairs of this committee.

Washington Committee – Dr. Rodts will be the Section liaison to the Washington Committee for 05-06.

Public Relations Committee – Dr. Choudhri reported on a desire to create a logo and queried if this was permissible by the parent organizations. He also indicated that this committee would handle newsletter responsibility if necessary.

The Section Executive Committee then entered into a period of discussion regarding the performance of the Annual Meeting service provided by the AANS. Major concerns were expressed by the Annual Meeting leaderships concerning not only quality of the service provided but regarding some perceived competitive or obstructive issues because of the proximity of the Section Annual Meeting to the AANS Annual Meeting. Dr. Rodts will communicate the Sections displeasure over these issues and request a meeting with Tom Marshall, Exec Director of the AANS to resolve or rectify these issues prior to the Section Exec Com meeting in April. The Section Exec Com proposes the creation of a separate administrative position outside of the AANS office to provide institutional memory to the Section and to direct annual meeting planning and perform other liaison services.

### **New Business**

Dr Rodts presented a request from AANS membership regarding hyperhidrosis endoscopic procedure. No action was taken.

Integra Kline fellowship will be offered again and the corporate sponsorship solicited for a 5 year term.

Establishment of Section Archives in a private area of the website was proposed. We will accumulate prior minutes for digitalization and deposit into the website.

There being no further business the meeting was adjourned at 12:30 pm.

Minutes recorded and submitted by:

Charles L. Branch Jr., MD  
Secretary, Section Executive Committee

Attachments include updated Exec Com leadership and committee membership grid.

Executive Committee  
**Officers and Committee Chairs**  
**JOINT SECTION ON DISORDERS OF THE SPINE & PERIPHERAL NERVES**  
**March 10, 2005**

Position	2002-03	2003-04	2004-05	2005-06
Chair	N.Baldwin	R.Haid	G. Rodts	R. Heary
Chair Elect	R.Haid	G.Rodts	R. Heary	C. Branch (nom)
Immediate Past Chair	P.McCormick	N.Baldwin	R. Haid	G. Rodts
Secretary	C.Branch	C.Branch	C. Branch	D.Resnick(nom)
Treasurer	R.Rodts	T.Ryken	T. Ryken	T. Ryken
Members at Large	H.L.Harkey R. Heary R. Apfelbaum	R.Heary R. Apfelbaum J. Alexander	D. Kim R. Apfelbaum J. Alexander	J. Alexander D. Kim K. Foley (nom)
Ex-Officio Members	D.Kim S. Zeidman	R. Heary Z. Gokaslan	Z. Gokaslan	Z. Gokaslan
Annual Meeting Chair	J.Alexander	D.Resnick	C. Shaffrey	M. Groff
Scientific Program Chair	D. Resnick	C. Shaffrey	M. Groff	M. McLaughlin
Exhibit Chair	M.McLaughlin	M.McLaughlin/Knightly	M.McLaughlin	J. Knightley
Future Sites	S.Papadopoulos	J. Alexander	J. Alexander	J. Alexander
Education Committee Chair	R.Heary	J.Hurlbert	J. Hurlbert	J. Hurlbert
CME Representative	T.Ryken	T.Ryken	T. Ryken	T. Ryken
Newsletter	J.Hurlbert	Hurlbert/Khoo	L. Khoo	J. York
Rules and Regulations Chair	D.DiRisio	D.DiRisio	D. DiRisio	D. DiRisio
Nominating Committee Chair	P.McCormick	N.Baldwin	R. Haid	R. Rodts
Research and Awards Committee Chair	C.Paramore		J.Guest	C. Wolfla
Publications Committee Chair	V.Traynelis	V.Traynelis	C. Dickman	C. Dickman
Web Site Committee Chair	A.Levi	Levi/Wolfla	C. Wolfla	C. Wolfla
Guidelines Committee Chair	D.Resnick	D.Resnick	D. Resnick	P. Matz
Membership Committee	C.Lauryssen	G.Trost	G. Trost	G. Trost
Outcomes Committee Chair	P.Gerszten	P.Gerszten	P. Gerszten	M. Kaiser T. Choudhri
CPT Committee	J.Piper G. Przybylski	W.Mitchell G. Przybylski	W. Mitchell	W. Mitchell R. Johnson
Peripheral Nerve Task Force Chair	R.Midha	R.Midha	R. Midha	E. Zager
Washington/FDA	R.Fessler	Fessler/McCormick	P. McCormick	R. Rodts
Section Rep.,P.A.C.	S.Ondra	S.Ondra	S. Ondra	S. Ondra
Public Relations	G. Pait	G. Pait	C. Kuntz T.Choudhri	C. Kuntz T. Choudhri
Fellowships				J. Alexander

# JOINT SECTION ON DISORDERS OF THE SPINE & PERIPHERAL NERVES

## Committee Membership

March 10, 2005

	2002-03	2003-04	2004-05	2005-06
Nominating Committee Member	N.Epstein	R.Fessler	J. Campbell	V. Traynelis
	R.Fessler	J.Campbell	V. Traynelis	R. Apfelbaum
	J.Campbell	V.Traynelis	R. Apfelbaum	R. Midha
Strategic Planning Committee	N.Baldwin	R.Haid	R. Rodts	R. Heary
	P.McCormick	C.Branch	R. Heary	C. Branch
	R.Rodts	R.Rodts	C. Branch	T. Ryken
	C.Branch	T.Ryken	T. Ryken	G. Rodts
	R.Haid	N. Baldwin	R. Haid	
Outcomes Committee	P.McCormick			
	W.Rosenberg			
	J.King,Jr.			
	G.Przybylski			
	D.Resnick			
	E.Berger			
	M.Groff			
	J.Alexander			
Research and Awards Committee	C.Wolfla	C.Wolfla	J. Guest	C. Wolfla
	P.Sawin	P.Sawin	C. Wolfla	J. Guest
		G.Trost	G. Trost	G. Trost
			C. Shaffrey	C. Shaffrey
Education Committee			J. Hurlbert	J. Hurlbert
			R. Midha	R. Midha
			R. Foley	R. Foley
Spine Fusion Task Force			P. McCormick	P. McCormick
			C. Dickman	C. Dickman
			R. Fessler	R. Fessler
			D. Resnick	D. Resnick
			C. Shaffrey	C. Shaffrey
			V. Traynelis	V. Traynelis
Fellowships				J. Alexander S. Ondra C. Shaffrey Z. Gokaslan C. Kuntz
Guidelines				P. Matz M. Groff L. Khoo A. Dailey T. Choudhri M. Hadley B. Walters

Tuesday, March 8, 2005

The section has decided to establish 3 year agreements with its major sponsors rather than the current practice of reestablishing support yearly. This was designed to give all sponsors equal access to desirable funding opportunities and give the section a longer horizon for financial planning.

To date Depuy Spine and Synthes have agreed to the three year plan while MSD has only signed up for one year and deferred their decision.

The expected sponsorship grid for the next several years:

	2005	2006	2007
Executive Committee Dinner	Synthes	Depuy	Medtronic
Chairman's Dinner	Medtronic	Synthes	Depuy
Young Surgeon's Dinner	Depuy	Medtronic	Synthes



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

**JW Marriott Desert Ridge Resort and Spa, Desert Suite 3  
Phoenix, Arizona  
Friday, March 11, 2005  
12:30 p.m.**

The meeting was called to order by Dr. R. Rodts, Chairperson of the Section.

The minutes of the meeting from March of 2004 were presented on the projection screen and read by the members present. A motion was made to approve those minutes.

The Treasurer's report was presented by Dr. Branch in Dr. Ryken's absence. There appears to be a healthy balance sheet with ongoing annual income in the range of \$100,000. Long-term investment pool has grown and in the next year the Section will again consider making another contribution to the long-term investment pool.

A report from the Chair reviewed highlights of the 2005 annual meeting, long-term sponsor of management agreement, and the creation of an ad hoc committee to streamline this proposal. Consideration of the CPT coding five-year review was delivered, and the creation of an ad hoc committee by the Section to assist in this review was proposed. The Section's presentations at the AANS and CNS meetings were also discussed. There will be a new editor for the newsletter.

After the completion of the report from the Chair, the Nominating Committee made their presentation. The nomination for the Chair-Elect was Dr. Charles Branch, Jr., for Secretary, Dr. Dan Resnick, and for Member-At-Large, Dr. Kevin Foley. The membership will be instructed to consider these nominations and then an electronic distribution of the ballot will be made in two weeks and this election completed by April 10<sup>th</sup> prior to the Spine Section's Executive Committee meeting at the AANS annual meeting.

The floor was opened for new business. The Chair recognized Dr. Herb Bell who has been present at the Business Meeting since 1989. There being no further new business, the Chair recognized Dr. Robert Heary as the incoming Chairperson for the Section. The meeting was then adjourned at 12:45 p.m.

Minutes submitted by:

Charles L. Branch, Jr., M.D.

CLB/ajb

From: F. P. Wirth [fpwirth@bellsouth.net]  
Sent: Friday, March 18, 2005 6:16 AM  
To: 'Gerald Rodts'  
Cc: 'Rar (E-mail)'; Resnick (Daniel); tryken@razi.surgery.uiowa.edu;  
heary@umdnj.edu; cbranch@wfubmc.edu  
Subject: RE: Spine Symposium

Rusty,

Thank you for the feedback on the proposed spine symposium. Your response confirms for me what I had sensed from earlier conversation, that this idea was not going to work for a variety of reasons. I have no problem with the Section's recommendation and certainly would not pursue a symposium without the support of the Section. This was simply my suggestion for something new which I thought would appeal to our members.

I agree with you and I gather the leadership of the section that the proximity of the AANS and the Section meetings is a potential problem for both organizations. Charlie Branch informed me that the Section preferred and historically had met during the last 2 weeks of February. I do not know how the meeting date for the Section has moved into March. Clearly if the Section could move back toward the more traditional earlier date much of this difficulty could be averted. The AANS needs to try and avoid early April and certainly March as well. As you may or may not be aware, however, the dates for the AANS because of the meeting size are not as flexible and are in fact already set into 2015.

I am concerned about the suggestion that staff may have tried to divert funds from the Section exhibits to those of the AANS. I hope you can provide me with the specifics so that I can follow up on this issue and speak with the corporate representatives involved. This is certainly not what should happen and I need to have the details. We are the same people (that is the Section and the AANS) and I believe this sort of activity sends the wrong message to industry.

I am also concerned about the meeting planning problems which you experienced. I hope that we can find a time in New Orleans when I can meet with you and Tom Marshall to discuss this problem.

Thank you again for the information. I am optimistic that we can work our way thru these issues in a mutually satisfactory manner. I look forward to seeing you in New Orleans.

Phil

-----Original Message-----

From: Gerald Rodts [mailto:Gerald\_Rodts@emoryhealthcare.org]  
Sent: Thursday, March 17, 2005 1:39 PM  
To: fpwirth@bellsouth.net  
Cc: rar@case.edu; resnick@neurosurg.wisc.edu; tryken@razi.surgery.uiowa.edu;  
heary@umdnj.edu; cbranch@wfubmc.edu  
Subject: Spine Symposium

Phil:

I want to communicate to you some discussion that took place at the Spine Section Executive Committee last week. We just held our annual meeting in Phoenix. I put on the agenda a broader discussion of the proposed spine symposium at the 2006 AANS meeting. A smaller group had exchanged opinions in an email discourse weeks earlier.

The Spine Executive Comm. was unanimous in being strongly opposed to having a satellite spine symposium at the AANS meeting next year or any year.

As the smaller email-discussion group had felt, the Ex. Comm. felt that the proximity in time of the AANS meeting to the Spine Section meeting would be deleterious to attendance at our meeting. It was felt that the usual Section program that takes place at the regular AANS meeting is sufficient in accomplishing our educational goals. Less important though measurable would be the difficulty in developing the scientific program and faculty for one meeting almost simultaneously with the other. Furthermore, we already have seen a direct conflict of interest arise when the AANS staff is burdened by having two competing motivations: raise money and sell exhibit space for the Section AND raise money and sell space for the larger AANS meeting that soon follows. I have received feedback from two corporations in the past few weeks that funds for the AANS meeting were solicited in the same breath as for the Section meeting and that efforts were made to direct funds potentially earmarked for the Section meeting to the AANS meeting.

Meeting planning and management of the Spine Section Annual Meeting is a separate matter but was also discussed in great detail at the Spine Ex. Comm. meeting. I am drafting a letter to Tom Marshall that will outline some of the difficulties and challenges that we faced in putting together this year's meeting. In the letter will be a request to meet with Tom in New Orleans during the AANS meeting to discuss the future of the Spine Section meeting management. There are several problems that must get rectified.

Bob Heary at UMDNJ in New Jersey has just taken over as Chairman of the Section. I have copied Bob, our Treasurer Tim Ryken (Iowa), and our Secretary Charlie Branch (Wake Forest, N.C.) on this email. Dan Resnick (Wisconsin) will likely be taking over from Charlie as Secretary after our election of officers in a few weeks. I look forward to seeing you in New Orleans.

Sincerely,  
Rusty Rodts  
Gerald E. Rodts, Jr., M.D.  
Professor, Neurosurgery  
550 Peachtree St., N.E., Suite 806  
Atlanta, GA 30308  
Tel. 404-686-8101  
Fax 404-686-4805

THE EMORY CLINIC, INC.  
CRAWFORD LONG CAMPUS  
Gerald E. Rodts, MD  
Neurosurgery  
Medical Office Tower, 8th Floor  
Crawford Long Campus  
550 Peachtree Street, NE  
Atlanta, Georgia 30308-2247  
23 March 2005  
Phone: 404-686-8101  
Fax 404-686-4805  
Tom Marshall  
Executive Director  
American Association of Neurological Surgeons  
5550 Meadowbrook Drive  
Rolling Meadows, Illinois 60008-3852

Dear Tom:

The AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves just enjoyed a successful annual meeting in Phoenix. The final product produced, however, came at a difficult price. We were disappointed by the service we received from the staff involved in meeting management. I wish to communicate to you some of those concerns, and also propose a few meeting "may evolve more smoothly. These concerns were not voiced in the month or two prior to the meeting for fear that we would jeopardize what was left to accomplish.

In general, Angie Silberhorn was not pro-active in ways that would have benefited the busy surgeons involved in the scientific planning and annual meeting committees. On the flip side, she took the initiative in some decisions that should have been discussed with the scientific program chairman, annual meeting chairman, and Section chairman (but were not). Whether it has been working with the AANS on previous Spine Section meetings or working with outside vendors on other neurosurgery or spine meetings, many of us had become accustomed to better organization and attention to details.

I can give you a few examples. We were asked to produce our own amounts for invited guest travel budgets. Later we found out that the AANS office had those numbers from last year all along. Angie had refused to send out invitations to invited guests until all funding was secured. This resulted in unnecessary delays. Angie also had assumed that abstracts could not be evaluated until after the preliminary program was complete. This was very frustrating for Michael Groff (SPC) and his committee. Early in the fall, a suggested deadline for the preliminary program was sent out to us from the AANS, but then there was no follow-up until we were told that we were "many weeks behind schedule." Though it was ultimately the responsibility of the surgeons involved to be on time, we certainly are used to meeting managers that are more persistent in reminding and hounding us to deliver. One e-mail followed by months of no communication doesn't work well with busy surgeons.

Another source of frustration was the decision by the AANS staff to release the hotel room block to industry without any consultation with us. As it turned out, many surgeons

were forced to go off-site after rooms were turned over to the hotel and subsequently filled by corporate representatives and others.

E-mail invitations were sent out for the prestigious Chairman's dinner (with my approval, as an attempt to save money). Unfortunately, no follow-up was made for non-responders. As it turned out, many people later told me they never got the email due to changes in email address or firewall limits, etc. Several of my close friends had assumed they weren't invited. It was embarrassing to be calling their hotel rooms the day of the dinner trying to reach them, many did not attend.

We also had problems with our (historically) largest contributor, Medtronic Sofamor Danek). Mikki Speed laid claim very early on last year for the space they wanted to purchase. It was subsequently given to Depuy Spine instead. Medtronic was furious and came very close to pulling out from the whole meeting (with approximately \$60K in exhibit sales and grant support). This problem necessitated additional meetings between me and Medtronic here in Atlanta to salvage the situation (which we did).

Of particular concern was feedback we received from two companies that told us that funding for the AANS annual meeting was brought up in the same conversation with AANS staff that had called to garner support of the Section meeting. This issue has come up in years past. Among the members of the Section and its Executive Committee, there is great concern that there is an unavoidable conflict of interest within the AANS office when trying to plan and manage two meetings that are very close in time of the year each year. Some members are downright suspicious that there is a conscious effort to undermine the success of the Spine Section so that the AANS Annual Meeting takes on greater importance.

The Spine Executive Committee has serious concerns about next year's and future years' meetings. There was unanimous support for sending out requests for proposals to firms outside the AANS. There was also unanimous support for hiring an independent professional to serve as coordinator and overseer who would interact directly with the AANS staff. Since this option would involve a contract, it would need approval by the CNS Executive Committee and the AANS Board of Directors. It is very unclear to the Spine Executive Committee how we can maintain consistency and satisfactory meeting management within the AANS office, though we are open to discussion. Nor is our goal to dissolve the organization and establish a new independent organization. We believe it is in the best interest of organized neurosurgery for the Spine Section to remain in its current structure and to serve as the key resource for spine issues facing the AANS and CNS.

Bob Heary (new Chairman), Charlie Branch (immediate past-Secretary), (Dan Resnick (new Secretary), Michael Groff (past-SPC and new Annual Meeting Chairman), Mark McLaughlin (new SPC), and I (past-Chairman) would like to schedule some time in New Orleans to discuss these issues and possible solutions.

Sincerely,

Gerald E. Rodts, Jr., M.D.

Past-Chairman, Spine Section

**21<sup>st</sup> Annual Meeting of the AANS/CNS Section on  
Disorders of the Spine and Peripheral Nerves  
March 9-12, 2005  
Phoenix, AZ**

**Final Registration Numbers**

Spine Members	198
Non-Members	51
Residents	37
Nurses	15
Physician Assistants	17
NASS Members	28
<b>Total Medical</b>	<b>346</b>
Spouse/Guests	59
Children	32
Exhibitors	322
<b>Total Attendance</b>	<b>759</b>

**Final Housing Pickup**

<b>Date</b>	<b>Actual Pickup</b>	<b>Rooms Blocked</b>
Sunday, March 6	2	0
Monday, March 7	19	28
Tuesday, March 8	138	165
Wednesday, March 9	399	460
Thursday, March 10	412	470
Friday, March 11	330	400
Saturday, March 12	100	180
Sunday, March 13	5	0
<b>Total Rooms</b>	<b>1,405</b>	<b>1,703</b>
<i>Note: Overall room block slipped 21%</i>		

**Special Courses**

<b>Special Course</b>	<b>Tickets Sold</b>	<b>Tickets Available</b>
#I – Modern Management of Spinal Neoplasia	43	75
II – Arthroplasty Techniques	62	75
III – Analysis of Lumbar Fusion	44	45
IV – ABC's of Peripheral Nerve surgery	61	75
V – Intro to Bone biology	49	75



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**Miscellaneous Activities**

<b>Activity</b>	<b>Tickets Sold</b>	<b>Tickets Available</b>
Nurses Symposium	33	75
Golf Tournament	40	40
Tennis Round-robin	7	0

**Note:** *22 Spine Section members took advantage of paying their dues online through the Annual Meeting registration process.*



MessageFrom: Mitchell, William [WMitchell@solarishs.org]  
Sent: Friday, March 18, 2005 5:18 PM  
To: heary@umdnj.edu  
Cc: Mitchell, William  
Subject: 5yr review codes and RVUs 2005

Bob:

Below is list of codes CMS placed on 5 year review list. Societies have until 12 noon on 3/24/05 to respond with their level of interest (LOI). The LOI indicates whether a society will survey the code, make comments, or not survey and not comment. Societies can add other codes at a later date if they believe tat they were affected. I also added values for PLIF and additional level.

Please note that these are 2005 total RVUs Nonfacility and facility w/ CF \$37.9.

CODE	DESCRIPTION	NON-FACILITY (\$)	FACILITY (\$)
22520	vertebroplasty (thoracic)	- 71.98 (\$2,727.86)	15.42 (\$584.38)
22554	anterior cervical arthrodesis below C2	- N/A	35.26 (\$1,336.27)
22612	posterolateral arthrodesis lumbar	- N/A	39.53 (\$1,498.09)
22840	posterior nonsegmental instrumentation	- N/A	21.72 (\$823.13)
63047	posterior lumbar laminectomy	- N/A	27.63 (\$1,047.11)
63048	posterior laminectomy additional level	- N/A	5.63 (\$213.36)
63075	anterior cervical diskectomy	- N/A	35.95 (\$1,362.42)
64721	carpal tunnel release	- N/A	10.36 (\$392.62)
22630	PLIF	- N/A	39 (\$1,478.00)
22632	PLIF additional level	- N/A	9.02 (\$341.84)

Bill Mitchell

## **Outcomes Committee for the AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves**

### **I. Function**

- a. Provide educational opportunities at the annual meetings (Joint Section/AANS/CNS).
  - i. Accurate interpretation of clinical research
  - ii. Development of an appropriate study design
  - iii. Value of clinical outcome analysis
- b. Construct task force to determine/develop most appropriate outcome tools for clinical spine research
- c. Provide guidelines to surgeon-investigators so that appropriate Class I evidence can be generated for peer review
  - i. Newsletters
  - ii. Topic Review Publication
- d. Solicit and support appropriate epidemiological studies to address current topics of interest (e.g. TDR)
  - i. Develop system to register well designed trials with outcomes committee
  - ii. Act as peer review committee to assist surgeon-investigators in the development of appropriate study design prior to study initiation.
- e. Act as a resource for public relations to make the media aware of the Section's efforts to support studies to optimize surgical treatments

### **II. Structure**

- a. Committee Chairman – Appointed by Joint Section Executive Committee
- b. Committee Members – Appointed by Chairman

### **III. Meetings**

- a. Chairman will attend Joint Section Executive Committee Meetings
- b. Chairman or appointed delegate will attend scientific planning committee meeting for the Joint Section Annual Meeting.
- c. Committee will meet during various annual meetings
  - i. To be determined by the Chairman

Respectfully Submitted by Michael Kaiser

Young Neurosurgeons Committee Liaison  
From: Chris Philips [cap@aans.org]  
Sent: Tuesday, April 05, 2005 10:35 AM  
To: Dr. Rodts  
Subject: Young Neurosurgeons Committee Liaison

Dear Dr. Rodts,

Just a reminder that the liaison to the Spine Section from the Young Neurosurgeon's Committee is

Tanvir F. Choudhri, MD  
Mount Sinai School of Medicine  
1 Gustave L. Levy Pl./Box 1136  
New York, NY 10029-0000  
Tanvir.Choudhri@mountsinai.org  
Phone: (212)241-8560  
Fax: (212)831-3324

Dr. Choudhri is coming to the end of this term and a new YNC member will be selected to liaise with the Section. When I have the new individual, I will share it with Dr. Heary.

Chris

Chris Ann Philips  
Director, Member Services  
American Association of Neurological Surgeons  
5550 Meadowbrook Drive  
Young Neurosurgeons Committee Liaison  
From: Chris

**AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS  
AANS/CNS SECTION ON DISORDERS OF THE SPINE AND PERIPHERAL NERVES  
ANNUAL MEETING  
MARCH 9-12, 2005 - PHOENIX, ARIZONA  
MEETING EVALUATION**

American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
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OVERALL MEETING EVALUATION

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<u>ABSTRACT PRESENTATIONS</u>													
1. Balanced selection of papers: .....	1.7	49	100.0	22	44.9%	23	46.9%	3	6.1%	1	2.0%	–	–
2. Originality of the papers presented: .....	1.8	48	100.0	17	35.4	24	50.0	6	12.5	1	2.1	–	–
3. Content relevant to my practice: .....	1.7	49	100.0	23	46.9	19	38.8	7	14.3	–	–	–	–
4. Opportunity for questions/discussion: .....	1.7	49	100.0	18	36.7	27	55.1	3	6.1	1	2.0	–	–
<u>OVERALL PROGRAM</u>													
5. Overall impression of the meeting: .....	1.5	51	100.0	29	56.9	20	39.2	1	2.0	–	–	1	2.0%
6. Level to which the Annual Meeting met my expectations was: .....	1.6	51	100.0	28	54.9	18	35.3	3	5.9	1	2.0	1	2.0
7. The duration of the meeting is: A. Just Right B. Too Long C. Too Short .....	1.1	50	100.0	46	92.0	3	6.0	1	2.0	–	–	–	–
8. Quality of the audiovisual: .....	1.3	49	100.0	38	77.6	9	18.4	2	4.1	–	–	–	–
9. Meeting location: .....	1.2	51	100.0	46	90.2	3	5.9	1	2.0	–	–	1	2.0
10. Hotel accommodations and service staff met my expectations: .....	1.2	48	100.0	42	87.5	4	8.3	2	4.2	–	–	–	–
11. Pricing of hotel/resort accommodations: .....	2.2	48	100.0	13	27.1	20	41.7	10	20.8	2	4.2	3	6.2
12. The overall cost to attend the meeting is: A. Reasonable B. Moderate C. Too Expensive .....	1.8	48	100.0	16	33.3	25	52.1	7	14.6	–	–	–	–
13. Did you perceive any commercial bias during the program ? A. Yes B. No .....	1.9	51	100.0	7	13.7	44	86.3	–	–	–	–	–	–
<u>EXHIBIT AND POSTER SESSION</u>													
14. The organization and content of the Poster Session was: .....	1.8	48	100.0	19	39.6	18	37.5	11	22.9	–	–	–	–
15. How many hours have you spent in the Exhibit Hall so far? A. Less than 1 Hour B. 1-2 Hours C. 2-3 Hours D. More than 4 Hours E. None .....	2.8	50	100.0	5	10.0	14	28.0	17	34.0	14	28.0	–	–
16. The quality of the Exhibit Program is: .....	1.9	49	100.0	18	36.7	20	40.8	11	22.4	–	–	–	–

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**SPECIAL COURSE I-MODERN MANAGEMENT OF SPINAL NEOPLASIA**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this special course I am able to:</b>													
Recognize spinal neoplasia and the appropriate management .....	1.5	13	100.0	6	46.2%	7	53.8%	–	–	–	–	–	–
Discuss advantages of anterior vs. posterior approaches and the indications for en bloc resection .....	1.6	13	100.0	6	46.2	6	46.2	1	7.7%	–	–	–	–
Identify the role of non-surgical modalities .....	1.9	13	100.0	3	23.1	8	61.5	2	15.4	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Mark H. Bilsky, MD .....	1.5	13	100.0	8	61.5	4	30.8	1	7.7	–	–	–	–
Peter C. Gerszten, MD, MPH .....	1.2	13	100.0	10	76.9	3	23.1	–	–	–	–	–	–
Ziya L. Gokaslan, MD, FACS .....	1.5	13	100.0	8	61.5	4	30.8	1	7.7	–	–	–	–
Kazutoshi Hida, MD .....	1.6	13	100.0	7	53.8	4	30.8	2	15.4	–	–	–	–
Paul C. McCormick, MD .....	1.2	12	100.0	9	75.0	3	25.0	–	–	–	–	–	–
Ehud Mendel, MD .....	1.5	12	100.0	7	58.3	4	33.3	1	8.3	–	–	–	–
Stephen L. Ondra, MD .....	1.3	12	100.0	8	66.7	4	33.3	–	–	–	–	–	–
Narayan Sundaresan, MD .....	1.4	13	100.0	9	69.2	3	23.1	1	7.7	–	–	–	–
Jeremy C. Wang, MD .....	1.4	12	100.0	7	58.3	5	41.7	–	–	–	–	–	–
William C. Welch, MD .....	1.5	13	100.0	8	61.5	4	30.8	1	7.7	–	–	–	–
<b>3. The level to which this special course met my expectations was: .....</b>	1.8	13	100.0	5	38.5	6	46.2	2	15.4	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.4	13	100.0	8	61.5	5	38.5	–	–	–	–	–	–
<b>5. The quality of the written material provided was: .....</b>	3.4	8	100.0	1	12.5	2	25.0	1	12.5	1	12.5%	3	37.5%
<b>6. The applicability of the information presented to my practice was: .....</b>	2.2	13	100.0	2	15.4	6	46.2	5	38.5	–	–	–	–
<b>7. The overall rating of this special course was: .....</b>	1.8	12	100.0	4	33.3	7	58.3	1	8.3	–	–	–	–

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**SPECIAL COURSE II-ARTHROPLASTY: TECHNIQUES AND INDICATIONS FOR THE CERVICAL AND LUMBAR SPINE**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this special course I am able to:</b>													
Recognize the indications and pitfalls of arthroplasty .....	1.6	19	100.0	9	47.4%	9	47.4%	1	5.3%	—	—	—	—
Identify the advantages of motion preservation .....	1.8	19	100.0	7	36.8	9	47.4	3	15.8	—	—	—	—
<b>2. The following speakers communicated clearly and effectively</b>													
Bryan W. Cunningham, MSc .....	1.6	19	100.0	9	47.4	9	47.4	1	5.3	—	—	—	—
Reginald J. Davis, MD, FACS .....	1.6	19	100.0	10	52.6	6	31.6	3	15.8	—	—	—	—
Fred H. Geisler, MD, PhD .....	1.3	18	100.0	13	72.2	4	22.2	1	5.6	—	—	—	—
Robert J. Hacker, MD .....	1.7	19	100.0	9	47.4	7	36.8	3	15.8	—	—	—	—
Regis W. Haid, Jr., MD .....	1.4	19	100.0	12	63.2	6	31.6	1	5.3	—	—	—	—
Paul McAfee, MD .....	1.5	19	100.0	11	57.9	7	36.8	1	5.3	—	—	—	—
Stephen M. Papadopoulos, MD .....	1.5	8	100.0	5	62.5	2	25.0	1	12.5	—	—	—	—
Luiz Pimenta, MD .....	1.8	18	100.0	7	38.9	7	38.9	4	22.2	—	—	—	—
Vincent C. Traynelis, MD .....	1.4	17	100.0	12	70.6	4	23.5	1	5.9	—	—	—	—
Alexander R. Vaccaro, MD .....	1.4	19	100.0	13	68.4	5	26.3	1	5.3	—	—	—	—
<b>3. The level to which this special course met my expectations was: .....</b>	1.6	19	100.0	9	47.4	8	42.1	2	10.5	—	—	—	—
<b>4. The opportunity for questions and discussion was: .....</b>	1.5	19	100.0	12	63.2	5	26.3	2	10.5	—	—	—	—
<b>5. The quality of the written material provided was: .....</b>	3.3	11	100.0	4	36.4	—	—	1	9.1	1	9.1%	5	45.5%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.6	19	100.0	9	47.4	8	42.1	2	10.5	—	—	—	—
<b>7. The overall rating of this special course was: .....</b>	1.5	19	100.0	11	57.9	7	36.8	1	5.3	—	—	—	—



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**SPECIAL COURSE III-ANALYSIS OF LUMBAR FUSION GUIDELINES AND APPLICATION TO CLINICAL PRACTICE**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this special course I am able to:</b>													
Distinguish the limitations and advantages of evidence based medicine .....	1.6	20	100.0	8	40.0%	11	55.0%	1	5.0%	-	-	-	-
Recognize the evidence for lumbar fusion in various indications .....	1.5	20	100.0	10	50.0	10	50.0	-	-	-	-	-	-
Discuss how to apply evidence based medicine in your practice .....	1.8	20	100.0	7	35.0	11	55.0	2	10.0	-	-	-	-
<b>2. The following speakers communicated clearly and effectively</b>													
Tanvir F. Choudhri, MD .....	1.5	21	100.0	11	52.4	9	42.9	1	4.8	-	-	-	-
Andrew T. Dailey, MD .....	1.5	21	100.0	10	47.6	11	52.4	-	-	-	-	-	-
Michael W. Groff, MD .....	1.4	21	100.0	13	61.9	7	33.3	1	4.8	-	-	-	-
Larry T. Khoo, MD .....	1.4	19	100.0	12	63.2	6	31.6	1	5.3	-	-	-	-
Paul G. Matz, MD .....	1.5	21	100.0	10	47.6	11	52.4	-	-	-	-	-	-
Praveen V. Mummaneni, MD .....	1.5	21	100.0	11	52.4	10	47.6	-	-	-	-	-	-
Daniel K. Resnick, MD .....	1.4	21	100.0	14	66.7	6	28.6	1	4.8	-	-	-	-
<b>3. The level to which this special course met my expectations was: .....</b>	1.4	21	100.0	13	61.9	8	38.1	-	-	-	-	-	-
<b>4. The opportunity for questions and discussion was: .....</b>	1.3	21	100.0	15	71.4	6	28.6	-	-	-	-	-	-
<b>5. The quality of the written material provided was: .....</b>	2.8	12	100.0	3	25.0	4	33.3	1	8.3	-	-	4	33.3%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.2	21	100.0	17	81.0	4	19.0	-	-	-	-	-	-
<b>7. The overall rating of this special course was: .....</b>	1.4	21	100.0	12	57.1	9	42.9	-	-	-	-	-	-

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**SCIENTIFIC SESSION I-CARE OF THE ATHLETE: PROFESSIONAL AND NON-PROFESSIONAL WEEKEND WARRIOR**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this general session I am able to:</b>													
Describe how to get athletes back to sports after lumbar discectomy ..	1.7	82	100.0	38	46.3%	34	41.5%	9	11.0%	1	1.2%	–	–
Discuss cervical neuropraxia and when to return to play .....	1.6	81	100.0	43	53.1	30	37.0	8	9.9	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Michael W. Collins, PhD .....	1.3	80	100.0	59	73.8	19	23.8	1	1.2	–	–	1	1.2%
Henry Feuer, MD .....	1.7	82	100.0	40	48.8	26	31.7	13	15.9	3	3.7	–	–
Joseph Charles Maroon, MD .....	1.4	84	100.0	58	69.0	21	25.0	4	4.8	1	1.2	–	–
Robert Watkins, MD .....	1.3	82	100.0	60	73.2	20	24.4	1	1.2	1	1.2	–	–
<b>3. The level to which this general session met my expectations was: .....</b>	1.6	85	100.0	43	50.6	37	43.5	4	4.7	1	1.2	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.5	85	100.0	55	64.7	21	24.7	9	10.6	–	–	–	–
<b>5. The quality of the written material provided was: .....</b>	2.6	46	100.0	13	28.3	14	30.4	7	15.2	1	2.2	11	23.9
<b>6. The applicability of the information presented to my practice was: .....</b>	2.0	84	100.0	26	31.0	41	48.8	12	14.3	5	6.0	–	–
<b>7. The overall rating of this general session was: .....</b>	1.5	84	100.0	43	51.2	37	44.0	3	3.6	1	1.2	–	–

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**SCIENTIFIC SESSION II-THE FUTURE OF SPINAL SURGERY**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this general session I am able to:</b>													
Describe the role of MIS in contemporary surgical practice .....	1.4	80	100.0	48	60.0%	28	35.0%	4	5.0%	—	—	—	—
Recognize the contra-indications to MIS .....	1.6	80	100.0	36	45.0	36	45.0	8	10.0	—	—	—	—
Distinguish the place of mini-open approaches in the continuum of open and MIS techniques .....	1.7	78	100.0	34	43.6	32	41.0	12	15.4	—	—	—	—
<b>2. The following speakers communicated clearly and effectively</b>													
Kevin T. Foley, MD .....	1.3	83	100.0	57	68.7	24	28.9	1	1.2	1	1.2%	—	—
Michael W. Groff, MD .....	1.5	69	100.0	36	52.2	30	43.5	2	2.9	1	1.4	—	—
Robert F. Heary, MD .....	1.5	84	100.0	51	60.7	29	34.5	3	3.6	1	1.2	—	—
Iain H. Kalfas, MD .....	1.4	84	100.0	53	63.1	30	35.7	—	—	1	1.2	—	—
Carl Laurysen, MD .....	1.6	81	100.0	42	51.9	32	39.5	5	6.2	2	2.5	—	—
Vincent C. Traynelis, MD .....	1.4	82	100.0	54	65.9	24	29.3	2	2.4	2	2.4	—	—
<b>3. The level to which this general session met my expectations was: .....</b>	1.6	84	100.0	42	50.0	37	44.0	5	6.0	—	—	—	—
<b>4. The opportunity for questions and discussion was: .....</b>	1.6	82	100.0	44	53.7	30	36.6	8	9.8	—	—	—	—
<b>5. The quality of the written material provided was: .....</b>	2.6	44	100.0	13	29.5	11	25.0	10	22.7	1	2.3	9	20.5%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.7	83	100.0	37	44.6	36	43.4	8	9.6	1	1.2	1	1.2
<b>7. The overall rating of this general session was: .....</b>	1.6	82	100.0	39	47.6	40	48.8	3	3.7	—	—	—	—

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SCIENTIFIC SESSION III-DEFORMITY

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this general session I am able to:</b>													
Assess sagittal plane deformity .....	1.5	77	100.0	44	57.1%	28	36.4%	5	6.5%	—	—	—	—
Indicate how and when to correct sagittal imbalance .....	1.6	76	100.0	41	53.9	26	34.2	8	10.5	1	1.3%	—	—
Recognize when a limited number of levels can appropriately address degenerative scoliosis .....	1.7	76	100.0	35	46.1	29	38.2	11	14.5	1	1.3	—	—
Identify the advantages of anterior vs posterior approach .....	1.8	76	100.0	38	50.0	23	30.3	12	15.8	2	2.6	1	1.3%
<b>2. The following speakers communicated clearly and effectively</b>													
Joseph T. Alexander, MD .....	1.3	76	100.0	51	67.1	25	32.9	—	—	—	—	—	—
Edward C. Benzel, MD .....	1.3	77	100.0	58	75.3	17	22.1	1	1.3	1	1.3	—	—
Sumon Bhattacharjee, MD .....	1.5	64	100.0	33	51.6	28	43.8	3	4.7	—	—	—	—
Bernard H. Guiot, MD .....	1.5	74	100.0	42	56.8	26	35.1	5	6.8	1	1.4	—	—
Juergen Harms, MD .....	1.9	77	100.0	31	40.3	28	36.4	13	16.9	4	5.2	1	1.3
Robert F. Heary, MD .....	1.4	74	100.0	47	63.5	27	36.5	—	—	—	—	—	—
J. Patrick Johnson, MD .....	1.4	75	100.0	47	62.7	24	32.0	4	5.3	—	—	—	—
Young Soo Kim, MD .....	1.6	63	100.0	30	47.6	28	44.4	4	6.3	1	1.6	—	—
John Joseph Knightly, MD .....	1.5	73	100.0	40	54.8	29	39.7	3	4.1	1	1.4	—	—
Charles Kuntz IV, MD .....	1.4	75	100.0	47	62.7	28	37.3	—	—	—	—	—	—
Praveen V. Mummaneni, MD .....	1.4	74	100.0	49	66.2	23	31.1	2	2.7	—	—	—	—
Stephen L. Ondra, MD .....	1.4	77	100.0	46	59.7	28	36.4	3	3.9	—	—	—	—
Christopher I. Shaffrey, MD .....	1.3	71	100.0	47	66.2	24	33.8	—	—	—	—	—	—
Julie E. York, MD .....	1.4	70	100.0	41	58.6	27	38.6	2	2.9	—	—	—	—
<b>3. The level to which this general session met my expectations was: .....</b>	1.6	80	100.0	39	48.8	33	41.2	7	8.8	1	1.2	—	—
<b>4. The opportunity for questions and discussion was: .....</b>	1.9	74	100.0	31	41.9	28	37.8	9	12.2	3	4.1	3	4.1
<b>5. The quality of the written material provided was: .....</b>	2.6	45	100.0	18	40.0	7	15.6	8	17.8	1	2.2	11	24.4

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SCIENTIFIC SESSION III-DEFORMITY

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sub>(1)</sub>		B <sub>(2)</sub>		C <sub>(3)</sub>		D <sub>(4)</sub>		E <sub>(5)</sub>	
6. The applicability of the information presented to my practice was: .....	2.1	79	100.0	30	38.0%	22	27.8%	22	27.8%	3	3.8%	2	2.5%
7. The overall rating of this general session was: .....	1.7	54	100.0	20	37.0	28	51.9	6	11.1	–	–	–	–

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**BIOLOGY OF BONE FUSION-A SPECIAL SYMPOSIUM FOR NURSES, NURSE PRACTITIONERS AND PHYSICIAN ASSISTANTS**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this symposium I am able to:</b>													
Explain the biology and physiology of bone fusion .....	1.3	10	100.0	8	80.0%	1	10.0%	1	10.0%	–	–	–	–
Discuss the advantages of various bone grafts and extenders .....	1.3	11	100.0	9	81.8	1	9.1	1	9.1	–	–	–	–
Describe the role of electrical stimulation and BMPs .....	1.3	10	100.0	8	80.0	1	10.0	1	10.0	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Fred H. Geisler, MD, PhD .....	1.6	11	100.0	6	54.5	3	27.3	2	18.2	–	–	–	–
Bernard H. Guiot, MD .....	1.4	7	100.0	5	71.4	1	14.3	1	14.3	–	–	–	–
Shannon A. Hagy, RN .....	1.3	11	100.0	9	81.8	1	9.1	1	9.1	–	–	–	–
Larry T. Khoo, MD .....	1.3	11	100.0	9	81.8	1	9.1	1	9.1	–	–	–	–
Michael A. Morone, MD, PhD .....	1.2	10	100.0	8	80.0	2	20.0	–	–	–	–	–	–
Daniel K. Resnick, MD .....	1.3	11	100.0	8	72.7	3	27.3	–	–	–	–	–	–
Christopher I. Shaffrey, MD .....	1.1	10	100.0	9	90.0	1	10.0	–	–	–	–	–	–
Andrea L. Strayer, MSN, CNRN .....	1.4	11	100.0	8	72.7	2	18.2	1	9.1	–	–	–	–
Thomas A. Szabo, PA-C .....	1.7	11	100.0	6	54.5	2	18.2	3	27.3	–	–	–	–
<b>3. The level to which this symposium met my expectations was: .....</b>	1.5	11	100.0	7	63.6	3	27.3	1	9.1	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.3	11	100.0	8	72.7	3	27.3	–	–	–	–	–	–
<b>5. The applicability of the information presented to my practice was: .....</b>	1.3	11	100.0	8	72.7	3	27.3	–	–	–	–	–	–
<b>6. The overall rating of this symposium was: .....</b>	1.3	11	100.0	9	81.8	1	9.1	1	9.1	–	–	–	–

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**SPECIAL COURSE IV-ABCs OF PERIPHERAL NERVE SURGERY**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this special course I am able to:</b>													
Discuss the basic information on diagnosis and management of common nerve injuries, nerve entrapments, and nerve disorders .....	1.4	21	100.0	13	61.9%	7	33.3%	1	4.8%	—	—	—	—
Prepare residents for the written board examinations and young neurosurgeons for the oral board examinations on nerve topics and questions .....	1.6	21	100.0	9	42.9	12	57.1	—	—	—	—	—	—
Indicate the diagnosis and differential diagnosis of nerve conditions, particularly those that have overlap to medical and spinal conditions ..	1.7	21	100.0	8	38.1	12	57.1	1	4.8	—	—	—	—
Distinguish those nerve conditions needing emergent and urgent management versus those that can be managed in a more delayed fashion .....	1.1	21	100.0	18	85.7	3	14.3	—	—	—	—	—	—
Manage common peripheral nerve conditions and distinguishing these from the unusual conditions which should be referred to subspecialists .....	1.5	21	100.0	12	57.1	8	38.1	1	4.8	—	—	—	—
<b>2. The following speakers communicated clearly and effectively</b>													
Allan J. Belzberg, MD .....	1.2	17	100.0	14	82.4	3	17.6	—	—	—	—	—	—
Holly S. Gilmer-Hill, MD .....	1.9	21	100.0	9	42.9	5	23.8	7	33.3	—	—	—	—
Line Jacques, MD .....	1.5	18	100.0	10	55.6	7	38.9	1	5.6	—	—	—	—
Allen H. Maniker, MD .....	1.2	21	100.0	16	76.2	5	23.8	—	—	—	—	—	—
John E. McGillicuddy, MD .....	1.3	21	100.0	15	71.4	6	28.6	—	—	—	—	—	—
Rajiv Midha, MD, MS, FRCS .....	1.4	20	100.0	15	75.0	3	15.0	2	10.0	—	—	—	—
Robert J. Spinner, MD .....	1.2	20	100.0	17	85.0	3	15.0	—	—	—	—	—	—
Eric L. Zager, MD .....	1.1	21	100.0	18	85.7	3	14.3	—	—	—	—	—	—
<b>3. The level to which this special course met my expectations was: .....</b>	1.6	21	100.0	11	52.4	8	38.1	2	9.5	—	—	—	—
<b>4. The opportunity for questions and discussion was: .....</b>	1.2	21	100.0	17	81.0	4	19.0	—	—	—	—	—	—
<b>5. The quality of the written material provided was: .....</b>	2.8	13	100.0	5	38.5	2	15.4	1	7.7	—	—	5	38.5%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.5	21	100.0	13	61.9	5	23.8	3	14.3	—	—	—	—

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**SPECIAL COURSE IV-ABCs OF PERIPHERAL NERVE SURGERY**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sub>(1)</sub>		B <sub>(2)</sub>		C <sub>(3)</sub>		D <sub>(4)</sub>		E <sub>(5)</sub>	
7. The overall rating of this special course was: .....	1.4	21	100.0	12	57.1%	9	42.9%	-	-	-	-	-	-



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**DAVID CAHILL MEMORIAL CONTROVERSIES SESSION**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this general session I am able to:</b>													
Summarize the advantages of laminoplasty and laminectomy with fusion for the treatment of cervical spondylosis .....	1.5	58	100.0	31	53.4%	24	41.4%	2	3.4%	1	1.7%	–	–
Discuss the role of interbody versus posterolateral fusion .....	1.4	58	100.0	37	63.8	20	34.5	1	1.7	–	–	–	–
Describe the role of arthroplasty versus arthrodesis in the management of cervical spondylosis .....	1.4	58	100.0	37	63.8	19	32.8	1	1.7	1	1.7	–	–
Summarize the role of reduction versus in situ arthrodesis in the management of high grade lumbar spondylolisthesis .....	1.4	58	100.0	36	62.1	19	32.8	3	5.2	–	–	–	–
Discuss the role of the early MRI versus rapid closed reduction in the case of incomplete cervical SCI .....	1.4	57	100.0	35	61.4	22	38.6	–	–	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Joseph T. Alexander, MD .....	1.4	56	100.0	36	64.3	18	32.1	2	3.6	–	–	–	–
Charles L. Branch, Jr., MD .....	1.4	57	100.0	37	64.9	16	28.1	3	5.3	1	1.8	–	–
Richard G. Fessler, MD, PhD .....	1.4	51	100.0	36	70.6	12	23.5	3	5.9	–	–	–	–
Robert F. Heary, MD .....	1.3	58	100.0	41	70.7	15	25.9	2	3.4	–	–	–	–
R. John Hurlbert, MD, PhD .....	1.3	58	100.0	40	69.0	16	27.6	2	3.4	–	–	–	–
Hiroshi Nakagawa, MD .....	1.8	60	100.0	28	46.7	20	33.3	9	15.0	3	5.0	–	–
Stephen L. Ondra, MD .....	1.4	60	100.0	38	63.3	19	31.7	3	5.0	–	–	–	–
Stephen M. Papadopoulos, MD .....	1.3	59	100.0	42	71.2	15	25.4	2	3.4	–	–	–	–
Daniel K. Resnick, MD .....	1.4	59	100.0	38	64.4	19	32.2	2	3.4	–	–	–	–
Rick C. Sasso, MD .....	1.4	60	100.0	41	68.3	16	26.7	3	5.0	–	–	–	–
Christopher I. Shaffrey, MD .....	1.3	52	100.0	36	69.2	14	26.9	2	3.8	–	–	–	–
Volker K. H. Sonntag, MD .....	1.2	61	100.0	46	75.4	15	24.6	–	–	–	–	–	–
<b>3. The level to which this general session met my expectations was: .....</b>	1.3	61	100.0	42	68.9	19	31.1	–	–	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	2.3	56	100.0	22	39.3	12	21.4	12	21.4	5	8.9	5	8.9%

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**DAVID CAHILL MEMORIAL CONTROVERSIES SESSION**

<b>SCALE</b> <b>A = EXCELLENT C = AVERAGE E = POOR</b>	<i>Mean</i>	<b>Total Response</b>		<b>A<sub>(1)</sub></b>		<b>B<sub>(2)</sub></b>		<b>C<sub>(3)</sub></b>		<b>D<sub>(4)</sub></b>		<b>E<sub>(5)</sub></b>	
5. The quality of the written material provided was: .....	2.2	36	100.0	15	41.7%	11	30.6%	4	11.1%	-	-	6	16.7%
6. The applicability of the information presented to my practice was: .....	1.4	61	100.0	37	60.7	24	39.3	-	-	-	-	-	-
7. The overall rating of this general session was: .....	1.3	42	100.0	30	71.4	12	28.6	-	-	-	-	-	-

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SCIENTIFIC SESSION IV-SYRINGOMYELIA

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
1. Because of this general session I am able to:													
Discuss the underlying abnormalities and appropriate treatment of syringomyelia .....	1.4	52	100.0	34	65.4%	16	30.8%	2	3.8%	–	–	–	–
2. The following speakers communicated clearly and effectively													
Ulrich Batzdorf, MD .....	1.3	52	100.0	39	75.0	10	19.2	3	5.8	–	–	–	–
3. The level to which this general session met my expectations was: .....	1.5	51	100.0	30	58.8	18	35.3	3	5.9	–	–	–	–
4. The opportunity for questions and discussion was: .....	1.7	47	100.0	24	51.1	15	31.9	5	10.6	2	4.3%	1	2.1%
5. The quality of the written material provided was: .....	2.3	33	100.0	12	36.4	10	30.3	6	18.2	–	–	5	15.2
6. The applicability of the information presented to my practice was: .....	1.7	52	100.0	26	50.0	18	34.6	7	13.5	–	–	1	1.9
7. The overall rating of this general session was: .....	1.5	51	100.0	30	58.8	19	37.3	2	3.9	–	–	–	–

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**SCIENTIFIC SESSION V-CERVICAL SPONDYLOSIS**

SCALE A = EXCELLENT C = AVERAGE E = POOR	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this general session I am able to:</b>													
Recognize the difference between OPLL and degenerative spondylosis .....	1.4	39	100.0	26	66.7%	12	30.8%	1	2.6%	–	–	–	–
Identify indications for anterior and posterior approaches .....	1.4	39	100.0	25	64.1	12	30.8	2	5.1	–	–	–	–
Distinguish the advantages and disadvantages of minimally invasive approaches .....	1.5	36	100.0	21	58.3	12	33.3	2	5.6	1	2.8%	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Curtis A. Dickman, MD .....	1.3	42	100.0	30	71.4	12	28.6	–	–	–	–	–	–
Richard G. Fessler, MD, PhD .....	1.3	42	100.0	28	66.7	14	33.3	–	–	–	–	–	–
Anthony K. Frempong-Boadu, MD .....	1.5	40	100.0	23	57.5	15	37.5	1	2.5	–	–	1	2.5%
Michael G. Kaiser, MD .....	1.4	36	100.0	24	66.7	11	30.6	1	2.8	–	–	–	–
Junichi Mizuno, MD .....	1.4	34	100.0	21	61.8	12	35.3	1	2.9	–	–	–	–
Hiroshi Nakagawa, MD .....	1.6	41	100.0	22	53.7	15	36.6	3	7.3	1	2.4	–	–
<b>3. The level to which this general session met my expectations was: .....</b>	1.6	41	100.0	20	48.8	19	46.3	2	4.9	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.8	39	100.0	20	51.3	11	28.2	5	12.8	2	5.1	1	2.6
<b>5. The quality of the written material provided was: .....</b>	2.2	29	100.0	12	41.4	7	24.1	6	20.7	–	–	4	13.8
<b>6. The applicability of the information presented to my practice was: .....</b>	1.5	42	100.0	22	52.4	18	42.9	2	4.8	–	–	–	–
<b>7. The overall rating of this general session was: .....</b>	1.5	42	100.0	23	54.8	17	40.5	2	4.8	–	–	–	–

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SCIENTIFIC SESSION VI-CONTEMPORARY ISSUES IN SPINAL CORD INJURY

	Mean	Total Response		A (1)		B (2)		C (3)		D (4)		E (5)	
<b>1. Because of this general session I am able to:</b>													
Identify the mechanisms of spinal cord injury and the rationale and success of novel treatment strategies including genomic reprogramming, oscillating field stimulation and stem cell transplantation .....	1.4	30	100.0	20	66.7%	8	26.7%	2	6.7%	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
James D. Guest, MD, PhD .....	1.4	36	100.0	23	63.9	13	36.1	–	–	–	–	–	–
R. John Hurlbert, MD, PhD .....	1.2	28	100.0	22	78.6	6	21.4	–	–	–	–	–	–
Daniel K. Resnick, MD .....	1.3	35	100.0	26	74.3	9	25.7	–	–	–	–	–	–
Scott A. Shapiro, MD .....	1.3	32	100.0	23	71.9	9	28.1	–	–	–	–	–	–
<b>3. The level to which this general session met my expectations was: .....</b>	1.4	31	100.0	19	61.3	11	35.5	1	3.2	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.7	31	100.0	16	51.6	11	35.5	2	6.5	2	6.5%	–	–
<b>5. The quality of the written material provided was: .....</b>	2.1	27	100.0	12	44.4	5	18.5	7	25.9	–	–	3	11.1%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.8	32	100.0	17	53.1	7	21.9	7	21.9	1	3.1	–	–
<b>7. The overall rating of this general session was: .....</b>	1.4	32	100.0	21	65.6	10	31.2	1	3.1	–	–	–	–

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**SPECIAL COURSE V-AN INTRODUCTION TO BONE BIOLOGY AND FUSION AUGMENTATION**

	Mean	Total Response		A <sup>(1)</sup>		B <sup>(2)</sup>		C <sup>(3)</sup>		D <sup>(4)</sup>		E <sup>(5)</sup>	
<b>1. Because of this special course I am able to:</b>													
Explain the biology and physiology of bone fusion .....	1.6	9	100.0	5	55.6%	3	33.3%	1	11.1%	–	–	–	–
Discuss the advantages of various bone grafts and extenders .....	1.5	10	100.0	5	50.0	5	50.0	–	–	–	–	–	–
Describe the role of electrical stimulation and BMPs .....	1.6	10	100.0	5	50.0	4	40.0	1	10.0	–	–	–	–
<b>2. The following speakers communicated clearly and effectively</b>													
Ronald H. M. A. Bartels, MD .....	2.0	12	100.0	3	25.0	6	50.0	3	25.0	–	–	–	–
Fred H. Geisler, MD, PhD .....	1.6	12	100.0	5	41.7	7	58.3	–	–	–	–	–	–
Bernard H. Guiot, MD .....	1.7	9	100.0	3	33.3	6	66.7	–	–	–	–	–	–
Larry T. Khoo, MD .....	1.9	11	100.0	3	27.3	7	63.6	–	–	1	9.1%	–	–
Michael A. Morone, MD, PhD .....	1.7	11	100.0	3	27.3	8	72.7	–	–	–	–	–	–
Daniel K. Resnick, MD .....	1.6	11	100.0	4	36.4	7	63.6	–	–	–	–	–	–
Christopher I. Shaffrey, MD .....	1.8	10	100.0	3	30.0	6	60.0	1	10.0	–	–	–	–
Jeffrey Wang, MD .....	1.4	12	100.0	7	58.3	5	41.7	–	–	–	–	–	–
<b>3. The level to which this special course met my expectations was: .....</b>	1.5	11	100.0	5	45.5	6	54.5	–	–	–	–	–	–
<b>4. The opportunity for questions and discussion was: .....</b>	1.5	11	100.0	6	54.5	5	45.5	–	–	–	–	–	–
<b>5. The quality of the written material provided was: .....</b>	3.8	5	100.0	–	–	2	40.0	–	–	–	–	3	60.0%
<b>6. The applicability of the information presented to my practice was: .....</b>	1.8	11	100.0	4	36.4	5	45.5	2	18.2	–	–	–	–
<b>7. The overall rating of this special course was: .....</b>	1.5	11	100.0	5	45.5	6	54.5	–	–	–	–	–	–

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Overall Meeting Evaluation - Participant Comments**

**Base=51 Overall Meeting Evaluation Respondents**

**Q.13 Did you perceive any commercial bias during this program? If yes, please explain.  
(51 Respondents)**

	(# of responses)
<b>YES</b>	(7)
No explanation given	(4)
Bias toward interbody arthroplasty	(1)
Disc replacement-heavy commercial bias	(1)
In general: in past years the meeting has emphasized invasive procedures and aggressive management, which is what the instrument companies encourage	(1)
<b>NO</b>	(44)
Everyone made disclosures	(1)
Perhaps over-representation of one company	(1)
Bias is more related to certain companies with dominance in the field-equipment and consultants	(1)
<b>NO ANSWER</b>	(0)

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Overall Meeting Evaluation - Participant Comments**

**Base=51 Overall Meeting Evaluation Respondents**

**Q.17 What suggestions do you have for improving this meeting?  
(20 Respondents answered)**

(# of responses)

Meeting organization and schedule (total mentions):

(20)

Provide handouts: abstracts/written material with slide information/  
improve syllabus (more illustrations)/offer material on PDA or PalmPilot  
Expense mentions (fee/hotel)/eliminate extra fees for special courses  
Offer classes during afternoons/I want to get more CME credits

(8)

(4)

(2)

(single mentions:)

Warm location ensures better turnout  
Have posters instead of oral presentations  
Schedule the NP/PA symposium earlier in conference to allow time for networking  
Eliminate concurrent scheduling  
Start later in morning  
Hold reception on second night

Content/topics (total mentions):

(13)

Liked format and content of this meeting: controversies

(2)

(single mentions:)

More on pain  
More studies/stats  
More on root block  
More on spinal cord stimulation  
Do not present any paper or poster with the word "novel" in it  
Discuss NSAID controversy  
More variety (business, economics)  
More nerve topics  
Charite artificial disc was overemphasized-not widely applicable  
Suggest course on statistical or methodological presentation  
- more emphasis on accurate statistics-use of confidence intervals  
Talks were of no value-no content



**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Overall Meeting Evaluation - Participant Comments**

**Base=51 Overall Meeting Evaluation Respondents**

**Q.18 What suggestions do you have for improving the Exhibit Hall?  
(5 Respondents answered)**

(# of responses)  
(3)

Make it livelier-use more video and CD/more hands-on

(single mentions:)

Fine as it is

Broadcast the lectures in the exhibit hall

More surgeons involved

More time to talk to poster authors

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Overall Meeting Evaluation - Participant Comments**

**Base=51 Overall Meeting Evaluation Respondents**

**Q.19 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(14 Respondents answered)**

(# of responses)

More studies and statistics/course on statistics/methodology/ stats on procedures/outcomes	(3)
Complications	(2)
Point-counterpoint format/controversies	(2)
Spinal tumors	(2)

(single mentions:)

Excellent as it is  
All the teaching was in Special courses-they should be the plenary sessions  
Arachnoiditis  
Medical malpractice issues  
More diversity in topics (too much artificial disc this meeting)  
More discussion of cost analysis  
More dynamic image guidance  
Odontoidectomy  
Pain  
Patient selection for disc arthroplasty  
Root block  
Sacroilitis  
SCI  
Spinal cord stimulation  
TOS

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
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Overall Meeting Evaluation - Participant Comments**

**Base=51 Overall Meeting Evaluation Respondents**

**Q.20 Is there a city or location where you would like to see the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves host a future Annual Meeting?  
(12 Respondents answered)**

	(# of responses)
Arizona: Phoenix/same resort/Tucson	(8)
Southern California: San Diego/San Francisco	(7)
Pacific Northwest: Seattle/Portland/Vancouver	(6)
Florida: Key West/Miami/Orlando/Ft. Lauderdale	(5)
Hawaii	(3)
South Carolina	(3)
Las Vegas	(2)
New York	(2)

(single mentions:)

Anchorage  
Boston  
Cancun  
Montreal  
Nashville  
New Orleans  
San Antonio  
Washington, DC  
Ski resort  
Someplace with more cultural events, evening opportunities

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Course Evaluations - Participant Comments**

**Special Course I: Modern Management of Spinal Neoplasia  
Base=13 Course Evaluation Respondents**

**Q.8 What did you learn in this special course that you will apply to your practice?  
(3 Respondents answered)**

(# of responses)

(single mentions:)

- Consider non-surgical modalities
- Increase use of IMRT
- Reducing complications
- Proper patient evaluation
- Protocol for management of intramedullary cord tumors
- William C. Welch, MD, gave excellent lecture

**Q.9 Overall, how could this special course be improved (i.e., topics covered, speakers, audio/visual)?  
(3 Respondents answered)**

(# of responses)

(single mentions:)

- More focused topics
- It was up to date and comprehensive as is
- Provide handouts/written material

**American Association of Neurological Surgeons  
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Special Course Evaluations - Participant Comments**

**Special Course I: Modern Management of Spinal Neoplasia  
Base=13 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(13 Respondents)**

**YES**  
**NO**  
**NO ANSWER**

(# of responses)  
(0)  
(10)  
(3)

There were no comments or explanations.

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**  
**(2 Respondents answered)**

(single mentions:)

Basic research  
Non-surgical modalities  
Radiation: current methodology and outcomes

(# of responses)

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Course Evaluations - Participant Comments**

**Special Course II: Arthroplasty: Techniques and Indications for the Cervical and Lumbar Spine  
Base=19 Course Evaluation Respondents**

**Q.8 What did you learn in this special course that you will apply to your practice?  
(8 Respondents answered)**

	(# of responses)
Improved patient selection/patient selection is primary	(4)
Good update/good review	(3)
Potential complications/extrusion of artificial disc in lumbar area is a major problem	(3)
Will continue to watch the development of artificial disc placement/wait and see	(2)
Cervical disc placement for multilevel disease is a good idea	(1)
Indications for disc replacement	(1)
Will continue ALIF-no point in learning lumbar TDR	(1)
Will take the DuPuy course	(1)

**Q.9 Overall, how could this special course be improved (i.e., topics covered, speakers, audio/visual)?  
(4 Respondents answered)**

	(# of responses)
Good as it is/good content/leading edge technology	(2)
Provide handout/written material	(2)
Applicability to practice remains to be seen	(1)

**American Association of Neurological Surgeons  
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Special Course Evaluations - Participant Comments**

**Special Course II: Arthroplasty: Techniques and Indications for the Cervical and Lumbar Spine  
Base=19 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.  
(19 Respondents)**

	(# of responses)
<b>YES</b>	(3)
Extremely biased toward individual implants	(1)
Some speakers were heavily involved with specific products, but it was good to hear from them - they also presented information about other products	(1)
Reginald J. Davis, MD, for Dynasys	(1)
<b>NO</b>	(10)
<b>NO ANSWER</b>	(6)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**

(There were no responses.)

**American Association of Neurological Surgeons  
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Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Course Evaluations - Participant Comments**

**Special Course III: Analysis of Lumbar Fusion Guidelines and Application to Clinical Practice  
Base=21 Course Evaluation Respondents**

**Q.8 What did you learn in this special course that you will apply to your practice?  
(11 Respondents answered)**

	(# of responses)
Fusion decision/indications for fusion	(2)
Good review	(2)
Injections/indications for types of injections	(2)
Clearer idea of guidelines for surgical, nonsurgical treatment of CLBP and LBP	(1)
Guidelines for decompression vs fusion in stenosis	(1)
How to critically evaluate scientific articles	(1)
We still don't have clear indication for fusion in lumbar degenerative disease	(1)
Will change my approach to instrumented fusions significantly	(1)
Will change practice re spondylolisthesis	(1)

**Q.9 Overall, how could this special course be improved (i.e., topics covered, speakers, audio/visual)?  
(8 Respondents answered)**

	(# of responses)
Provide handouts/written material (include slides)	(5)
Excellent as it is	(3)



**American Association of Neurological Surgeons  
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Special Course Evaluations - Participant Comments**

**Special Course III: Analysis of Lumbar Fusion Guidelines and Application to Clinical Practice  
Base=21 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(21 Respondents)**

	(# of responses)
<b>YES</b>	(0)
<b>NO</b>	(13)
<b>NO ANSWER</b>	(8)

There were no comments or explanations.

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**  
**(2 Respondents answered)**

	(# of responses)
Comparison of various instrumentation systems	(1)
Review of results of interbody fusion for discogenic pain	(1)

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Scientific Session Evaluations - Participant Comments**

**Scientific Session I: Care of the Athlete: Professional and Non-Professional Weekend Warrior  
Base=85 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(37 Respondents answered)**

	(# of responses)
Guidelines for return to play decisions	(12)
Guidelines for rehab/core strengths programs/specifics on physical therapy	(11)
Expected results in athlete/low incidence of return to play/rate of recurrent injury	(4)
Treatment of sports injuries	(4)
Concussion data/clear information on concussion/duration	(3)
Guidance for management of concussed patients/ treat cases individually, do not rely on grading systems	(3)
Impact testing/should be more widely used with high school athletes	(3)
Not applicable/don't treat	(3)
Proper care of cervical neuropraxia	(3)
Excellent session/informative	(2)
Michael W. Collins' presentation excellent	(2)
There is little evidence based data/no certainties	(2)

(single mentions:)

Rehab principles are also applicable to nonathlete patients  
Robert Watkins, MD, gave excellent presentation  
Role of trunk stabilization for athletes  
Use of SPECT scan  
Will help discuss treatment options with patients  
Will not change my practice: will take conservative approach with young patients  
Will pass information along to school physicians

**American Association of Neurological Surgeons**  
**AANS/CNS Section on Disorders of the Spine and Peripheral Nerves**  
**Annual Meeting**  
**March 9-12, 2005 - Phoenix, Arizona**  
**Scientific Session Evaluations - Participant Comments**

**Scientific Session I: Care of the Athlete: Professional and Non-Professional Weekend Warrior**  
**Base=85 Course Evaluation Respondents**

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?**  
**(24 Respondents answered)**

	(# of responses)
Excellent session as it is	(6)
Provide handouts/written materials	(5)
More on weekend warrior-more applicable to most practices	(3)
Provide more supporting data/higher level of research and literature citations/	
Henry Feuer, MD, should share more data	(3)
More case reviews/more detailed case reviews	(2)
Provide guidelines re use of therapists/guidelines for protocol and obtaining instruments	(2)
(single mentions:)	
Discuss negative outcomes	
Improve the audio	
Michael W. Collins was excellent	
More on followup-following patients' progress	
Need discussion time following talks	
Provide details of core stabilization	

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(85 Respondents)**

	(# of responses)
<b>YES</b>	(1)
Impact software re cerebral concussion	(1)
<b>NO</b>	(61)
<b>NO ANSWER</b>	(23)

**American Association of Neurological Surgeons  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session I: Care of the Athlete: Professional and Non-Professional Weekend Warrior  
Base=85 Course Evaluation Respondents**

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(8 Respondents answered)**

(# of responses)

(single mentions:)

- Bone fusion extenders
- Ideas for investigative studies/research ideas
- Learning from anecdotal information
- Michael W. Collins was excellent
- More evidence based medicine
- Neurophysiology or FES
- Review the pros and cons of epidural blocker
- Robert Watkins, MD, was excellent
- Surgery at craniocervical junction
- Trunk stabilization

**American Association of Neurological Surgeons  
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Annual Meeting  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session II: The Future of Spinal Surgery  
Base=84 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(23 Respondents answered)**

	(# of responses)
Image guided techniques/MIS is related to one's skill with intraoperative imaging	
I will increase use of image guided techniques	(6)
Indications, contraindications for MIS/strengths and weaknesses/risks and benefits	(6)
Keep an open mind/be aware of new technologies, options/ consider possible use in future	(4)
Reviewed available options for MIS	(3)
Use of biologics/bone biology/results of fusion depend on proper recipe	(3)
Not applicable/don't do MIS	(2)
Patient selection	(2)
Ease of performing	(1)
Rapidity of recovery	(1)

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?  
(9 Respondents answered)**

	(# of responses)
Excellent/no improvement needed	(2)
More advanced level/more specifics	(2)
Provide handouts/written material	(2)
Debate format	(1)
Opportunity to discuss cases after the talks	(1)
Session was good, but this requires labs or workshops to learn	(1)

**American Association of Neurological Surgeons  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session II: The Future of Spinal Surgery  
Base=84 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.  
(84 Respondents)**

	(# of responses)
<b>YES</b>	(1)
Kevin T. Foley, MD - some of his slides had Medtronic's logo on them	(1)
<b>NO</b>	(48)
<b>NO ANSWER</b>	(35)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(3 Respondents answered)**

	(# of responses)
(single mentions:)	
Give updates on this course	
More on motion preservation	
Present long term outcome results	

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Scientific Session Evaluations - Participant Comments**

**Scientific Session III: Deformity  
Base=81 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(26 Respondents answered)**

	(# of responses)
How to evaluate spinal balance/global assessment important/ sagittal plane balance/how to assess patient	(6)
How many levels of fusion to incorporate	(4)
Basic principles of deformity surgery	(3)
Not applicable/do not do	(3)
Restraint/conservative treatment	(3)
Difficulty of correction/new skills required	(2)
Edward C. Benzel, MD, gave good talk	(2)
Excellent session/best session	(2)
Importance of pre-operative planning	(2)
Osteotomy	(2)
When and how to correct sagittal balance	(2)
Charles Kuntz, MD, gave excellent talk	(1)
Current thinking in management of spinal deformity	(1)
Differentiating deformities and their treatments	(1)
Use of expensive instrumentation vs standard decompression	(1)

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?  
(12 Respondents answered)**

	(# of responses)
More case presentations	(3)
Provide handouts/written material (include slides)	(3)
Excellent session/excellent format	(2)
Discuss when to refer	(1)
Disappointed (unspecific)	(1)
Focus on lumbar scoliosis (more common), omit whole spine reconstruction	(1)
More video of how to do it	(1)
Offer hands-on course	(1)

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
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March 9-12, 2005 - Phoenix, Arizona  
Scientific Session Evaluations - Participant Comments**

**Scientific Session III: Deformity  
Base=81 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(81 Respondents)**

	(# of responses)
<b>YES</b>	(0)
<b>NO</b>	(49)
<b>NO ANSWER</b>	(32)

There were no comments or explanations.

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**  
**(7 Respondents answered)**

	(# of responses)
--	------------------

(single mentions:)

- Audience discussion of complex cases
- Avoidance, management of complications in spinal surgery
- Edward C. Benzel, MD, should speak on restraint/I highly value his opinions
- Correction of spondylolisthesis
- Data on artificial disc
- Discuss vertebroplasty, kyphoplasty and other techniques for pain management
- More on facet screws, C1-2 screws
- One plenary session to cover peripheral nerve injury, nerve tumors, entrapment neuropathy



**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Symposium Evaluations - Participant Comments**

**Biology of Bone Fusion - A Special Symposium for Nurses, Nurse Practitioners and Physician Assistants  
Base=11 Course Evaluation Respondents**

**Q.7 What did you learn in this symposium that you will apply to your practice?  
(8 Respondents answered)**

	(# of responses)
All topics applicable to practice	(3)
Risks, benefits of grafts and enhancements	(3)
When to use braces, collars/indications for bracing, collars	(3)
Choosing options for allograft, autograft, enhancements	(2)
Different collars and braces available	(1)

**Q.8 Overall, how could this symposium be improved (i.e., topics covered, speakers, audio/visual)?  
(4 Respondents answered)**

	(# of responses)
Very well done as is/excellent speakers/informative	(3)
Direct symposium more toward nursing role	(1)

**American Association of Neurological Surgeons  
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Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Symposium Evaluations - Participant Comments**

**Biology of Bone Fusion - A Special Symposium for Nurses, Nurse Practitioners and Physician Assistants  
Base=11 Course Evaluation Respondents**

**Q.9 Did you perceive any type of commercial bias during this program? Please explain.  
(11 Respondents)**

**YES  
NO  
NO ANSWER**

(# of responses)  
(0)  
(9)  
(2)

There were no comments or explanations.

**Q.10 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(3 Respondents answered)**

(single mentions:)

C1-2 instability  
Surgical options for deformities: laminectomies, microdiscectomy, minimally invasive  
Scoliosis assessment  
Spinal tumors  
Surgical procedures for scoliosis

(# of responses)

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Course Evaluations - Participant Comments**

**Special Course IV: ABCs of Peripheral Nerve Surgery  
Base=21 Course Evaluation Respondents**

**Q.8 What did you learn in this special course that you will apply to your practice?  
(7 Respondents answered)**

	(# of responses)
All applicable/very valuable course	(3)
Good general review	(2)
Board preparation	(1)
Entrapment neuropathies	(1)
Informative about trauma	(1)

**Q.9 Overall, how could this special course be improved (i.e., topics covered, speakers, audio/visual)?  
(8 Respondents answered)**

	(# of responses)
Provide handouts/written material	(2)
Put more focus on board review (written and oral)	(2)
Very well done as is	(2)
Address RSD/CRPS/SMP	(1)
More discussion on interpreting imaging studies	(1)
More re surgical procedure for frequently seen cases	(1)

**American Association of Neurological Surgeons  
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Special Course Evaluations - Participant Comments**

**Special Course IV: ABCs of Peripheral Nerve Surgery  
Base=21 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(21 Respondents)**

**YES**  
**NO**  
**NO ANSWER**

(# of responses)  
(0)  
(15)  
(6)

There were no comments or explanations.

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**  
**(7 Respondents answered)**

(# of responses)

(single mentions:)

- Address RSD/CRPS/SMP
- Board review
- Discuss controversies
- Discuss nonsurgical treatment modalities
- Have update of this course
- More case presentations, with discussion
- More on diagnosis
- More on surgical approach for nerve surgery
- Pediatric plexus/birth injury
- Spinal cord stimulation and Intrathecal pump for failed back

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
David Cahill Memorial Controversies Session Evaluations - Participant Comments**

**David Cahill Memorial Controversies Session  
Base=61 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(17 respondents)**

(# of responses)

There are many options/no one answer for all patients/clear points made for each technique/consider each case individually/pros and cons of each technique, without bias	(7)
Better informed on treatment decisions re spondylolisthesis/reduction	(3)
Informative re cervical artificial disc/fusion vs. disc/long term problems with disc	(3)
Applicable to practice	(3)

(single mentions:)

Better able to discuss with patients  
Current experience in management of degenerative and traumatic spinal conditions  
Excellent discussion of PLIF vs PLF  
Fusion vs correction of deformity in lumbar spondylolisthesis: fusion gives best surgical results, correction is more controversial  
Lively and spirited debate-favorite meeting  
Stephen L. Ondra, MD, and Robert F. Heary, MD, are experts I would go to if I had a problem  
Volker K. H. Sonntag, MD, gave excellent talk

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
David Cahill Memorial Controversies Session Evaluations - Participant Comments**

**David Cahill Memorial Controversies Session  
Base=61 Course Evaluation Respondents**

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?  
(11 Respondents answered)**

	(# of responses)
Terrific session/do not change this/do more topics in this format	(5)
Need question and answer time/opportunity for audience interaction	(4)
Daniel K. Resnick, MD, speaks too rapidly	(1)
Laminoplasty section was one lecture, not a debate	(1)
Slides were hard to read (esp. Rick C. Sasso, MD)	(1)

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.  
(61 Respondents)**

	(# of responses)
<b>YES</b>	(1)
(There was no comment or explanation.)	
<b>NO</b>	(38)
<b>NO ANSWER</b>	(22)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(6 Respondents answered)**

	(# of responses)
Program committee did an excellent job/enjoyed location and venue also	(2)

(single mentions:)

- Discography: efficacious or useless?
- LBP options (debate format)
- Piri. syndrome
- Spinal mets of column (debate format)
- Surgical vs nonsurgical treatment; fusion vs. arthroplasty
- Techniques for reduction of high grade spondylolisthesis
- Thoracic disc herniation (debate format)
- Treatment of symptomatic degenerative disc disease in lumbar region

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Scientific Session Evaluations - Participant Comments**

**Scientific Session IV: Syringomyelia  
Base=52 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(18 Respondents answered)**

	(# of responses)
Options for treatment/management guidelines	(7)
Ulrich Batzdorf, MD, was awesome/exceptionally good/ this is the best presentation on this subject	(6)
Shunting indications/shunting vs resection	(3)
Better diagnosis/diagnosis with imaging/better workup	(2)
Excellent review of pathogenesis and treatment	(2)
Residual central canal/occult/patients without symptoms/ incidental persistent central spinal canal	(2)

(single mentions:)

Better able to discuss options with patients  
Commonly seen problem  
Complications  
History of neurosurgery  
Not applicable to my practice  
Syrinx without A-C malformation

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?  
(4 Respondents answered)**

	(# of responses)
(single mentions:)	
Excellent presentation-no improvement	
Adult manifestations of Chiari	
Include additional speakers, different points of view	
More systematic presentation, rather than case by case format	

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session IV: Syringomyelia  
Base=52 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.  
(52 Respondents)**

**YES  
NO  
NO ANSWER**

(# of responses)  
(0)  
(33)  
(19)

There were no comments or explanations.

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(2 Respondents answered)**

(single mentions:)

Epiduroscopy, -ography  
Iso-C application vs. stereotaxy  
Spinal cord injury treatment-pros and cons format  
Spinal arthroscopy-current indications

(# of responses)



**American Association of Neurological Surgeons  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session V: Cervical Spondylosis  
Base=43 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?  
(9 Respondents answered)**

Informative re posterior approach/indications for posterior vs. anterior

(# of responses)  
(4)

(single mentions:)

Alternatives to surgical treatment  
Application of posterior fusion to laminectomy in patients  
who are not elderly and have a rigid cervical spine  
Cervical myelopathy  
Current management cervical spondylosis  
I might get some different instruments  
Minimally invasive surgery has great promise  
Nothing new  
Will be more likely to use post. lami with post. fixation  
for multi level spondylic myelopathy

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?  
(3 Respondents answered)**

(# of responses)

(single mentions:)

Anthony K. Frempong-Boadu, MD, is poor speaker  
Provide handouts/written material (include slides)  
Show video of procedures  
Slides presented too quickly

**American Association of Neurological Surgeons  
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Scientific Session Evaluations - Participant Comments**

**Scientific Session V: Cervical Spondylosis  
Base=43 Course Evaluation Respondents**

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.  
(43 Respondents)**

	(# of responses)
<b>YES</b>	(1)
(There was no comment or explanation.)	(1)
<b>NO</b>	(22)
<b>NO ANSWER</b>	(20)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?  
(1 Respondent answered)**

	(# of responses)
Speaker suggestions:	(1)
Crockard/Menezes: transoral considerations	
Epstein/McCormick/Brotchi: cord tumors	
Rock/Gersten/Adler: radiosurgery of spine	
Outcomes/indications for injections, blocks, spinal cord stim., pumps	(1)

**American Association of Neurological Surgeons**  
**AANS/CNS Section on Disorders of the Spine and Peripheral Nerves**  
**Annual Meeting**  
**March 9-12, 2005 - Phoenix, Arizona**  
**Scientific Session Evaluations - Participant Comments**

**Scientific Session VI: Contemporary Issues in Spinal Cord Injury**  
**Base=36 Course Evaluation Respondents**

**Q.8 What did you learn in this general session that you will apply to your practice?**  
**(9 Respondents answered)**

	(# of responses)
Excellent presentations/exciting/fascinating/best session	(4)
Experimental for now/time will tell	(2)
James D. Guest, MD, - lecture excellent/incredibly knowledgeable	(2)
Current treatment of spinal cord injuries/stats on spinal cord injury	(2)
Little applicable	(1)
PEG/OFS are fascinating	(1)
Scott A. Shapiro, MD, gave clear presentation, work shows clinical promise	(1)

**Q.9 Overall, how could this general session be improved (i.e., topics covered, speakers, audio/visual)?**  
**(1 Respondent answered)**

	(# of responses)
Scheduling: please end seminars in time to check out of hotel	(1)

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
**(36 Respondents)**

	(# of responses)
<b>YES</b>	(1)
(There was no comment or explanation.)	(1)
<b>NO</b>	(14)
<b>NO ANSWER</b>	(21)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**  
**(1 Respondent answered)**

	(# of responses)
Functional rehab for SCI	(1)

**American Association of Neurological Surgeons  
AANS/CNS Section on Disorders of the Spine and Peripheral Nerves  
Annual Meeting  
March 9-12, 2005 - Phoenix, Arizona  
Special Course Evaluations - Participant Comments**

**Special Course V: An Introduction to Bone Biology and Fusion Augmentation  
Base=12 Course Evaluation Respondents**

**Q.8 What did you learn in this special course that you will apply to your practice?**  
(1 Respondent answered)

Basic concepts of body fusion

(# of responses)  
(1)

**Q.9 Overall, how could this special course be improved (i.e., topics covered, speakers, audio/visual)?**  
(1 Respondent answered)

Should be a general session course, without an extra fee

(# of responses)  
(1)

**Q.10 Did you perceive any type of commercial bias during this program? Please explain.**  
(12 Respondents)

**YES**

(0)

**NO**

(7)

**NO ANSWER**

(5)

There were no comments or explanations.

(1)

**Q.11 What other topics and/or speakers would you like to see presented at future Annual Meetings?**

(There were no comments.)

## HISTORICAL SECTION MEMBERSHIP REPORT

	<b>As of March 25, 2005</b>	<b><u>2004</u></b>	<b><u>2003</u></b>	<b><u>2002</u></b>	<b><u>2001</u></b>	<b><u>2000</u></b>	<b><u>1999</u></b>	<b><u>1998</u></b>	<b><u>1997</u></b>	<b><u>1996</u></b>	<b><u>1995</u></b>	<b><u>1994</u></b>
Cerebrovascular	<b>556</b>	568	574	545	560	628	588	454	430	370	291	268
History	<b>95</b>	92	91	87	87	108	99	61	64	66	65	64
Pediatric	<b>312</b>	316	318	298	298	336	336	258	255	225	215	215
Pain	<b>222</b>	228	230	248	248	391	391	304	302	304	289	288
Spine	<b>1387</b>	1366	1134	1428	1428	1547	1460	1071	1042	963	793	794
Trauma	<b>1123</b>	1147	1160	1198	1198	1385	1368	931	932	953	931	889
Tumor	<b>1707</b>	1792	1799	709	709	887	828	599	610	630	629	628
Stereotactic	<b>478</b>	331	329	N/A	N/A	290	290	207	207	N/A	N/A	N/A

\* Please note: Prior to 2001, counts may have been the total of active and resigned/deceased members combined. Current totals reflect ONLY Active members.

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

### **Annual Dues Billing:**

Projected First Dues Billing Date - December 15

Statements sent thereafter on the 15th of each month

#### **DELINQUENT DUES:**

Executive Committee is notified of members who have not paid dues for 2 years. With their approval, membership will be terminated if all dues are not received by April 1 of the current year. A letter is sent explaining that if they pay their dues within one year they will be reinstated. If payment is not received in that year's time, they will need to re-apply for Section Membership.

### **Application Approval:**

Applications are mailed directly to AANS headquarters. Applications are checked for eligibility requirements and approved by AANS Member Services Administrator then processed as members if they meet the requirements. If requirements are not met, a letter is sent to explain reason they can not become a member at this time.

Approved applications are processed on the database within one week of receipt.

New member letters and certificates are mailed within one week of approval.

### **Recruitment:**

Membership recruitment campaigns may be conducted when budgeted or on approval of Section leadership.

Member Services will process data, print and stuff mailing.

### **Meeting Registration Processing:**

Database set-up - Meeting information and registration categories are set-up on database for processing of registrations and confirmation letters

Registrations entry - Registrations are entered and payments processed within 1week of receipt.

Confirmations are sent via e-mail, first-class or fax the day registration has been entered.

Registrations materials - Registrations packets are prepared to include badge and tickets for meeting.

On-site - Attend and manage all functions of registration at registration area. Entry of on-site registrations and payments

### **Database Maintenance/Address Changes:**

Database is updated on an on-going basis for resignations, voiding of invoices, billing of new members, address changes

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

cont'd

### **Letterhead Production:**

New letterhead is developed/updated and printed after conclusion of Annual Spine Section Mtg. The Chairman and/or Secretary corresponds as to what updates are needed. A supply of updated letterhead is then mailed to the Executive Committee, quantity determined by the Secretary and/or Treasurer of Section.

### **Prepare Semi-Annual Membership Reports:**

Approx. 4 weeks prior to the AANS and CNS meetings, membership reports are mailed to the Executive Committee. Reports include:

- Section Membership report - Report breaks out membership counts by membership category
- Current Section letterhead
- Current membership roster
- Annual Meeting registration report
- Outstanding dues report

## SP Section Membership Report

SP Member Type		Count
<b>Current Members</b>		
SP01S	Spine Section Active Member	1,029
SP15D	Spine Section Associate Member	5
SP25S	Spine Section Senior Member	189
SP40S	Spine Section International Member	53
SP45D	Spine Section Honorary Member	1
SP60D	Spine Section Adjunct Member	21
SP60P	Spine Section Pending Adjunct Member	3
SP65R	Spine Section Resident Member	86
		<b>1,387</b>
<b>Resigned, Deceased, or Suspended Members - 2005</b>		
SP96S	Spine Section Suspended Member	1
SP97S	Spine Section Resigned Member	7
SP98S	Spine Section Deceased Member	1
		<b>9</b>



## Outstanding Section Dues

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
<b>Section: Spine Section</b>								
146772	Jafri Malin Abdullah II MD Ph	B40S	CN05S					
				5-000112469	SP041220DU01	50.00	0.00	50.00
59709	Moustapha Abou-Samra MD	B01S	CN01S					
				5-000063711	SP031208DU01	50.00	0.00	50.00
22475	Alberto Abreu-Rivera MD	A35S						
				5-000063366	SP031208DU01	50.00	0.00	50.00
				5-000111720	SP041220DU01	50.00	0.00	50.00
121910	Bret B. Abshire MD	A01S						
				5-000111744	SP041220DU01	50.00	0.00	50.00
108285	Alfredo V. Abundo Jr. MD	X99S						
				5-000112641	SP041220DU01	50.00	0.00	50.00
19179	Pablo J. Acebal MD	B01S	CN01S					
				5-000111870	SP041220DU01	50.00	0.00	50.00
90471	John C. Amann MD	B01S	CN01S					
				5-000112118	SP041220DU01	50.00	0.00	50.00
90632	James S. Anderson MD	B01S	CN01S					
				5-000112149	SP041220DU01	50.00	0.00	50.00
90060	Russell J. Andrews MD	B01S	CN01S					
				5-000063731	SP031208DU01	50.00	0.00	50.00
				5-000112058	SP041220DU01	50.00	0.00	50.00
120391	Koang Hum Bak MD	A40S						
				5-000111729	SP041220DU01	50.00	0.00	50.00
91071	Nicholas M. Barbaro MD	B01S	CN01S					
				5-000112201	SP041220DU01	50.00	0.00	50.00
95120	Francisco J. Battle MD	X99S						
				5-000064297	SP031208DU01	50.00	0.00	50.00
				5-000112636	SP041220DU01	50.00	0.00	50.00
1016	Brien G. Benoit MD	C99S	CN01S					
				5-000112595	SP041220DU01	50.00	0.00	50.00
60028	Aldo F. Berti MD FACS	A01S						
				5-000111595	SP041220DU01	50.00	0.00	50.00
104371	William B. Betts MD	A01S						

## Outstanding Section Dues

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Member ID	Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
				5-000111662	SP041220DU01	50.00	0.00	50.00
144944	Maxwell Boakye MD	B60S	CN65T					
				5-000112519	SP041220DU01	50.00	0.00	50.00
90072	Robert S. Bray Jr. MD	B01S	CN01S					
				5-000112061	SP041220DU01	50.00	0.00	50.00
50056	James L. Budny MD FACS	B01S	CN01S					
				5-000111905	SP041220DU01	50.00	0.00	50.00
50611	Kim J. Burchiel MD FACS	B01S	CN01S					
				5-000111941	SP041220DU01	50.00	0.00	50.00
140	Stephen K. Cagle MD	B01S	CN01S					
				5-000063418	SP031208DU01	50.00	0.00	50.00
				5-000111763	SP041220DU01	50.00	0.00	50.00
1958	Travis H. Calvin MD	B01S	CN25S					
				5-000111781	SP041220DU01	50.00	0.00	50.00
98017	W. Bruce Cherny MD	B01S	CN01S					
				5-000112242	SP041220DU01	50.00	0.00	50.00
415100	Bo-Young Cho	X99D						
				5-000112631	SP041220DU01	50.00	0.00	50.00
105968	Tanvir F. Choudhri MD	A60S						
				5-000111737	SP041220DU01	50.00	0.00	50.00
123381	Gordon K-T Chu MD MSc	C99S	CN65T					
				5-000112612	SP041220DU01	50.00	0.00	50.00
111962	Richard V. Chua MD	B01S	CN97S					
				5-000112356	SP041220DU01	50.00	0.00	50.00
60059	Young Chung MD	B01S	CN01S					
				5-000112042	SP041220DU01	50.00	0.00	50.00
96164	Geoffrey P. Cole MD	B01S	CN01S					
				5-000112234	SP041220DU01	50.00	0.00	50.00
90653	Otis D. Curling MD MBA	A35S						
				5-000111722	SP041220DU01	50.00	0.00	50.00
90092	George R. Cybulski MD FAC	B01S	CN01S					
				5-000112067	SP041220DU01	50.00	0.00	50.00

## Outstanding Section Dues

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
51177	William N. Dawson MD	B01S	CN01S					
				5-000111956	SP041220DU01	50.00	0.00	50.00
57182	Arthur L. Day MD FACS	B01S	CN01S					
				5-000111998	SP041220DU01	50.00	0.00	50.00
23317	Don Robert De Feo MD FAC	S01S	CN01S					
				5-000063549	SP031208DU01	50.00	0.00	50.00
				5-000112652	SP041220DU01	50.00	0.00	50.00
90728	Alain C. J. De Lotbiniere MD F	B01S	CN01S					
				5-000112163	SP041220DU01	50.00	0.00	50.00
3202	David F. Dean MD	B01S	CN97S					
				5-000111786	SP041220DU01	50.00	0.00	50.00
16617	Stephen O. Dell MD	B01S	CN01S					
				5-000111853	SP041220DU01	50.00	0.00	50.00
19129	Darryl J. Di Risio MD	B01S	CN01S					
				5-000111861	SP041220DU01	50.00	0.00	50.00
24042	James D. Dillon MD	B01S	CN01S					
				5-000063558	SP031208DU01	50.00	0.00	50.00
				5-000111891	SP041220DU01	50.00	0.00	50.00
56648	Aiden J. Doyle MD	B25S	CN01S					
				5-000064087	SP031208DU01	50.00	0.00	50.00
				5-000112439	SP041220DU01	50.00	0.00	50.00
120644	Neil Duggal MD	X99S						
				5-000112639	SP041220DU01	50.00	0.00	50.00
3624	Fredric L. Edelman MD	B25S	CN01S					
				5-000112410	SP041220DU01	50.00	0.00	50.00
105038	Mohamed Nagy El Wany MD	C99S	CN05S					
				5-000112609	SP041220DU01	50.00	0.00	50.00
90837	Richard G. Ellenbogen MD FA	B01S	CN01S					
				5-000112181	SP041220DU01	50.00	0.00	50.00
50619	Mahwood Fazl MD	C99S	CN01S					
				5-000112602	SP041220DU01	50.00	0.00	50.00
90934	Aaron G. Filler MD PhD	B01S	CN01S					
				5-000112195	SP041220DU01	50.00	0.00	50.00

## Outstanding Section Dues

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
10216	S. Sam Finn MD	B01S	CN97S					
				5-000111820	SP041220DU01	50.00	0.00	50.00
19199	Paul C. Francel MD PhD	A01S						
				5-000111590	SP041220DU01	50.00	0.00	50.00
90575	Marvin E. Friedlander MD FA	B01S	CN01S					
				5-000112138	SP041220DU01	50.00	0.00	50.00
126667	Ching F. Fung MD	C99S	CN05S					
				5-000064280	SP031208DU01	50.00	0.00	50.00
				5-000112613	SP041220DU01	50.00	0.00	50.00
90606	Daniel D. Galyon MD FACS	B01S	CN01S					
				5-000112143	SP041220DU01	50.00	0.00	50.00
51755	Wallace K. Garner MD	B35S	CN25S					
				5-000112453	SP041220DU01	50.00	0.00	50.00
4762	Stephen Z. Gervin MD	B01S	CN25S					
				5-000063450	SP031208DU01	50.00	0.00	50.00
				5-000111792	SP041220DU01	50.00	0.00	50.00
51839	Wilbur M. Giles MD	C99S	CN35S					
				5-000112565	SP041220DU01	50.00	0.00	50.00
122841	Gabriel A. Gonzales-Portillo M	A01S						
				5-000111692	SP041220DU01	50.00	0.00	50.00
95126	Paul A. Grabb MD	B01S	CN01S					
				5-000112221	SP041220DU01	50.00	0.00	50.00
403179	Mark N. Hadley MD FACS	B01S	CN01S					
				5-000112389	SP041220DU01	50.00	0.00	50.00
57588	Gale Hazen MD	B01S	CN01S					
				5-000112008	SP041220DU01	50.00	0.00	50.00
10007	Victor T. Ho MD	B01S	CN01S					
				5-000063474	SP031208DU01	50.00	0.00	50.00
				5-000111812	SP041220DU01	50.00	0.00	50.00
52464	James Robert Howe MD FAC	B01S	CN01S					
				5-000063636	SP031208DU01	50.00	0.00	50.00
52589	Abelardo D. Inoa MD	C99S	CN01S					
				5-000112567	SP041220DU01	50.00	0.00	50.00

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Member ID	Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
110462	Line Jacques MD	A01SC						
				5-000112646	SP041220DU01	50.00	0.00	50.00
1280	J. Patrick Johnson MD	B01S	CN01S					
				5-000111778	SP041220DU01	50.00	0.00	50.00
6833	Robert M. Johnson MD	B25S	CN01S					
				5-000112661	SP041220DU01	50.00	0.00	50.00
90768	Jose L. Joy MD PA	A01S						
				5-000111622	SP041220DU01	50.00	0.00	50.00
401601	Dimitrios Kafritsas	X99D						
				5-000112628	SP041220DU01	50.00	0.00	50.00
16566	Nicolas Kandalaft MD	A35S						
				5-000064311	SP031208DU01	50.00	0.00	50.00
				5-000111719	SP041220DU01	50.00	0.00	50.00
123359	George J. Kaptain MD	A01S						
				5-000064153	SP031208DU01	50.00	0.00	50.00
				5-000111697	SP041220DU01	50.00	0.00	50.00
103593	Dean G. Karahalios MD	A01S						
				5-000111660	SP041220DU01	50.00	0.00	50.00
417668	Se-Hoon Kim MD PhD	A40S						
				5-000112630	SP041220DU01	50.00	0.00	50.00
95123	Joseph T. King Jr. MD	B01S	CN01S					
				5-000112220	SP041220DU01	50.00	0.00	50.00
16630	Enrique Kleriga MD	B01SC	CN01S					
				5-000112647	SP041220DU01	50.00	0.00	50.00
58123	A. Bernhard Kliefoth III MD	B25S	CN01S					
				5-000112440	SP041220DU01	50.00	0.00	50.00
119015	Joseph L. Koen MD	A01S						
				5-000111743	SP041220DU01	50.00	0.00	50.00
101140	Tadashi Kojima MD	C99S	CN05S					
				5-000112606	SP041220DU01	50.00	0.00	50.00
124149	Nilesh N. Kotecha MD	C99S	CN01S					
				5-000064258	SP031208DU01	50.00	0.00	50.00
				5-000112592	SP041220DU01	50.00	0.00	50.00

## Outstanding Section Dues

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
7708	Vijay S. Kumar MD	B40S	CN01S					
				5-000112387	SP041220DU01	50.00	0.00	50.00
142863	Amado M. Layno Jr. MD	C99S	CN05S					
				5-000064284	SP031208DU01	50.00	0.00	50.00
				5-000112617	SP041220DU01	50.00	0.00	50.00
123039	Thomas T. Lee MD	A01S						
				5-000063352	SP031208DU01	50.00	0.00	50.00
				5-000111694	SP041220DU01	50.00	0.00	50.00
90635	Warren H. Leimbach II MD	B01S	CN01S					
				5-000112150	SP041220DU01	50.00	0.00	50.00
103563	Leon Levi MD	C99S	CN05S					
				5-000064276	SP031208DU01	50.00	0.00	50.00
				5-000112608	SP041220DU01	50.00	0.00	50.00
53157	Gary J. Lustgarten MD	C97S	CN01S					
				5-000112669	SP041220DU01	50.00	0.00	50.00
90341	Ignacio A. Magana MD	B01S	CN97S					
				5-000063773	SP031208DU01	50.00	0.00	50.00
				5-000112099	SP041220DU01	50.00	0.00	50.00
22855	Ghaus M. Malik MD	B01S	CN01S					
				5-000111880	SP041220DU01	50.00	0.00	50.00
91198	Jerry V. Marlin MD	B01S	CN01S					
				5-000112203	SP041220DU01	50.00	0.00	50.00
101376	Philip J. Marra MD	B01S	CN97S					
				5-000112282	SP041220DU01	50.00	0.00	50.00
105111	George J. Martin Jr. MD	A01S						
				5-000063330	SP031208DU01	50.00	0.00	50.00
				5-000111666	SP041220DU01	50.00	0.00	50.00
50087	Roberto Martinez-Gomez MD	C99S	CN05S					
				5-000112599	SP041220DU01	50.00	0.00	50.00
16583	Cavert Keith McCorkle MD	B01S	CN01S					
				5-000111848	SP041220DU01	50.00	0.00	50.00
112015	Mark R. McLaughlin MD	B01S	CN01S					
				5-000112358	SP041220DU01	50.00	0.00	50.00
9423	Thomas F. Mehalic MD	B35S	CN01S					

## Outstanding Section Dues

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
				5-000112663	SP041220DU01	50.00	0.00	50.00
98039	James W. Melisi MD FACS	B01S	CN01S					
				5-000063919	SP031208DU01	50.00	0.00	50.00
				5-000112245	SP041220DU01	50.00	0.00	50.00
9480	Robert C. Meredith MD FAC	B25S	CN25S					
				5-000112421	SP041220DU01	50.00	0.00	50.00
59642	Michael W. Meriwether MD	B01S	CN01S					
				5-000112036	SP041220DU01	50.00	0.00	50.00
53462	Jay D. Miller MD	A01S						
				5-000111593	SP041220DU01	50.00	0.00	50.00
152114	Kevin C. Morrill MD	B60S	CN01S					
				5-000112540	SP041220DU01	50.00	0.00	50.00
16585	John Innis Moseley MD	A01S						
				5-000063247	SP031208DU01	50.00	0.00	50.00
				5-000111582	SP041220DU01	50.00	0.00	50.00
58768	Paul B. Nelson MD	B01S	CN01S					
				5-000112016	SP041220DU01	50.00	0.00	50.00
152306	Jaime H. Nieto MD	C99S	CN01S					
				5-000112594	SP041220DU01	50.00	0.00	50.00
90514	Russ P. Nockels MD	B01S	CN01S					
				5-000112126	SP041220DU01	50.00	0.00	50.00
91088	Richard B. North MD	B01S	CN01S					
				5-000112202	SP041220DU01	50.00	0.00	50.00
53876	Theodore Obenchain MD	B35S	CN25S					
				5-000064103	SP031208DU01	50.00	0.00	50.00
				5-000112455	SP041220DU01	50.00	0.00	50.00
104	Julio A. Ordonez MD	A01S						
				5-000111559	SP041220DU01	50.00	0.00	50.00
95053	Richard K. Osenbach MD	B01S	CN01S					
				5-000112212	SP041220DU01	50.00	0.00	50.00
59279	A. E. Oygur MD	B01S	CN01S					
				5-000063698	SP031208DU01	50.00	0.00	50.00
17209	Nikolas Papadakis MD	X99M	CN05S					

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Member ID	Name	AANS Member Type	CNS Member Type					
				Inv #	Batch	Inv Amt	Amt Paid	Amt Due
				5-000064265	SP031208DU01	50.00	0.00	50.00
				5-000112597	SP041220DU01	50.00	0.00	50.00
90948	Laura S. Pare MD FRCS(C)	T01S	CN01S					
				5-000112667	SP041220DU01	50.00	0.00	50.00
102513	John B. Payne DO	A01S						
				5-000111652	SP041220DU01	50.00	0.00	50.00
10868	Stan Pelofsky MD	B01S	CN01S					
				5-000111822	SP041220DU01	50.00	0.00	50.00
107180	Chee Pin Chee MD	C99S	CN05S					
				5-000064278	SP031208DU01	50.00	0.00	50.00
				5-000112610	SP041220DU01	50.00	0.00	50.00
11031	Anselmo Pineda MD	B25S	CN25S					
				5-000112424	SP041220DU01	50.00	0.00	50.00
144818	Patrick R. Pritchard MD	B06S	CN01S					
				5-000112398	SP041220DU01	50.00	0.00	50.00
58776	David Buenor O. Puplampu M	T01S	CN01S					
				5-000112666	SP041220DU01	50.00	0.00	50.00
122246	Viswanathan Rajaraman MD	A01S						
				5-000063391	SP031208DU01	50.00	0.00	50.00
				5-000111691	SP041220DU01	50.00	0.00	50.00
56895	Richard A. Rak MD	B01S	CN97S					
				5-000111996	SP041220DU01	50.00	0.00	50.00
11502	Robert A. Ratcheson MD	B01S	CN01S					
				5-000111825	SP041220DU01	50.00	0.00	50.00
102935	Paul K. Ratzker MD	A01S						
				5-000111655	SP041220DU01	50.00	0.00	50.00
117630	Michael J. Rauzzino MD	A60S						
				5-000111740	SP041220DU01	50.00	0.00	50.00
106895	Glenn R. Rechline II MD FAC	A15D						
				5-000111707	SP041220DU01	50.00	0.00	50.00
90821	John D. Reeves MD	C99S	CN01S					
				5-000112586	SP041220DU01	50.00	0.00	50.00
101367	Robert L. Remondino MD	A01S						



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Member ID	Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
				5-000111649	SP041220DU01	50.00	0.00	50.00
23374	Arden F. Reynolds Jr. MD	B01S	CN01S					
				5-000111884	SP041220DU01	50.00	0.00	50.00
21022	Romualdas Sakalas MD	B35S	CN01S					
				5-000112451	SP041220DU01	50.00	0.00	50.00
161534	Ayman M. Salem MD	B60S	CN65T					
				5-000112544	SP041220DU01	50.00	0.00	50.00
407325	Dino Samartzis BS	C99S	CN20S					
				5-000112622	SP041220DU01	50.00	0.00	50.00
105140	Abhay Sanan MD	B01S	CN01S					
				5-000112339	SP041220DU01	50.00	0.00	50.00
12989	Theodore Sarafoglu MD	B25S	CN01S					
				5-000112432	SP041220DU01	50.00	0.00	50.00
98111	John Sarris MD	A01S						
				5-000111642	SP041220DU01	50.00	0.00	50.00
102991	Charles L. Schnee MD FACS	B01S	CN01S					
				5-000112311	SP041220DU01	50.00	0.00	50.00
102923	Michael Schneier MD	A01S						
				5-000111654	SP041220DU01	50.00	0.00	50.00
127	Glenn W. Schoenhals MD	A01S						
				5-000063226	SP031208DU01	50.00	0.00	50.00
				5-000111563	SP041220DU01	50.00	0.00	50.00
98086	James M. Schumacher MD	B01S	CN01S					
				5-000112250	SP041220DU01	50.00	0.00	50.00
136092	Pennie S. Seibert PhD	X99D						
				5-000064290	SP031208DU01	50.00	0.00	50.00
				5-000112644	SP041220DU01	50.00	0.00	50.00
91770	Itzhack Shacked MD	A40S						
				5-000111724	SP041220DU01	50.00	0.00	50.00
404825	Mohan Raj Sharma MD	B40S	CN65R					
				5-000064124	SP031208DU01	50.00	0.00	50.00
				5-000112472	SP041220DU01	50.00	0.00	50.00
50313	William D. Sherman MD	C99S	CN01S					

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Member ID	Member Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
				5-000112556	SP041220DU01	50.00	0.00	50.00
116169	William W. S. So MD	A01S						
				5-000111687	SP041220DU01	50.00	0.00	50.00
95003	Peter M. Sorini MD	B01S	CN01S					
				5-000112206	SP041220DU01	50.00	0.00	50.00
62455	Paul E. Spurgas MD	B01S	CN01S					
				5-000112049	SP041220DU01	50.00	0.00	50.00
95084	Noam Y. Stadlan MD	A01S						
				5-000111632	SP041220DU01	50.00	0.00	50.00
50318	Mark Stern MD	B01S	CN01S					
				5-000111935	SP041220DU01	50.00	0.00	50.00
101149	Charles B. Stillerman MD	B01S	CN01S					
				5-000112281	SP041220DU01	50.00	0.00	50.00
105213	MariaElaina Sumas MD	A60S						
				5-000063382	SP031208DU01	50.00	0.00	50.00
				5-000111736	SP041220DU01	50.00	0.00	50.00
102795	Mitchell L. Supler MD	B01S	CN01S					
				5-000112294	SP041220DU01	50.00	0.00	50.00
14514	Martin Swiecicki MD FACS	B25S	CN25S					
				5-000112436	SP041220DU01	50.00	0.00	50.00
161272	Leonello Tacconi MD FRCS	B40S	CN05S					
				5-000112471	SP041220DU01	50.00	0.00	50.00
95090	William R. Taylor MD	B01S	CN01S					
				5-000112217	SP041220DU01	50.00	0.00	50.00
130182	Richard J. Teff MD	B06S	CN01S					
				5-000112396	SP041220DU01	50.00	0.00	50.00
105055	Robert L. Tiel MD	B01S	CN01S					
				5-000112333	SP041220DU01	50.00	0.00	50.00
11311	Humberto Tijerina MD	B01S	CN01S					
				5-000111824	SP041220DU01	50.00	0.00	50.00
107570	Roland A. Torres MD	A60S						
				5-000111738	SP041220DU01	50.00	0.00	50.00

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Member ID	Name	AANS Member Type	CNS Member Type	Inv #	Batch	Inv Amt	Amt Paid	Amt Due
127243	M. Unnikrishnan MD	C99S	CN05S					
				5-000064281	SP031208DU01	50.00	0.00	50.00
				5-000112614	SP041220DU01	50.00	0.00	50.00
55327	Raul A. Vernal MD	C99S	CN01S					
				5-000112573	SP041220DU01	50.00	0.00	50.00
148165	Massimiliano Visocchi MD	C99S	CN05S					
				5-000064285	SP031208DU01	50.00	0.00	50.00
				5-000112618	SP041220DU01	50.00	0.00	50.00
14761	Franklin C. Wagner Jr. MD	B01S	CN01S					
				5-000111836	SP041220DU01	50.00	0.00	50.00
58883	Patrick R. Walsh MD PhD	B01S	CN01S					
				5-000112017	SP041220DU01	50.00	0.00	50.00
107001	Thomas M. Wascher MD	B01S	CN01S					
				5-000112346	SP041220DU01	50.00	0.00	50.00
14944	Philip R. Weinstein MD	B01S	CN01S					
				5-000111837	SP041220DU01	50.00	0.00	50.00
50172	Melvin D. Whitfield MD FAC	B01S	CN01S					
				5-000111917	SP041220DU01	50.00	0.00	50.00
90794	Diana E. Wilson MD	B01S	CN01S					
				5-000112175	SP041220DU01	50.00	0.00	50.00
152096	Steven D. Wray MD	B01S	CN01S					
				5-000112536	SP041220DU01	50.00	0.00	50.00
100718	Kim B. Wright MD	X97S						
				5-000112660	SP041220DU01	50.00	0.00	50.00
137179	Julie E. York MD	B60S	CN01S					
				5-000112515	SP041220DU01	50.00	0.00	50.00
95063	Seth M. Zeidman MD	A01S						
				5-000111630	SP041220DU01	50.00	0.00	50.00
167	Greg Zorman MD	B01S	CN01S					
				5-000111766	SP041220DU01	50.00	0.00	50.00
<b>Totals for Section: Spine Section</b>					<b>194</b>	<b>\$9,700.00</b>	<b>\$0.00</b>	<b>\$9,700.00</b>

## Outstanding Section Dues

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Member ID	Name	AANS Member Type	CNS Member Type					
				Inv #	Batch	Inv Amt	Amt Paid	Amt Due
Grand Totals				194	\$9,700.00	\$0.00	\$9,700.00	