

Minutes for Spine Section Executive Committee Meeting  
October 24, 2009  
New Orleans, LA

Members Present: Michael Groff, Zo Ghogawala, Marjorie Wang, Chris Wolfla, Tanvir Choudhri, Chris Shaffrey, Ziya Gokaslan, Brian Subach, Mike Rosner, Joseph Alexander, Kevin Foley, Pete Angevine, David Okonkwo, Justin Smith, John Hurlbert, Robet Heary  
Guests: Orrico, Tippet, Haurbaugh

The meeting was called to order by Dr. Shaffrey at 3:00PM

1. Secretary's report M. Groff
  - a. Update of email list and contact info
  - b. Review and approval of minutes Joe Alex second by Zia
  - c. Review EC grid
2. Treasurer's Report J. Hurlbert
  - a. Review and approve budget.
  - b. Review Annual meeting reconciliation. . Revenue is projected to be \$400k from annual meeting.
  - c. Conf call to rebalance the fund. In general our portfolio should be conservative rather than oriented toward growth.
3. New Business
  - a. Lumbar Fusion Task Force grant (Resnick) NIH grant to define appropriate outcomes measure for medicare population. Dr. Wolfla moves to cosponsor \$7500 for food, pamphlets. Second by Dr. Mummanneni. Pass vote.
  - b. NASS prospective spine outcomes registry. Request for funding for a broader outcome tool aprox \$7500. Dr. Tippet stated that AANS will not support the NASS registry.
  - c. Neuropoint Alliance – (D Resnick) Registry based outcomes research. Dan moves to request from the Wallace Foundation \$50K which the section would match for a pilot study with NPA outcome instruments. Second by Dr. Wolfla. Passed vote.
  - d. Dr. Shaffrey made a motion for the spine section to help with the Nick Hopkins spine complications meeting. Seconded by Dr. Resnick and vote passed.
4. Old Business
  - a) Outcomes Registry (Wolfla, Knightly)Neuroport Alliance / ABNS update
  - b) History Project is nearing completion
5. Committee Reports
  - a. Annual Meeting C. Kuntz/ P. MummanneniAdditional special course. Expanded abstract will be submitted before the meeting in preparation of the JNS:Spine manuscripts. Financially at ¾ of last year. Past Chair Dinner should be advertized. Ortho registrants will be made adjunct members.  
Dr. Shaffrey moved to allow SRS members speaking in the pre-meeting course to have their registration waived and one night hotel covered. This was done for spine section members at the SRS. Seconded by Dr. Heary. Vote passed.

- b. CPT J. Cheng/J Knightly  
Survey for ACD and F should be sent to all neurosurgeons not just the section membership.
- c. Exhibits P. Mummanneni/B. Subach  
No report. Currently \$100K behind. Things will get worse given the economic climate. Companies want to contribute money but not exhibit. This new posture from industry is being evaluated by all neurosurgical societies.
- d. Future sites I. Kalfas/E. Woodard  
Desert Ridge locked in for 3 years after favorable renegotiation of contract was completed by CNS meeting services.
- e. Research and Awards P. Gerszten/Marg. Wang  
The section should request industry support of our endowment for the maintenance of the section fellowships. M Wang, B. Heary will craft a proposal.
- f. Education Mike Wang  
No report
- g. Guidelines M. Kaiser  
Lumbar fusion guidelines will need to be updated.
- h. Outcomes Z. Ghogawala  
Clinical Trail Awards Peer review, \$25K to M Wang. Wallace family to be invited to Exec Comm Dinner.
- i. Peripheral nerve TF R Spinner
- j. Publications L. Holly  
Oral platform speakers solicited for expedited review.
- k. Public Relations M. Steinmetz  
Spine well represented on AANS PR comm.. Press releases are going out proactively.
- l. Membership P Angevine/ (Marg. Wang)  
Medical students are given free membership. After 3 years dropped from roles. 5 Ortho members have joined.  
Ad hoc committee to suggest best way to incorporate ortho members comprised of Tanvir Mark McLaughlin, Resnick was created.
- m. Washington Committee R. Heary  
Dr. Heary moves to increase the contribution to the Wash comm from \$75K to \$100K. Second by Zia. In discussion, the decision was made to better understand our current commitments. Dr. Hurlburt will present at next meeting.  
Chris moves that up to \$25K will be made available to the Washington Comm.
- n. Fellowships P. Mummanini/G. Trost  
20 fellowships approved by CAST. NREF funding is unclear. Dr. Mumannen request that only CAST approved fellowships be funded by NREF. Second by Dr. Shaffrey. Vote passed.
- o. Web Site J. Chang  
Flash card of the week gets the most hits. Joe Chang moved that \$2500 for travel to support Ben Rosenbaum going to the annual meeting be provided by the section. Second Dr. Resnick. Vote passed.
- p. CME E. Mendel/D. Fournay

No report Need minutes from SPC meeting. Disclosures of moderator and SPC need to be documented.

q. Nominating Committee

D. Resnick

Will have a slate soon.

r. Rules and Regs

T. Choudhri

No report. By-laws Tippet has asked us to check with the membership to poll their concerns with having orthopedic surgeons as officers in the spine section. Adjunct membership should be better defined.

s. Newsletter

M. Steinmetz/ Eckholtz

t. ASTM

G. Trost/J Coumans

u. NREF

Z. Gokoslan/E. Woodard

v. AANS PDP

K. Foley/ P. Johnson

No report

w. Young Neurosurgeons comm.

E. Potts/D. Sciubba

No report

x. FDA drugs and devices

J. Alexander

Meeting Monday

y. AMA Impairment

G. Trost

No new developments

z. Inter-Society Liaison

M. Rosner

There being no further business the meeting was adjourned at 5:45 PM

Respectfully submitted, Michael W. Groff, Secretary.



Executive Committee  
**Officers and Committee Chairs**  
**JOINT SECTION ON DISORDERS OF THE SPINE & PERIPHERAL NERVES**  
**September 2008**

Position	2005-06	2006-07	2007-2008	2008-2009	2009-2010
Chair	R. Heary	C. Branch	J. Alexander	D. Resnick	C. Shaffrey
Chair Elect	C. Branch	J. Alexander	D. Resnick	C. Shaffrey	Z. Gokaslan
Immediate Past Chair	G. Rodts	R. Heary	C. Branch	J. Alexander	D. Resnick
Secretary	D. Resnick	D. Resnick	D. Resnick	M. Groff	M. Groff
Treasurer	T. Ryken	C. Wolfla	C. Wolfla	C. Wolfla	J. Hurlburt
Members at Large	J. Alexander D. Kim K. Foley	D. Kim K. Foley G. Trost	K. Foley G. Trost C. Shaffrey	G. Trost M. McLaughlin E. Zager	C. Wolfla M. McLaughlin E. Zager
Ex-Officio Members	Z. Gokaslan	C. Shaffrey G. Rodts	R. Haid E. Woodard P. Johnson	J. Hurlbert J. Knightly	C. Kuntz F. LeMarca D Okonkwo
Annual Meeting Chair	M. Groff	M. McLaughlin	J. Hurlbert	C. Kuntz	P. Matz
Scientific Program Chair	M. McLaughlin	J. Hurlbert	C. Kuntz	P. Matz	P. Mummaneni
Exhibit Chair	J. Knightly	J. Knightly	J. Knightly P. Mummaneni	P. Mummaneni	B. Subach
Future Sites	J. Alexander	I. Kalfas	I. Kalfas	I. Kalfas P. Mummaneni	I. Kalfas E. Woodard
Education Committee Chair	J. Hurlbert	C. Kuntz	M. Groff P. Matz	Mike Wang	Mike Wang
CME Representative	T. Ryken	E. Mendel	E. Mendel	E. Mendel	D. Fournay
Newsletter	J. York	M. Groff	M. Groff	M. Steinmetz K. Eichholz	M. Steinmetz K. Eichholz
Rules and Regulations Chair	D. DiRisio	T. Choudhri	T. Choudhri	T. Choudhri	T. Choudhri
Nominating Committee Chair	R. Rodts	R. Heary	C. Branch	J. Alexander	D. Resnick
Research and Awards Committee Chair	C. Wolfla	P. Gerszten	P. Gerszten	P. Gerszten	Marg. Wang P. Gerszten A. Kanter
Publications Committee Chair	C. Dickman	M. Wang	M. Wang	L. Holly	L. Holly
Web Site Committee Chair	C. Wolfla	J. Cheng	J. Cheng	J. Cheng	E. Potts J. Cheng
Guidelines Committee Chair	P. Matz	P. Matz	P. Matz M. Kaiser	M. Kaiser	M. Kaiser
Membership Committee	G. Trost	Z. Gokaslan	Z. Gokaslan Marg. Wang	Marg. Wang	P. Angevine
Outcomes Committee Chair	M. Kaiser T. Choudhri	M. Kaiser	M. Kaiser Z. Ghogawala	Z. Ghogawala	Z. Ghogawala
CPT Committee	W. Mitchell R. Johnson	R. Johnson	J. Cheng	J. Cheng	J. Knightly
Peripheral Nerve Task Force Chair	E. Zager	E. Zager	E. Zager	A. Maniker	A. Maniker
Washington Committee	R. Rodts	R. Heary	J. Alexander/R. Heary	R. Heary	R. Heary

FDA drugs and devices				J. Alexander	J. Alexander
Section Rep.,P.A.C.	S. Ondra	S. Ondra	Z. Gokaslan	Z. Gokaslan	Z. Gokaslan
Public Relations	C. Kuntz T. Choudhri	T. Choudhri	M. Steinmetz	M. Steinmetz	M. Steinmetz
Fellowships	J. Alexander	P. Mummaneni	P. Mummaneni	P. Mummaneni	G. Trost
NREF Advisory Board		J. Guest	J. Guest	Z. Gokaslan E. Woodard	Z. Gokaslan E. Woodard
AANS PDP Representative		M. Groff	M. Groff	P. Johnson K. Foley	P. Johnson K. Foley
Young Neurosurgeons Representative			H. Aryan	E. Potts D. Sciubba	E. Potts D. Sciubba
AMA Impairment			G. Trost	G. Trost	G. Trost
ASTM			G. Trost	G. Trost	J. Coumans
Inter- Society Liaison			S. Ondra M. Rosner	M. Rosner	M. Rosner
Ad hoc Comm for Policy/Procedure for Payer Policy Responses					J. Cheng J. Knightly Z. Ghogawala G. Trost D. Resnick
Ad hoc Comm for NeuroPoint Alliance Modules					P. Matz J. Smith Than Brooks D. Sciubba



American  
Association of  
Neurological  
Surgeons

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**Historian**

Samuel H. Greenblatt

**Executive Director**

Thomas A. Marshall  
[tam@aans.org](mailto:tam@aans.org)

February 5, 2010

R. John Hurlbert, MD PhD  
Foothills Med. Ctr./Clinical Neurosci.  
1403 29th St. N.W. Rm. C 1249  
Calgary, AB T2N-2T9  
Canada

Dear Doctor Hurlbert:

The enclosed financial statements for the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves are for the six months ended December 31, 2009, and comparative information for the six months ended December 31, 2008.

After your review of the financial statements and commentary, if you have any questions, please do not hesitate to contact me at 847-378-0561 or [rpc@aans.org](mailto:rpc@aans.org).

Sincerely,

Rebecca P. Calloway-Blyth  
Section Accountant

Enclosures

Cc: Christopher I. Shaffrey, MD  
Troy M. Tippet, MD  
Gerald E. Rodts, Jr. MD  
Paul C. McCormick, MD  
Daniel K. Resnick, MD  
Laurie Behncke

AANS/CNS Section on Disorders of the Spine  
Statement of Financial Position  
As of December 31, 2009

	Current Year 12/31/09	Prior Year 12/31/08
<b>ASSETS</b>		
Checking & Short Term Investments	\$679,872	\$459,902
Accounts Receivable, net of Allowance for Uncollectible Accounts	104,750	40,735
Prepaid Expenses		12,398
Long-Term Investment Pool, at Market	1,720,384	1,555,441
<b>TOTAL ASSETS</b>	<b><u>\$2,505,006</u></b>	<b><u>\$2,068,476</u></b>
<b>LIABILITIES AND NET ASSETS</b>		
<b>Liabilities</b>		
Deferred Contribution Revenue	45,000	
Deferred Dues	52,800	54,100
<b>Total Liabilities</b>	<b><u>\$97,800</u></b>	<b><u>\$54,100</u></b>
<b>Net Assets</b>		
Unrestricted	\$2,255,728	\$2,144,822
Unrestricted - Fellowships	\$100,000	\$85,000
Net Revenue (Expense)	51,478	(215,446)
<b>Total Net Assets</b>	<b><u>\$2,407,206</u></b>	<b><u>\$2,014,376</u></b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b><u>\$2,505,006</u></b>	<b><u>\$2,068,476</u></b>



AANS/CNS Section on Disorders of the Spine  
Statement of Activities  
For the Six Months Ending December 31, 2009

	FY '08 Final	FY '09 Final	YTD FY '10	FY '10 Budget
<b>REVENUES</b>				
Membership Dues	\$53,925	\$49,300	\$26,650	\$52,550
Mailing List Sales	885	2,065	590	0
Fellowship/Award Sponsorship	174,000	120,000	50,000	185,000
Contributions for Operating Expenses	7,405	7,977	4,623	9,072
Annual Meeting Revenue	961,534	1,043,635	0	935,385
<b>TOTAL REVENUES &amp; SUPPORT</b>	<b>\$1,197,749</b>	<b>\$1,222,977</b>	<b>\$81,863</b>	<b>\$1,182,007</b>
<b>EXPENSES</b>				
Audio Visual	\$1,888	\$1,971	\$1,094	\$2,000
Bank Fee	518	648	(9)	706
Contributions & Affiliations	75,000	90,000	25,000	75,000
Decorating	0	205	260	250
Food & Beverage	3,626	4,827	2,400	5,000
Fellowships	144,507	151,604	0	0
Honoraria & Awards	0	0	25,000	196,500
Office & other Supplies	543	592	0	600
Photocopy	1	0	0	25
Postage & Distribution	1,058	1,284	625	1,500
Printing/Typesetting	0	1,966	0	0
Telephone	11	487	0	500
Volunteer Travel	1,188	60	0	1,500
Website	5,521	3,354	0	15,500
Staff Coordination	7,405	7,977	4,623	9,072
Miscellaneous	0	12,398	3,550	0
Guidelines Development	0	297	10,010	33,600
Spine Section History Project	0	7,968	12,403	40,000
Annual Meeting Expense	616,907	628,034	50,000	703,725
<b>TOTAL EXPENSES</b>	<b>\$858,173</b>	<b>\$913,672</b>	<b>\$134,956</b>	<b>\$1,085,478</b>
Investment Earnings	(32,160)	(183,399)	104,571	84,463
<b>NET REVENUE</b>	<b>\$307,416</b>	<b>\$125,906</b>	<b>\$51,478</b>	<b>\$180,992</b>



UBS Financial Services Inc.  
257 EAST MAIN STREET  
BARRINGTON IL 60010-4362

APP1002474283 1209 GS 0

# Business Services Account

December 2009

**Account name:** AMERICAN ASSOCIATION OF  
NEUROLOGICAL SURGEONS

**Account type:** PACE Multi

**Account number:** GS 08240 25

**Your Financial Advisor:**

BODOLAY, JOHN L 847-277-2129  
Phone: 847-277-2100/800-824-2521

**Questions about your statement?**

Call your Financial Advisor or the  
ResourceLine at 800-762-1000,  
account 833008240.

**Visit our website:**

[www.ubs.com/financialservices](http://www.ubs.com/financialservices)

AMERICAN ASSOCIATION OF  
NEUROLOGICAL SURGEONS  
CNS SECTION ON DISORDERS OF  
THE SPINE  
5500 MEADOWBROOK INDSTR CT  
ROLLING MEADOWS IL 60008-3800

## Value of your account

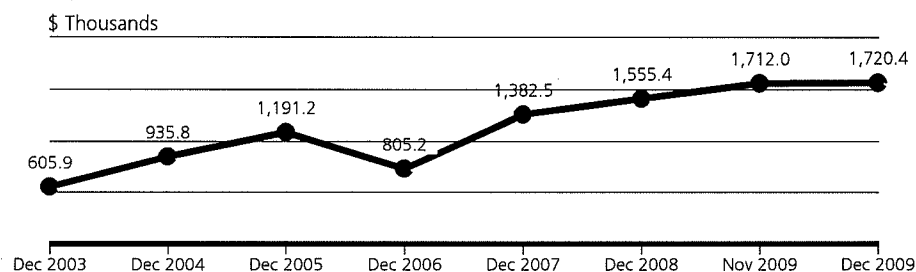
	on November 30 (\$)	on December 31 (\$)
Your assets	1,712,038.19	1,720,389.74
Your liabilities	0.00	0.00
<b>Value of your account</b>	<b>\$1,712,038.19</b>	<b>\$1,720,389.74</b>

As a service to you, your account value of \$1,720,389.74 includes accrued interest, pending return of principal, and the following assets that are not held by UBS:

Insurance Products	\$1,070,788.12
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Information about these assets not held by UBS, including their value, was provided by an external source for which UBS is not responsible. These assets are not covered by SIPC. See the section *Your assets* for details.

## Tracking the value of your account



### Sources of your account growth during 2009

Value of your account at year end 2008	\$1,555,446.53
Net amount you invested	-\$1,345.37
Your investment return:	
Dividend and interest income	\$18,680.59
Change in value of outside assets and accruals	\$51,475.30
Change in market value	\$96,132.69

**Value of your account on Dec 31, 2009** **\$1,720,389.74**



Account name: AMERICAN ASSOCIATION OF  
Account number: GS 08240 25

## Your account balance sheet

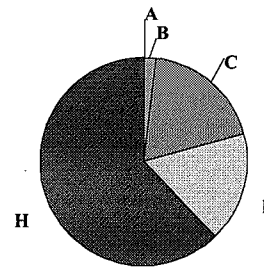
The value of your account includes assets held at UBS and certain assets held away from UBS. See page 1 for more information.

### Summary of your assets

	Value on December 31 (\$)	Percentage of your account
<b>A</b> Cash and money balances	399.82	0.02%
<b>B</b> Cash alternatives	31,276.33	1.82%
<b>C</b> Equities	324,638.76	18.87%
<b>D</b> Fixed income	293,286.71	17.05%
<b>E</b> Alternative strategies	0.00	0.00%
<b>F</b> Broad commodities	0.00	0.00%
<b>G</b> Real estate	0.00	0.00%
<b>H</b> Other	1,070,788.12	62.24%
<b>Total assets</b>	<b>\$1,720,389.74</b>	<b>100.00%</b>

**Value of your account** **\$1,720,389.74**

### Your current asset allocation



### Eye on the markets

Index	Percentage change	
	December 2009	Year to date
S&P 500	1.93%	26.46%
Russell 3000	2.85%	28.34%
MSCI - Europe, Australia & Far East	1.45%	32.46%
Barclays Capital Aggregate Bond Index 10+ Yrs.	-3.30%	0.08%

#### Interest rates on December 31, 2009

3-month Treasury bills: 0.10%

One-month LIBOR: 0.23%



Business Services Account  
December 2009

Account name: AMERICAN ASSOCIATION OF  
Account type: PACE Multi  
Account number: GS 08240 25

Your Financial Advisor:  
BODOLAY, JOHN L 847-277-2129  
847-277-2100/800-824-2521

## Change in the value of your account

	December 2009 (\$)	Year to date (\$)
<b>Opening account value</b>	<b>\$1,712,038.19</b>	<b>\$1,555,446.53</b>
Withdrawals and fees, including securities transferred out	0.00	-1,345.37
Dividend and interest income	4,415.72	18,680.59
Change in value of outside assets/accruals	4,758.90	51,475.30
Change in market value	-823.07	96,132.69
<b>Closing account value</b>	<b>\$1,720,389.74</b>	<b>\$1,720,389.74</b>

## Dividend and interest income earned

For purposes of this statement, taxability of interest and dividend income has been determined from a US tax reporting perspective. Based upon the residence of the account holder, account type, or product type, some interest and/or dividend payments may not be subject to United States (US) and/or Puerto Rico (PR) income taxes. The client monthly statement is not intended to be used and cannot be relied upon for tax purposes. Clients should refer to the applicable tax reporting forms they receive from UBS annually, such as the Forms 1099 and the Forms 480, for tax reporting information. It is the practice of UBS to file the applicable tax reporting forms with the US Internal Revenue Service and PR Treasury Department, and in such forms accurately classify dividends and/or interest as tax exempt or taxable income. Please consult your individual tax preparer.

	December 2009 (\$)	Year to date (\$)
Taxable dividends	4,415.72	17,595.17
<b>Total current year</b>	<b>\$4,415.72</b>	<b>\$17,595.17</b>
Prior year adjustment	0.00	1,085.42
<b>Total dividend &amp; interest</b>	<b>\$4,415.72</b>	<b>\$18,680.59</b>

## Summary of gains and losses

Values reported below exclude products for which gains and losses are not classified.

	Realized gains and losses		Unrealized gains and losses (\$)
	December 2009 (\$)	Year to date (\$)	
Short term	0.00	0.00	618.89
Long term	0.00	0.00	-105,328.56
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>-\$104,709.67</b>

## Cash activity summary

See the section *Account activity this month* for details. UBS Bank USA deposit account balances are included in the *opening and closing balances* value, are insured by the FDIC within applicable limits, but are not protected by SIPC. See *Important information about your statement* at the end of this document for details about those balances.

	December 2009 (\$)	Year to date (\$)
<b>Opening balances</b>	<b>\$399.80</b>	<b>\$1,742.32</b>
<i>Additions</i>		
Dividend and interest income	4,415.72	18,680.59
<b>Total additions</b>	<b>\$4,415.72</b>	<b>\$18,680.59</b>
<i>Subtractions</i>		
Professional management fees and related services	0.00	-1,345.37
Funds withdrawn for securities bought	-4,415.70	-18,677.72
<b>Total subtractions</b>	<b>-\$4,415.70</b>	<b>-\$20,023.09</b>
<b>Net cash flow</b>	<b>\$0.02</b>	<b>-\$1,342.50</b>
<b>Closing balances</b>	<b>\$399.82</b>	<b>\$399.82</b>



**Account name:** AMERICAN ASSOCIATION OF  
**Account number:** GS 08240 25

## Your investment objectives:

You have identified the following investment objectives for this account. If you have questions about these objectives, disagree with them, or wish to change them, please contact your Financial Advisor or Branch Manager. You can find a full description of the alternative investment objectives in *Important information about your statement* at the end of this document.

**Your return objective:**

Capital appreciation

**Your risk profile:**

Primary - Moderate

Secondary - None selected

**Your PACE investment objectives:**

**Your PACE return objective:**

Income and capital appreciation

**Your PACE risk profile:**

Moderately conservative



Business Services Account  
December 2009

Account name: AMERICAN ASSOCIATION OF  
Account type: PACE Multi  
Account number: GS 08240 25

Your Financial Advisor:  
BODOLAY, JOHN L 847-277-2129  
847-277-2100/800-824-2521

## Your PACE assets

Some prices, income and current values shown may be approximate. As a result, gains and losses may not be accurately reflected. Gains and losses for zero-coupon investments are not shown. See Important information about your statement at the end of this document for more information.

Investment return is the current value minus the amount you invested. It does not include any cash dividends that were not reinvested.

Total reinvested is the total of all reinvested dividends. It does not include any cash dividends. It is not a tax lot for the purposes of determining holding periods or cost basis. The shares you receive each time you reinvest dividends become a separate tax lot.

Cost basis is the total purchase cost of the security, including reinvested dividends. The cost basis may need to be adjusted for return of capital payments in order to determine the adjusted cost basis for tax reporting purposes.

Unrealized gain or loss is the difference between the current value and the cost basis. The unrealized gain or loss may need to be adjusted for return of capital payments in order to determine the realized gain or loss for tax reporting purposes.

### Cash alternatives

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
UBS PACE MONEY MARKET INVESTMENT FUND CLASS P									
Trade date: Oct 3, 08	31,125.680	1.000	31,125.68	31,125.68	1.000	31,125.68			LT
Total reinvested	150.650	1.000		150.65	1.000	150.65			
Security total	31,276.330		31,125.68	31,276.33		31,276.33		150.65	

### Equities

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
COLUMBIA MARSICO FOCUSED EQUITIES FUND CLASS A									
Trade date: Jan 28, 05	323.511	17.560	5,680.85	5,680.85	19.170	6,201.71	520.86		LT
Trade date: Aug 10, 07	675.676	22.200	15,000.00	15,000.00	19.170	12,952.71	-2,047.29		LT
Trade date: Sep 4, 07	1,720.430	23.250	40,000.00	40,000.00	19.170	32,980.64	-7,019.36		LT
Total reinvested	68.568	23.148		1,587.28	19.170	1,314.45	-272.83		
EAI: \$92 Current yield: 0.17%									
Security total	2,788.185		60,680.85	62,268.13		53,449.50	-8,818.62	-7,231.34	
COLUMBIA ACORN FUND CLASS A									
Trade date: May 18, 04	322.087	22.370	7,205.10	7,205.10	23.980	7,723.64	518.54		LT
Trade date: Aug 10, 07	359.595	30.590	11,000.01	11,000.01	23.980	8,623.09	-2,376.92		LT

continued next page



Account name: AMERICAN ASSOCIATION OF  
Account number: GS 08240 25

Your PACE assets ▶ **Equities** (continued)

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
Total reinvested	591.686	27.925		16,523.35	23.980	14,188.63	-2,334.72		
Security total	1,273.368		18,205.11	34,728.46		30,535.36	-4,193.10	12,330.25	
EATON VANCE LARGE CAP VALUE FUND CLASS A									
Trade date: Aug 10, 07	1,082.399	21.490	23,260.75	23,260.75	16.740	18,119.36	-5,141.39		LT
Trade date: Sep 4, 07	1,351.960	22.190	30,000.00	30,000.00	16.740	22,631.81	-7,368.19		LT
Total reinvested	181.755	19.405		3,527.04	16.740	3,042.58	-484.46		
EAI: \$583 Current yield: 1.33%									
Security total	2,616.114		53,260.75	56,787.79		43,793.74	-12,994.04	-9,467.00	
HARTFORD CAPITAL APPRECIATION FUND CL A									
Trade date: Oct 24, 07	545.027	44.520	24,264.60	24,264.60	30.680	16,721.43	-7,543.17		LT
Total reinvested	259.730	39.472		10,252.30	30.680	7,968.51	-2,283.79		
EAI: \$252 Current yield: 1.02%									
Security total	804.757		24,264.60	34,516.90		24,689.94	-9,826.96	425.34	
ING GLOBAL REAL ESTATE FUND CLASS A									
Trade date: Feb 28, 06	441.169	18.780	8,285.15	8,285.15	14.670	6,471.94	-1,813.21		LT
Total reinvested	152.501	20.175		3,076.83	14.670	2,237.19	-839.64		
EAI: \$496 Current yield: 5.70%									
Security total	593.670		8,285.15	11,361.98		8,709.13	-2,652.85	423.98	
ING INTERNATIONAL VALUE FUND CLASS A									
Trade date: Sep 4, 07	1,476.221	21.990	32,462.10	32,462.10	11.480	16,947.01	-15,515.09		LT
Total reinvested	1,887.526	15.637		29,516.16	11.480	21,668.79	-7,847.37		
EAI: \$575 Current yield: 1.49%									
Security total	3,363.747		32,462.10	61,978.26		38,615.81	-23,362.46	6,153.70	
JANUS FORTY FUND A									
Trade date: Sep 26, 07	216.153	38.890	8,406.40	8,406.40	31.900	6,895.28	-1,511.12		LT
Trade date: Oct 9, 07	736.116	40.754	30,000.00	30,000.00	31.900	23,482.09	-6,517.91		LT
Total reinvested	55.173	22.668		1,250.70	31.900	1,760.02	509.32		
Security total	1,007.442		38,406.40	39,657.10		32,137.39	-7,519.71	-6,269.01	

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Business Services Account  
December 2009

Account name: AMERICAN ASSOCIATION OF  
Account type: PACE Multi  
Account number: GS 08240 25

Your Financial Advisor:  
BODOLAY, JOHN L 847-277-2129  
847-277-2100/800-824-2521

### Your PACE assets ▶ Equities (continued)

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
JOHN HANCOCK CLASSIC VALUE FUND CLASS A									
Trade date: Mar 13, 06	364.258	25.490	9,284.94	9,284.94	14.390	5,241.67	-4,043.27		LT
Trade date: Aug 10, 07	698.016	27.220	19,000.00	19,000.00	14.390	10,044.45	-8,955.55		LT
Trade date: Sep 4, 07	723.589	27.640	20,000.00	20,000.00	14.390	10,412.44	-9,587.56		LT
Total reinvested	707.100	19.456		13,757.95	14.390	10,175.17	-3,582.78		
EAI: \$287 Current yield: 0.80%									
Security total	2,492.963		48,284.94	62,042.89		35,873.73	-26,169.16	-12,411.21	
TOUCHSTONE MID CAP GROWTH FUND CLASS A									
Trade date: Aug 10, 07	1,130.956	25.110	28,398.31	28,398.31	18.990	21,476.85	-6,921.46		LT
Trade date: Sep 4, 07	1,167.315	25.700	30,000.00	30,000.00	18.990	22,167.31	-7,832.69		LT
Total reinvested	694.576	22.468		15,606.05	18.990	13,190.00	-2,416.05		
Security total	2,992.847		58,398.31	74,004.36		56,834.16	-17,170.20	-1,564.15	
<b>PACE portfolio total</b>			<b>\$342,248.21</b>	<b>\$437,345.87</b>		<b>\$324,638.76</b>	<b>-\$112,707.10</b>	<b>-\$17,609.45</b>	
<b>Total estimated annual income: \$2,285</b>									

### Fixed income

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
PIMCO REAL RETURN FUND CLASS A									
Trade date: Feb 7, 08	2,462.130	11.290	27,797.45	27,797.45	10.790	26,566.38	-1,231.07		LT
Total reinvested	333.684	10.209		3,406.83	10.790	3,600.45	193.62		
EAI: \$704 Current yield: 2.33%									
Security total	2,795.814		27,797.45	31,204.28		30,166.83	-1,037.45	2,369.38	
PIMCO TOTAL RETURN FUND CLASS A									
Trade date: May 18, 04	4,759.903	10.570	50,312.17	50,312.17	10.800	51,406.95	1,094.78		LT
Trade date: Jan 28, 05	2,201.020	10.680	23,506.89	23,506.89	10.800	23,771.02	264.13		LT
Trade date: Aug 10, 07	8,763.389	10.270	90,000.00	90,000.00	10.800	94,644.60	4,644.60		LT

continued next page





Account name: AMERICAN ASSOCIATION OF  
Account number: GS 08240 25

## Your PACE assets ▶ Fixed income (continued)

Holding	Number of shares	Purchase price per share (\$)	Client investment (\$)	Cost basis (\$)	Price per share on Dec 31 (\$)	Value on Dec 31 (\$)	Unrealized gain or loss (\$)	Investment return (\$)	Holding period
Total reinvested	8,638.640	10.449		90,265.94	10.800	93,297.31	3,031.37		
EAI: \$13,692 Current yield: 5.20%									
Security total	24,362.952		163,819.06	254,085.00		263,119.88	9,034.88	99,300.82	
<b>PACE portfolio total</b>			<b>\$191,616.51</b>	<b>\$285,289.28</b>		<b>\$293,286.71</b>	<b>\$7,997.43</b>	<b>\$101,670.20</b>	
<b>Total estimated annual income: \$14,396</b>									

## Your assets not enrolled in PACE

Some prices, income and current values shown may be approximate. As a result, gains and losses may not be accurately reflected. See *Important information about your statement* at the end of this document for more information.

### Cash

#### Cash and money balances

Holding	Opening balance on Dec 1 (\$)	Closing balance on Dec 31 (\$)	Price per share on Dec 31 (\$)	Average rate	Dividend/Interest period	Days in period
Cash	0.00	150.00				
RMA MONEY MKT. PORTFOLIO	399.80	249.82	1.00	0.01%	Nov 23 to Dec 23	31
<b>Total</b>	<b>\$399.80</b>	<b>\$399.82</b>				

### Other

#### Assets held outside UBS Financial Services Inc.

These assets are held outside UBS Financial Services Inc. and are included in your statement as a service to you. Information about these assets, including their value, is provided by the issuer and UBS Financial Services Inc. does not guarantee the accuracy of the information and is not responsible for it. The value

shown is not necessarily the value you would receive from the issuer if you sold the assets. These assets are not covered by SIPC.

#### Annuities

Holding	Issue date	Contract number	Death benefit (\$)	Rate	Amount (\$)	Value (\$)
SYMETRA LIFE INSURANCE COMPANY SELECT 5 FIXED ANNUITY-NON-NY AS OF 12/30/2009	Oct 23, 08	V000068637		Variable	1,000,000.000	1,070,788.12



Business Services Account  
December 2009

Account name: AMERICAN ASSOCIATION OF  
Account type: PACE Multi  
Account number: GS 08240 25

Your Financial Advisor:  
BODOLAY, JOHN L 847-277-2129  
847-277-2100/800-824-2521

## Your total assets

		Value on Dec 31 (\$)	Percentage of your account	Cost basis (\$)	Estimated annual income (\$)	Unrealized gain or loss (\$)
Cash	Cash and money balances	399.82	0.02%	399.82		
Cash alternatives	PACE	31,276.33	1.82%	31,276.33		
Equities	PACE	324,638.76	18.87%	437,345.87	2,285.00	-112,707.10
Fixed income	PACE	293,286.71	17.05%	285,289.28	14,396.00	7,997.43
Other	Annuities	1,070,788.12	62.24%			
Total		\$1,720,389.74	100.00%	\$754,311.30	\$16,681.00	-\$104,709.67
Your total PACE assets**		\$649,201.80	37.74%	\$753,911.48	\$16,681.00	-\$104,709.67

\*\* Your total PACE assets are included in the Total reported above.

## Account activity this month

	Date	Activity	Description	Amount (\$)
<b>Dividend and interest income</b>				
<i>Taxable dividends</i>				
	Dec 1	Dividend	PIMCO TOTAL RETURN FUND CLASS A AS OF 11/30/09	802.73
	Dec 1	Dividend	PIMCO REAL RETURN FUND CLASS A AS OF 11/30/09	40.91
	Dec 10	Lt Cap Gain	PIMCO TOTAL RETURN FUND CLASS A LONG TERM CAPITAL GAIN AS OF 12/09/09	582.91
	Dec 10	St Cap Gain	PIMCO TOTAL RETURN FUND CLASS A SHORT TERM CAPITAL GAIN AS OF 12/09/09	2,095.53
	Dec 14	Dividend	COLUMBIA MARSICO FOCUSED EQUITIES FUND CLASS A AS OF 12/11/09	30.37
	Dec 16	Dividend	UBS PACE MONEY MARKET INVESTMENT FUND CLASS P AS OF 12/15/09	0.29
	Dec 16	Dividend	JOHN HANCOCK CLASSIC VALUE FUND CLASS A AS OF 12/15/09	283.45
	Dec 16	Dividend	ING INTERNATIONAL VALUE FUND CLASS A AS OF 12/15/09	93.29
	Dec 17	St Cap Gain	RMA MONEY MKT. PORTFOLIO AS OF 12/16/09	0.02
	Dec 18	St Cap Gain	UBS PACE MONEY MARKET INVESTMENT FUND CLASS P SHORT TERM CAPITAL GAIN AS OF 12/17/09	0.73
	Dec 31	Dividend	PIMCO REAL RETURN FUND CLASS A AS OF 12/30/09	377.97
	Dec 31	Dividend	EATON VANCE LARGE CAP VALUE FUND CLASS A AS OF 12/30/09	107.52
			<b>Total taxable dividends</b>	<b>\$4,415.72</b>
			<b>Total dividend and interest income</b>	<b>\$4,415.72</b>



Account name: AMERICAN ASSOCIATION OF  
Account number: GS 08240 25

## Account activity this month (continued)

### Security transactions

For more information about the price/value shown for restricted securities, see *Important information about your statement* at the end of this document.

Date	Activity	Description	Quantity	Value (\$)	Price (\$)	Proceeds from securities transactions (\$)	Funds withdrawn for securities bought (\$)	Accrued interest (\$)
Dec 1	Reinvestment	PIMCO TOTAL RETURN FUND CLASS A DIVIDEND REINVESTED AT 11.04 NAV ON 11/30/09 AS OF 11/30/09	72.711				-802.73	
Dec 1	Reinvestment	PIMCO REAL RETURN FUND CLASS A DIVIDEND REINVESTED AT 11.18 NAV ON 11/30/09 AS OF 11/30/09	3.659				-40.91	
Dec 10	Reinvestment	PIMCO TOTAL RETURN FUND CLASS A ST CAP GAINS REINVESTED AT 10.89 NAV ON 12/09/09 AS OF 12/09/09	192.427				-2,095.53	
Dec 10	Reinvestment	PIMCO TOTAL RETURN FUND CLASS A LT CAP GAINS REINVESTED AT 10.89 NAV ON 12/09/09 AS OF 12/09/09	53.527				-582.91	
Dec 14	Reinvestment	COLUMBIA MARSICO FOCUSED EQUITIES FUND CLASS A DIVIDEND REINVESTED AT 18.93 NAV ON 12/10/09 AS OF 12/11/09	1.604				-30.37	
Dec 16	Reinvestment	1000TH UBS PACE MONEY MARKET INVESTMENT FUND CLASS P DIVIDEND REINVESTED AT 1.00 NAV ON 12/15/09 AS OF 12/15/09	290.000				-0.29	
Dec 16	Reinvestment	JOHN HANCOCK CLASSIC VALUE FUND CLASS A DIVIDEND REINVESTED AT 14.48 NAV ON 12/14/09 AS OF 12/15/09	19.575				-283.45	
Dec 16	Reinvestment	ING INTERNATIONAL VALUE FUND CLASS A DIVIDEND REINVESTED AT 11.47 NAV ON 12/15/09 AS OF 12/15/09	8.133				-93.29	
Dec 18	Reinvestment	1000TH UBS PACE MONEY MARKET INVESTMENT FUND CLASS P ST CAP GAINS REINVESTED AT 1.00 NAV ON 12/17/09 AS OF 12/17/09	730.000				-0.73	
Dec 31	Reinvestment	PIMCO REAL RETURN FUND CLASS A DIVIDEND REINVESTED AT 10.80 NAV ON 12/30/09 AS OF 12/30/09	34.997				-377.97	
Dec 31	Reinvestment	EATON VANCE LARGE CAP VALUE FUND CLASS A DIVIDEND REINVESTED AT 16.89 NAV ON 12/30/09 AS OF 12/30/09	6.366				-107.52	
<b>Total</b>							<b>-\$4,415.70</b>	



Business Services Account  
December 2009

**Account name:** AMERICAN ASSOCIATION OF  
**Account type:** PACE Multi  
**Account number:** GS 08240 25

**Your Financial Advisor:**  
BODOLAY, JOHN L 847-277-2129  
847-277-2100/800-824-2521

Account activity this month (continued)

	Date	Activity	Description	Amount (\$)
<b>Money balance activities</b>	<b>Nov 30</b>	<b>Balance forward</b>		<b>\$399.80</b>
	Dec 7	Sold	RMA MONEY MKT. PORTFOLIO	-150.00
	Dec 17	Bought	RMA MONEY MKT. PORTFOLIO AS OF 12/16/09	0.02
	<b>Dec 31</b>	<b>Closing RMA Money Mkt. Portfolio</b>		<b>\$249.82</b>

The RMA Money Market Portfolio is your primary sweep option.



Your notes

Scientific Program Committee 10/24/09

Called to order 11:00.

Present: Praveen Mummaneni, P. Angevine, L. Holly, Eve Tsai, Linda Yang, Dan Resnick, Paul Matz, David Okonkwo, Dean Chou, Mike Steinmetz, Dom Coric, Jim Harrop

#### Minutes

22 oral abstract submissions were selected to fill 19 speaking slots; 3 extra submissions were chosen to account for 3 award presentations that are separately allocated. Authors will be asked to submit 1000-word abstract with the expectation of a manuscript being prepared and submitted.

59 oral point submissions were selected based on mean score, with consideration of minimizing topic overlap and over-representation of individual authors or groups of authors.

The meeting was adjourned at 12:30.

## 2010 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves

### Awards Committee Report

P. Gertszten, A. Kantor, M. Wang

#### 1. 2010 Awards (excludes Clinical Outcomes Awards)

- a. Eblast plus Section Website
    - i. Received 28 applications
    - ii. 4 reviewers, independent reviews
    - iii. Thanks to Robert Spinner, Allen Maniker
  - b. Award Winners: checks delivered during meeting 2/2010
    - i. **Cahill Award:** Chandan Reddy ; "Application of Peripheral Nerve Surgery to Neuroprosthetics and Pain Management; Mentor Dr. Spinner, Mayo Clinic
    - ii. **Cloward Award:** Helen Khuong; "Academic Peripheral Nerve Fellowship , " Mentor Dr. Midha , University of Calgary
    - iii. **Crockard Award:** G Balamuri; Dr. Mummaneni, UCSF and Dr. Fessler, Rush University
    - iv. **Sonntag Award:** Payman Vahedi: Dr. Gerszten, University of Pittsburgh
    - v. **Larson Award:** Matthew McGirt "Cost effective analysis and determination of minimum clinical important differences in pain, disability, and quality of life after revision decompression and fusion for failed back surgery syndrome," Vanderbilt
    - vi. **Apfelbaum Award:** John Shin "Regeneration of Bladder Function following Spinal Cord Injury: A Combined Therapeutic Strategy Utilizing Macrophage Depletion, cAMP Elevation, and Neural Stem Cell Transplantation," Michael Steinmetz, Cleveland Clinic
    - vii. **Kline Award:** Gerald Tuite "A Multi-Institutional, Prospective, Randomized, Double Blinded Trial To Assess The Effectiveness of the Xiao "skin-CNS-bladder" Procedure for the Treatment of Neurogenic Bowel and Bladder Dysfunction Related to Spina Bifida," All Children's Hospital, St. Petersburg, Florida
  - c. Proposal: revise website and application process
    - i. Clarify instructions
    - ii. Emphasize role of mentor in methodology etc.
    - iii. Update application form
- #### 2. Mayfield Awards (3): top abstracts submitted to Section Meeting
- a. **Clinical:** Raqeeb Haque: "Spinal Accessory and Intercostal Nerves to Bypass Spinal Cord Injury"
  - b. **Basic Science:** Wilson Ray: "Role of the Direct and Indirect Pathways in Nerve Allograft Rejection"
  - c. **Outcomes** (selected by Outcomes Committee): Daniel Lu: "Multilevel ACDF with and without BMP: A Comparison of Outcomes and Dysphagia Rates in 150 Patients"
- #### 3. Poster awards (3 awards, 15 top-rated posters)
- a. **First place:** "Utilization of nanoparticles to assess biodegradable polymer channels for spinal cord injury repair," Eve C. Tsai MD; Harrison Westwick BSc; Xuefen Yang MD; Arturo Cardenas-Blanco; Matthew Coyle BSc; Benu Sethi BSc; Xudong Cao PhD; The Ottawa Hospital
  - b. **Second place:** "In vivo model for implantation of tissue engineered intervertebral discs in the rat tail," Harry H. Gebhard MD; Robby Bowles BS; Lawrence J. Bonassar PhD; Roger Hartl MD; Weill Medical College of Cornell University New York, NY and Department of Biomedical Engineering, Cornell University Ithaca

## 2010 AANS/CNS Section on Disorders of the Spine and Peripheral Nerves

### Awards Committee Report

P. Gertszten, A. Kantor, M. Wang

- c. **Third place:** "Gene Expression of End Plate and Nucleus Pulposus Cells In 3D Pellet Cultures for Disc Regeneration Applications," Shawn Allen Belverud DO; Passquale Razzano; Jenna Kiridly; Daniel Grande; Mitchell Levine MD; Nadeen Chahine PhD; Department of Neurosurgery, North Shore University Hospital, Fienstein Institution for Medical Research, North Shore LIJ Health System
4. **Funding**
  - a. Delinquent funds: obtained funds for prior awards
    - i. DePuy Spine (Crockard 5K; Larson 30K)
    - ii. Aesculap (Apfelbaum, 15K)
    - iii. Synthes (Cahill, 30K)
  - b. Proposal for Annuity Contributions from Sponsors
    - i. Ron Engelbreit: Please find the attached spreadsheet containing the awards calculation schedule. I assumed a constant interest rate (5%) as well as receiving the money one year in advance of the first payout. Using these assumptions, the initial amounts needed are :1. \$5,000 award for 10 years-\$38,750; 2. \$15,000 award for 10 years-\$116,000; 3. \$30,000 award for 10 years-\$231,750; 2. \$50,000 award for 10 years-\$386,250
    - ii. Multiple phone and email contacts with all current sponsors plus Stryker
    - iii. Secured 3 year commitment from DePuy; have 3 year Medtronic and Synthes ongoing
    - iv. Responses as following:

**From:** Wagner.Nancy@synthes.com [mailto:Wagner.Nancy@synthes.com]

**Sent:** Monday, December 28, 2009 2:06 PM

**To:** Wang, Marjorie

**Subject:** RE: AANS/CNS Section on Disorders of the Spine and Peripheral Nerves

Dear Marjorie,

Unfortunately, we are not able to make multiple year commitments. Due to our new corporate compliance policies all funding request must be submitted and reviewed on a yearly basis. In order for Synthes to consider funding the Cahill Award for 2010 you will need to complete an application. All applications will be submitted to our compliance committee for consideration.

We will be implementing an online application system by the end of the first quarter of 2010. If you wish to apply before that time please let me know and I will send you an application.

Sincerely,  
Nancy

Nancy Wagner  
Director, Professional Relations  
Synthes Spine  
1302 Wrights Lane East  
West Chester, PA 19380  
Ph: 610.719.5270  
Fax: 610.719.5100



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

## **Guidelines Committee Report**

**February 2010**

### **1. CSM Guidelines**

- a. To be published on NGC Website

### **2. Update of Lumbar Fusion Guidelines**

- a. Evidentiary tables to be completed - March 2010
- b. Secondary review/initial drafts completed - May 2010
- c. Anticipated submission to JGC - Summer 2010

### **3. Metastatic Spine Guidelines**

- a. Majority of drafts near completion
- b. Anticipate submission at AANS JGC meeting

### **4. Thoracolumbar Trauma Guidelines**

- a. Completion of evidentiary tables – Spring 2010
- b. Second meeting - Spring 2010
  - i. Formulate recommendations and review initial drafts
- c. To discuss further funding with Trauma Section

### **5. Cervical Spine Trauma Guidelines**

- a. Mark Hadley/Beverly Walters
- b. Initiate update in 2010

Respectfully submitted,

Mike Kaiser, MD  
New York, NY

**Outcomes Committee Report**  
**Spine Section Executive Committee Meeting**  
**Wednesday, February 17th, 2010, 8 pm – 1 pm**  
**Orlando, Florida**

Committee Members:

Zoher Ghogawala [zoher.ghogawala@yale.edu](mailto:zoher.ghogawala@yale.edu)  
Subu Magge [subu.n.magge@lahey.org](mailto:subu.n.magge@lahey.org)  
John O'Toole [John\\_Otoole@rush.edu](mailto:John_Otoole@rush.edu)  
Jean Coumans [jcoumans@partners.org](mailto:jcoumans@partners.org)  
Maxwell Boakye [mboakye@stanford.edu](mailto:mboakye@stanford.edu)

Eblast sent out for clinical trials award 2010  
Check (\$25,000) for Dr Marjorie Wang mailed January 1, 2010

**A. NEUROPOINT-SD**

A grant proposal was prepared to collect 200 patients using the NPA to establish a cooperative research group that demonstrates at least 80% compliance in collecting 1 year outcomes data for the surgical treatment of lumbar disc herniation and for the grade I spondylolisthesis. The secondary aim of the grant proposal is to demonstrate the clinical effectiveness for the surgical treatment of two common spinal disorders: lumbar discectomy and lumbar spinal fusion.

Design – Prospective outcomes study – 200 patients (10 centers)  
Outcome – SF-12, VAS, ODI (pre-op, 1,3,6,12 months)

**B. Clinical Trials Proposal Awards \$ 500**

1. We received 5 clinical trial proposals from 5 different institutions that met all the requirements. All competitive trial proposals were reviewed by at least 2 reviewers from the committee and NIH scoring criteria were followed. Proposals were reviewed according to:
  - a) significance
  - b) design and approach
  - c) innovation
  - d) overall potential to have impact on clinical care

The scores of both reviewers were averaged.

**B. Clinical Trials Award – \$ 50,000**

1. The Outcomes will review all three revised clinical trial proposals and scored each of them. Revised proposals are due April 15, 2010. All proposals will be reviewed by 3 separate reviewers and the score averaged.

The three top proposals were:

Basheal Agrawal, MD (resident) – Daniel Resnick (faculty sponsor)

Medical College of Wisconsin (institution)

“Development of a web-based registry for evaluating the comparative effectiveness of various treatments for low back pain in the Wisconsin population”

Design: Prospective Single Center Study to evaluate feasibility of comparative effectiveness study

Outcome: Oswestry (ODI), Visual Analog Scale (VAS).

Scientific Principle – Development of a prospective outcomes database platform for measuring spine outcomes is feasible

Erica Bisson, MD (faculty)

University of Utah (institution)

“Investigation of the Impact of sustained sitting versus walking on nutrient diffusion in the lumbar intervertebral disc.”

Design – Prospective cohort study, 20 patients

Outcome – Signal Intensity Ratios (measure of nutrient diffusion) for lumbar discs, VAS, SF36

Scientific Principle – Decreased nutrient diffusion may lead to disc degeneration.

Parry Dhaliwal, MD (resident) M. Sarah Rose, PhD (faculty biostatistician)

University of Calgary (institution)

“The use of intrathecal morphine in the management of acute pain following decompressive lumbar spinal surgery: a randomized controlled trial”

Design: RCT, 150 pts

Outcome: 30% difference in VAS, Length of Hospital Stay

Scientific Principle – Intrathecal morphine might reduce pain after lumbar surgery.

The award will be given in 2 parts: \$ 25,000 initially once a satisfactory letter from Dr Wang’s biostatistician has been received. The second \$ 25,000 will be awarded once a progress report has been received summarizing progress on each of the specific aims listed in the grant proposal. The second \$ 25,000 will be awarded only if 50% of the proposal accrual has been reached.

2. We have \$ 50,000 dollars to support 1 more award over the next 1 year.
3. We are awaiting a progress report from our first Clinical Trials Award Winner:

Khalid Abbed, MD, Yale University, Assistant Professor

Proposal: To compare minimally invasive T-LIF versus open T-LIF for grade I spondylolisthesis with symptomatic spinal stenosis.

Design: pilot study - 100 pts, 3 sites, non-randomized.

Outcome Instruments: SF-36 PCS and ODI

## C. Spine Section Web Site

In addition, we are keeping the section website current with a section on all active clinical trials registered with the NIH site [clinicaltrials.gov](http://clinicaltrials.gov) that relate to spinal diseases. There are currently 96 clinical trials relating to spinal disorders registered with [ClinicalTrials.gov](http://ClinicalTrials.gov) – all are listed on our section website. This is up 71% from last year.

Appendix – E-blast (to be sent out by AANS in Nov, 2009)

### **2009 AANS/ CNS Spine Section Clinical Trial Awards**

Spine Clinical Trial Proposal - \$ 500

Spine Clinical Fellowship Award - \$ 50,000

The AANS/CNS Spine Section is pleased to announce the continuation of a clinical trials fellowship award to promote well-designed neurosurgical clinical research. Neurosurgical residents/ fellows/clinical instructors/ and assistant professors are eligible to apply for the Clinical Trial Proposal. Applications for the Clinical Fellowship Award will only be accepted from junior faculty members of an accredited neurosurgical department. The objective of this award is to create an infrastructure necessary for executing well-designed multi-center studies, to promote the advancement of evidence-based neurosurgical practices, with an emphasis on spine. **DEADLINE FOR SUBMISSION is January 1, 2010.** The application process can be found on the section website and is summarized below:

#### Step 1. Clinical Trials Proposal Award - \$ 500

This award would be presented annually by the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves to no more than three neurosurgical residents or BC/BE neurosurgeons/ fellows in North America who submit an outstanding clinical trials proposal (5 pages maximum) that demonstrates clinical relevance, sound methodological design, and feasibility. Preference would be given to a team that designs a multi-center trial. Winners would be given an honorarium of \$ 500 plus reimbursement to attend the annual AANS/CNS Spine Section Meeting (presenter only).

#### Step 2. Clinical Trials Fellowship Award - \$ 50,000

All submitted proposals sponsored by junior faculty will be considered for the Clinical Trials Fellowship Award. Those individuals whose proposals are meritorious would be formally critiqued by the Joint Section Outcomes Committee and invited to submit a revised proposal for the one year \$ 50,000 Clinical Trials Fellowship Award. This grant is intended to support a pilot study based on the submitted proposal. The recipient will

receive \$ 25,000 at the onset of the research project. Involvement of an independent biostatistician for epidemiological support is required. A written progress report within 6 months of receiving the award, including a comprehensive data analysis submitted by the biostatistician, is mandatory. In general, the progress report should contain evidence for enrollment of 50% of the accrual goal. Satisfactory completion of the progress report is required in order to receive the second allotment of \$ 25,000.

**From:** "AANS\_CNS\_Section\_Announcement@neurosurgery.org" <AANS\_CNS\_Section\_Announcement@neurosurgery.org>  
**Subject:** **Announcing the 2010 Spine Clinical Trial Awards**  
**Date:** November 2, 2009 5:16:37 PM EST  
**To:** "Groff,Michael (HMFP - Neurosurgery)" <mgroff@bidmc.harvard.edu>

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

**November 2, 2009**

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### 2010 AANS/CNS Spine Section Clinical Trial Awards

Spine Clinical Trial Proposal — \$ 500  
Spine Clinical Fellowship Award — \$ 50,000

The AANS/CNS Spine Section is pleased to announce the continuation of a clinical trials fellowship award to promote well-designed neurosurgical clinical research. Neurosurgical residents, fellows, clinical instructors and assistant professors are eligible to apply for the Clinical Trial Proposal. Applications for the Clinical Fellowship Award will only be accepted from junior faculty members of an accredited neurosurgical department. The objective of this award is to create an infrastructure necessary for executing well-designed multi-center studies, to promote the advancement of evidence-based neurosurgical practices, with an emphasis on spine.

DEADLINE FOR SUBMISSION: January 1, 2010

The application process can be found on the Section Web site (<http://www.spinesection.org>) and is summarized below:

#### Step 1. — Clinical Trials Proposal Award - \$ 500

This award will be presented annually by the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves to no more than three neurosurgical residents or BC/BE neurosurgeons/fellows in North America who submit an outstanding clinical trials proposal (5 pages maximum) that demonstrates clinical relevance, sound methodological design, and feasibility. Preference will be given to a team that designs a multi-center trial. Winners will be given an honorarium of \$ 500 plus reimbursement to attend the annual AANS/CNS Spine Section Meeting (presenter only).

#### Step 2. — Clinical Trials Fellowship Award - \$ 50,000

All submitted proposals sponsored by junior faculty will be considered for the Clinical Trials Fellowship Award. Those individuals whose proposals are meritorious will be formally critiqued by the Joint Section Outcomes Committee and invited to submit a revised proposal for the one year

\$ 50,000 Clinical Trials Fellowship Award. This grant is intended to support a pilot study based on the submitted proposal. The recipient will receive \$ 25,000 at the onset of the research project. Involvement of an independent biostatistician for epidemiological support is required. A written progress report within 6 months of receiving the award, including a comprehensive data analysis submitted by the biostatistician, is mandatory. In general, the progress report should contain evidence for enrollment of 50 percent of the accrual goal. Satisfactory completion of the progress report is required in order to receive the second allotment of \$ 25,000.

Z. Ghogawala, MD  
Chair, Outcomes Committee  
AANS/CNS Spine Section

All questions and submissions should be sent directly to Zoher Ghogawala, MD, at [zoher.ghogawala@yale.edu](mailto:zoher.ghogawala@yale.edu).

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(888) 566-2267 or (847) 378-0500

123100

**From:** "zg24@email.med.yale.edu" <zg24@email.med.yale.edu>  
**Subject:** **RE: Award Presentation Discussants**  
**Date:** February 2, 2010 12:10:25 AM EST  
**To:** "Shaffrey, Chris I \*HS" <CIS8Z@hscmail.mcc.virginia.edu>  
**Cc:** "Resnick (Daniel)" <resnick@neurosurg.wisc.edu>, "vmum@aol.com" <vmum@aol.com>, "mwang@mcw.edu" <mwang@mcw.edu>, Regina Cns contact <rns@1CNS.ORG>, Peter Gerszten <gerspc@UPMC.EDU>, Adam S Kanter <kanteras@UPMC.EDU>, Shaffrey <cis8z@virginia.edu>, "Groff,Michael (HMFP - Neurosugery)" <mgroff@bidmc.harvard.edu>, Daryl Fourney <Daryl.Fourney@saskatoonhealthregion.ca>, Ziya <ZGOKASL1@JHMI.EDU>

---

Hi,

I agree with all points. I'll have the exact dates for all of us to discuss at the EC, but as Dan points out, there are often unique aspects that come up that can delay things. In this case, the AANS did not delay things - Dr Wang's proposal was officially the winner on Dec 1, 2009 and she received funding by Janary 1, 2010.

Timeline for 2009 clinical trial award selection:

Dec 1, 2008 - Applications due  
January 15th - Reviews completed (at least 3 per proposal)  
March, 2009 - 3 proposal winners announced at Section meeting

All 3 proposal winners given the reviewers' comments and asked to resubmit proposal by April 15th

April 15th - Resubmissions were then reviewed again by reviewer, but all had a review by Kaiser and Ghogawala to help standardize the review.

July 1 - Priority Scores for the 3 top proposals were very close and one proposal did not emerge as clearly superior to the others. I asked for each reviewer to rank the proposals again over the summer and Mike and I ultimately discussed which proposal had the greatest feasibility and selected Marjorie Wang's as the winner.

Sept 22 - I informed Marjorie that her proposal was the Clinical Trials Award Winner. I asked for a formal letter from her biostatistician to document that the sample size estimates had been confirmed by an independent expert.

October 7 - I receive a letter from Marjorie's Biostatistician.

Dr Wang requested a change in the budget and sent us a revised budget after getting approval from her institution.

December 1 - I sent Dr wang a letter of congratulations that her proposal was officially the winner and asked that the first installment of 25K be sent to her institution by January 1, 2010.

January 1, 2010 - 25K funding was sent to Dr Wang.

I'll make all this information available and would be happy to discuss how we on the EC evaluate the progress of a young clinical trials investigator and when they should be expected to provide results. We do already have a plan for a mandatory progress report that is due 6 months after the funding has arrived.

Hope this helps.

Zo

Quoting "Shaffrey, Chris I \*HS" <CIS8Z@hscmail.mcc.virginia.edu>:

Should be discussed at the EC meeting. If there is an expectations for results to be presented in 1 yr, the \$\$ should be made available within a month of the meeting.

Christopher I Shaffrey, MD, FACS  
Harrison Distinguished Professor



Neurological and Orthopaedic Surgery  
University of Virginia  
Phone: (434) 243-9714

---

From: Resnick (Daniel) [resnick@neurosurg.wisc.edu]  
Sent: Monday, February 01, 2010 9:45 AM  
To: vmum@aol.com; Zo; mwang@mcw.edu; Regina Cns contact; Peter Gerszten; Adam S Kanter  
Cc: Shaffrey; Groff; Daryl Fourney; Ziya  
Subject: RE: Award Presentation Discussants

we'll need to examine a couple of the practical issues involved here- 1) can we provide funds in a more timely manner to the award recipients (Zo should give us a timeline of when the decision to fund the project was approved and we should review how this information eventually got to the AANS and then how long it took to disburse the money- from personal experience, there are often institutional hurdles at both ends that can delay things- indirect costs, administrative hassles), 2) Is it realistic to expect any progress in less than a year from any outcomes project- maybe the presentation timeline should be lengthened to 2 years?

Should be a productive discussion in Orlando- this is a new initiative and there are certainly going to be bumps in the road  
Daniel K. Resnick MD, MS  
Associate Professor and Vice Chairman  
Department of Neurological Surgery  
University of Wisconsin, Madison  
Treasurer, Congress of Neurological Surgeons  
Past Chair, AANS/CNS Joint Section on Disorders of the Spine

---

From: vmum@aol.com [vmum@aol.com]  
Sent: Monday, February 01, 2010 8:31 AM  
To: Zo; mwang@mcw.edu; Regina Cns contact; Peter Gerszten; Adam S Kanter  
Cc: Resnick (Daniel); Shaffrey; Groff; Daryl Fourney; Ziya  
Subject: Fw: Award Presentation Discussants

Zo.

I thought marjorie won the spine section clinical trials award in 2009?

At last yrs exec cmte mtg we discussed that half the award money should be given up front and the other part after the project was publishable.

Seems marjorie did not get award money until few wks ago and has not done any work on her project?

Pls fill me in on what the status of her award is. Did we not stick with the exec cmte discussed plan from 2009? Why was there such a delay in her getting the award money?

I had held a slot for her to show her work during the awards session. What should I do with that slot? Do we need to give the timeslot to the 2008 clinical trials award winner? Who was that person?

Groff, pls put this on the agenda for exec cmte mtg this year for discussion of what our expectations are for the clinical trials award winner and when it is they receive their funds.

Tks.

Praveen  
Sent from my Verizon Wireless BlackBerry

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

From: vmum@aol.com  
Date: Mon, 1 Feb 2010 07:57:43  
To: Wang, Marjorie<mwang@mcw.edu>  
Subject: Re: Award Presentation Discussants

Pls ask zo.  
Then let me know.  
Sent from my Verizon Wireless BlackBerry

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

From: "Wang, Marjorie" <mwang@mcw.edu>  
Date: Mon, 1 Feb 2010 01:07:20  
To: vmum@aol.com<vmum@aol.com>  
Subject: Re: Award Presentation Discussants

I received the award Jan 2010 so we are just beginning the study.  
What would you like us to do? I am not sure who won last year's award.

On Jan 31, 2010, at 5:56 PM, I "vmum@aol.com" <vmum@aol.com wrote:

Marjorie. We wanted you to discuss the work you did over the past year after you won last year's award.

Regina, pls send marjorie a copy of the awards session lineup and cc me.  
Then we can all be on same pg.

Tks. Pm

Sent from my Verizon Wireless BlackBerry

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

From: "Wang, Marjorie" <mwang@mcw.edu>  
Date: Sun, 31 Jan 2010 21:36:02  
To: vmum@aol.com<vmum@aol.com>  
Subject: FW: Re: Award Presentation Discussants

Hi, I wanted to clarify the discussant topics and times below.

I got the abstract for the bmp paper--do you want me to discuss this on Sat?

Also, Zo asked me to do a presentation on the diffusion tensor clinical trial proposal, but there is no paper/data as we just got the funding 1/1.

Is there another diffusion tensor paper? Shekar Kurpad has one I think.

Could you clarify?

thanks,  
Marjorie

----- Forwarded message from vmum@aol.com -----

Date: Tue, 15 Dec 2009 15:50:03 +0000  
From: vmum@aol.com  
Reply-To: vmum@aol.com  
Subject: Re: Award Presentation Discussants  
To: "Maxine S. Prange" <msep@1CNS.ORG>

Saturday feb 20: awards session discussants at spine section:

Discussant for bmp paper - nick theodore from bni, if he is not available then the backup person is rod oskuian from seattle

Discussant for mri diffusion tensor imaging paper - zoher ghogawala

Discussant for peripheral nerve paper - adam kanter, if he does not want to do it then the backup person is jeff elias from uva.

Discussant for spinal cord paper - peter gerszten. If he does not

want to do it  
then the backup person is daniel lu from semmes murphy.

All, the exact titles of the talks are below. Discussants should  
prepare slides  
for a quick 2-3 min review of the talk.

Tks.  
Pm

Sent from my Verizon Wireless BlackBerry

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

From: "Maxine S. Prange" <mmp@1CNS.ORG>

Date: Mon, 14 Dec 2009 14:22:45

To: <vmum@aol.com>

Cc: Regina N. Shupak<rns@1CNS.ORG>; Jennifer S. Thompson<jst@1CNS.ORG>

Subject: Award Presentation Discussants

Dear Dr. Mummaneni:

Here is the information you requested on the award presentations.  
Please let me know your discussant assignments so we can add them to  
the  
program book. Thank you.

12:05 - 12:30 PM

Sebastian Ballroom L

Mayfield Awards/Presentations

Moderators: Adam S. Kanter, Peter C. Gerszten

Discussants: Adam S. Kanter, Peter C. Gerszten, Marjorie C. Wang

12:05 - 12:13 PM

Mayfield Basic Science Award

Role of the Direct and Indirect Pathways in Nerve Allograft Rejection

Wilson Zachary Ray; Rahul B.A. Kaskurthi; Santosh Kale; Thalachallour  
Mohanakumar; Dan Hunter; Thomas H. Tung; Susan E. Mackinnon

12:13 PM - 12:15 PM

Discussant: TBD

12:15 - 12:23 PM

Mayfield Clinical Science Award

Spinal Accessory and Intercostal Nerves to Bypass Spinal Cord Injury

Raqeeb M. Haque; Michael Kellner; Martin Bauknight; Christopher P.  
Kellner; Kurenai Tanji; John H. Martin; Christopher J. Winfree

12:23 PM - 12:25 PM

Discussant: TBD

12:25 - 12:33 PM

Outcomes Committee Award

Multilevel ACDF with and without BMP: A Comparison of Outcomes and Dysphagia Rates in 150 Patients

Daniel C. Lu; Dean Chou; Gerald E. Rodts, Jr.; Praveen V. Mummaneni

12:33 PM - 12:35 PM

Discussant: TBD

12:35 PM - 12:42 PM

Award Presentations

12:42 PM - 12:45 PM

Clinical Trials Award

Cervical Spondylotic Myelopathy: Can Outcome Be Predicted by Diffusion Tensor Imaging?

Marjorie C. Wang

Maxine S. Prange

Meeting and Education Services Coordinator

Congress of Neurological Surgeons

10 North Martingale Road, Suite 190

Schaumburg, IL 60173

Phone: 847 240 2500

Fax: 847 240 0804

Mail to: [mshp@1cns.org](mailto:mshp@1cns.org)

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

From: vmum@aol.com [mailto:vmum@aol.com]  
Sent: Friday, December 11, 2009 8:06 AM  
To: Maxine S. Prange  
Cc: matzpg@yahoo.com; Laurie L. Behncke; Regina N. Shupak; Jennifer S. Thompson  
Subject: Re: Scientific Program Update

maxine,

yes, dr wu's suggestions are fine for the taiwanese session.

yes, dr heary is excellent for dr haid's course instead of sonntag.

to replace dr roeser, lets ask dr wale sulaiman from tulane

his email is oarsulaiman@hotmail.com

for the awards session, pls email the talk titles and i will assign the

discussants. (i think my options are kanter, gerszten and wang)

tk

praveen

Praveen V. Mummaneni, M.D.

Associate Professor

Dept. of Neurosurgery

Co-Director: UCSF Spine Center

University of California, San Francisco

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

From: Maxine S. Prange <msp@1CNS.ORG>

To: vmum@aol.com

Cc: matzpg@yahoo.com; Laurie L. Behncke <lb@1CNS.ORG>; Regina N.

Shupak <rns@1CNS.ORG>; Jennifer S. Thompson <jst@1CNS.ORG>

Sent: Thu, Dec 10, 2009 2:51 pm

Subject: Scientific Program Update

Dear Dr. Mummaneni:

Attached is the latest version of the Scientific Program. These  
issues

are unresolved:

As you know, several of the Taiwanese faculty will not be attending  
the

meeting and Dr. Wu has suggested the following replacements for  
Special

Course VII:

Jui-Feng Lin to act as Moderator for the 2:45 presentation

Ming-Yang Lee as the 3:45 speaker

Please let me know if these substitutions are okay. (I will need to get Dr. Lin's email from Dr. Lu in order to invite him.)

Special Course II - Dr. Sonntag has declined and Dr. Haid has requested

Dr. Heary as a replacement. Please let me know if it's okay to invite him.

Special Course V - I will wait for your suggestion on who to invite in place of Dr. Roeser.

I have not yet received the discussant assignments for the award session.

Please let me know if you have any questions. Thank you.

Maxine S. Prange

Meeting and Education Services Coordinator

Congress of Neurological Surgeons

10 North Martingale Road, Suite 190

Schaumburg, IL 60173

Phone: 847 240 2500

Fax: 847 240 0804

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----- End forwarded message -----



In 2009, the AANS message reached an estimated audience of 4.02 billion people.

Looking back just four years, this represents an increase of nearly 600 percent in AANS media reach. The annual meeting continues to be a big contributor to this, but other areas that have shown growth include the *Journal of Neurosurgery*, Advocacy/Washington Office, injury prevention, and references/links to AANS Conditions & Treatments topics.

Few examples from 2009 Annual Meeting

Chen/Metastatic Spine Tumors	21,175,594 (circulation)
Fehling/CSM	4,359,753

Public Awareness Releases

Winter Sports Head/Neck injury prevention	542,922
Spring Outdoor injury	234,281,983
Football injury prevention	22,241,413

### Journal Press Pick up

#### JNS: Spine

Vertebral Screws MaxPress Loja, Brazil January 23, 2009  
Magnesium for SCI Modern Medicine New York, NY 151,590 April 14, 2009  
Neurology Briefing Modern Medicine New York, NY 151,590 May 1, 2009  
Surgery Briefing Modern Medicine New York, NY 151,590 May 1, 2009  
Emergency Medicine Briefing Modern Medicine New York, NY 151,590 May 1, 2009  
Orthopedics Briefing Modern Medicine New York, NY 151,590 June 1, 2009  
Surgery Briefing Modern Medicine New York, NY 151,590 June 1, 2009  
Emergency Medicine Briefing Modern Medicine New York, NY 151,590 June 1, 2009  
Minimally Invasive Spine MedCompare South San Francisco, CA June 1, 2009  
Minimally Invasive Spine MedicalNewsToday.com Bexhill-on-Sea, United Kingdom 2,000,000 June 1, 2009  
Minimally Invasive Spine BrightSurf.com June 1, 2009  
Oligodendroglioma NewsRx Atlanta, GA 84,712 July 12, 2009  
X-STOP® IPD Procedure Louisiana Medical News Lafayette, LA 13,600 July 31, 2009  
Obesity/Alzheimer's eMaxHealth.com Hickory, NC 129,463 August 26, 2009  
**Total Circulation: 3,288,905**

#### JNS: Spine Air Bags/Seat Belts

JNS: Spine Air Bags/Seat Belts NewsBlaze Folsom, CA 262,632 January 22, 2009  
JNS: Spine Air Bags/Seat Belts MedPageToday.com Little Falls, NJ 206,481 January 23, 2009  
JNS: Spine Air Bags/Seat Belts Occupational Health & Safety Dallas, TX 84,136 January 23, 2009  
JNS: Spine Air Bags/Seat Belts Interest!Alert Folsom, CA 74,442 January 23, 2009  
JNS: Spine Air Bags/Seat Belts Physician's Briefing Norwalk, CT 2,500,000 January 23, 2009  
JNS: Spine Air Bags/Seat Belts SpineUniverse.com Wheaton, IL 468,100 January 23, 2009  
JNS: Spine Air Bags/Seat Belts Modern Medicine New York, NY 151,590 January 24, 2009  
JNS: Spine Air Bags/Seat Belts MedicalNewsToday.com Bexhill-on-Sea, United Kingdom 2,000,000

January 24, 2009

JNS: Spine Air Bags/Seat Belts ScienceDaily.com Rockville, MD 4,500,000 January 24, 2009  
JNS: Spine Air Bags/Seat Belts ReachMD Northbrook, IL 400,000 January 24, 2009  
JNS: Spine Air Bags/Seat Belts Wellsphere San Mateo, CA 2,291,004 January 25, 2009  
JNS: Spine Air Bags/Seat Belts KnoxvilleTimes.com Sydney, Australia January 25, 2009  
JNS: Spine Air Bags/Seat Belts Zimbabwe Star Sydney, Australia January 25, 2009  
JNS: Spine Air Bags/Seat Belts IrishSun.com Sydney, Australia January 25, 2009  
JNS: Spine Air Bags/Seat Belts Impact Lab Louisville, CO January 25, 2009  
JNS: Spine Air Bags/Seat Belts Cambodian Times Sydney, Australia January 25, 2009  
JNS: Spine Air Bags/Seat Belts sMashHits.com India January 25, 2009  
JNS: Spine Air Bags/Seat Belts NetIndia123.com India 39,775 January 25, 2009  
JNS: Spine Air Bags/Seat Belts DailyIndia.com Jacksonville, FL 150,000 January 25, 2009  
JNS: Spine Air Bags/Seat Belts SindhToday.net Pakistan January 25, 2009  
JNS: Spine Air Bags/Seat Belts NewKerala.com Singapore January 25, 2009  
JNS: Spine Air Bags/Seat Belts WebIndia123.com Kerala, India January 25, 2009  
JNS: Spine Air Bags/Seat Belts Yahoo!News India India January 25, 2009  
JNS: Spine Air Bags/Seat Belts NewsTrack India Delhi, India January 25, 2009  
JNS: Spine Air Bags/Seat Belts Mangalorean.com India January 25, 2009  
JNS: Spine Air Bags/Seat Belts IndiaEnews.com Gurgaon, India January 25, 2009  
JNS: Spine Air Bags/Seat Belts bizCommunity.com Johannesburg, S. Africa 2,600 January 26, 2009  
JNS: Spine Air Bags/Seat Belts Huliq.com Hickory, NC 167,320 January 26, 2009  
JNS: Spine Air Bags/Seat Belts USAToday.com McLean, VA 9,461,451 January 26, 2009  
JNS: Spine Air Bags/Seat Belts InsiderMedicine Kingston, ON January 27, 2009  
JNS: Spine Air Bags/Seat Belts DayLife.com New York, NY 1,000,000 January 27, 2009  
JNS: Spine Air Bags/Seat Belts Industrial Safety & Hygiene News Troy, MI 71,400 January 28, 2009  
JNS: Spine Air Bags/Seat Belts HealthDay.com Norwalk, CT 3,000,000 February 5, 2009  
JNS: Spine Air Bags/Seat Belts HealthScout.com Norwalk, CT 1,200,000 February 5, 2009  
JNS: Spine Air Bags/Seat Belts HealthCentral.com Arlington, VA 1,324,037 February 5, 2009  
JNS: Spine Air Bags/Seat Belts US News & World Report New York, NY 2,034,848 February 5, 2009  
JNS: Spine Air Bags/Seat Belts BusinessWeek.com New York, NY 3,149,843 February 5, 2009  
JNS: Spine Air Bags/Seat Belts JournalNews.com Hamilton, OH 31,249 February 5, 2009  
JNS: Spine Air Bags/Seat Belts The Daily Sentinel Grand Junction, CO 202,309 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Springfield News-Sun Springfield, OH 71,082 February 5, 2009  
JNS: Spine Air Bags/Seat Belts DailyAdvance.com Elizabeth City, NC 16,626 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Reflector.com Greenville, SC 135,677 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WacoTrib.com Waco, TX 239,966 February 5, 2009  
JNS: Spine Air Bags/Seat Belts LufkinDailyNews.com Lufkin, TX 36,884 February 5, 2009  
JNS: Spine Air Bags/Seat Belts MSN.com Redmond, WA 78,353,086 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Yahoo!News Santa Monica, CA 37,902,000 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Forbes.com New York, NY 8,079,158 February 5, 2009  
JNS: Spine Air Bags/Seat Belts MEDLINEPlus Bethesda, MD 243,981 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Discovery Health Silver Spring, MD 1,243,144 February 5, 2009  
JNS: Spine Air Bags/Seat Belts RealAge San Diego, CA 1,311,355 February 5, 2009  
JNS: Spine Air Bags/Seat Belts Austin360.com Austin, TX 268,754 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WomensHealth.gov Washington, DC 57,351 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts WFMJ-TV Youngstown, OH February 5, 2009  
JNS: Spine Air Bags/Seat Belts Lex18.com Lexington, KY 47,169 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WRBCTV.com Chattanooga, TN 74,505 February 5, 2009

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JNS: Spine Air Bags/Seat Belts CBS 6 WTVR.com Richmond, VA 84,137 February 5, 2009  
JNS: Spine Air Bags/Seat Belts KOAM-TV Pittsburg, KS February 5, 2009  
JNS: Spine Air Bags/Seat Belts 9KTRE.com Pollok, TX 30,039 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts WOI-TV.com West Des Moines, IA 91,774 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts Fox 12 KTRV Nampa, ID 8,494 February 5, 2009  
JNS: Spine Air Bags/Seat Belts KLFY Online Lafayette, LA 55,665 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WDBJ7.com Roanoke, VA 160,211 February 5, 2009  
JNS: Spine Air Bags/Seat Belts KVOA.com Tucson, AZ 169,894 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WBAY Green Bay, WI 158,383 February 5, 2009  
JNS: Spine Air Bags/Seat Belts KJCT News 8 Grand Junction, CO 11,311 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts 14WFIE.com Evansville, IN 190,217 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts 19ActionNews.com Cleveland, OH 45,064 February 5, 2009  
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JNS: Spine Air Bags/Seat Belts WAFB.com Baton Rouge, LA 83,245 February 5, 2009  
JNS: Spine Air Bags/Seat Belts KPTM Fox 42 Omaha, NE 19,116 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WREX.com Rockford, IL 35,968 February 5, 2009  
JNS: Spine Air Bags/Seat Belts WVVA-TV Bluefield, WV February 5, 2009  
JNS: Spine Air Bags/Seat Belts KOMONEWS.com Seattle, WA 4,874,060 February 6, 2009  
JNS: Spine Air Bags/Seat Belts News 4 Reno, NV 68,754 February 6, 2009  
JNS: Spine Air Bags/Seat Belts News 3 Las Vegas, NV 281,815 February 6, 2009  
JNS: Spine Air Bags/Seat Belts WXOW ABC 19 La Crescent, MN 11,681 February 6, 2009  
JNS: Spine Air Bags/Seat Belts 7KLTV Tyler, TX 131,890 February 6, 2009  
JNS: Spine Air Bags/Seat Belts Fox 41 WDRB Louisville, KY 28,513 February 6, 2009  
JNS: Spine Air Bags/Seat Belts 7 News Lawton, OK 24,084 February 6, 2009  
JNS: Spine Air Bags/Seat Belts Eyewitness News 12 Wichita, KS 38,872 February 6, 2009  
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JNS: Spine Air Bags/Seat Belts MontanaNewsStation.com Missoula, MT 151,180 February 6, 2009  
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JNS: Spine Air Bags/Seat Belts KPSPLocal2.com Thousand Palms, CA 8,191 February 6, 2009  
JNS: Spine Air Bags/Seat Belts WXVT 15 Greenville, MS 9,703 February 6, 2009  
JNS: Spine Air Bags/Seat Belts WALB News 10 Albany, GA 120,729 February 6, 2009  
JNS: Spine Air Bags/Seat Belts NewsWest9.com Midland, TX 7,218 February 6, 2009  
JNS: Spine Air Bags/Seat Belts WLOX.com Biloxi, MS 144,499 February 6, 2009  
JNS: Spine Air Bags/Seat Belts CBS 19 Tyler, TX 20,062 February 6, 2009  
JNS: Spine Air Bags/Seat Belts News 10 Albany, NY 73,814 February 6, 2009  
JNS: Spine Air Bags/Seat Belts WECT 6 Wilmington, NC 63,954 February 6, 2009  
JNS: Spine Air Bags/Seat Belts KTVZ.com Bend, OR 117,619 February 6, 2009  
JNS: Spine Air Bags/Seat Belts KCAUTV.com Sioux City, IA 23,251 February 6, 2009  
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JNS: Spine Air Bags/Seat Belts MySunCoast.com Sarasota, FL 23,205 February 6, 2009  
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JNS: Spine Air Bags/Seat Belts KNDO/KNDU Right Now Kennewick, WA 23,936 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts LocalNews8.com Idaho Falls, ID 199,890 February 6, 2009  
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 JNS: Spine Air Bags/Seat Belts WLBT 3 Jackson, MS 57,769 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts WTVM.com Columbus, GA 65,735 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts WTHR.com Indianapolis, IN 410,488 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts Fox 29 West Palm Beach, FL 31,379 February 6, 2009  
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 JNS: Spine Air Bags/Seat Belts WAFF48NEWS Huntsville, AL 92,766 February 6, 2009  
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 JNS: Spine Air Bags/Seat Belts Fox 4-17 Axtell, NE 182,264 February 6, 2009  
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 JNS: Spine Air Bags/Seat Belts KESQ.com Palm Desert, CA 173,610 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts LasVegasNow.com Las Vegas, NV 130,249 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts NewsChannel4 Oklahoma City, OK 175,617 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts 13 Action News Las Vegas, NV 50,665 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts KAIT 8 Jonesboro, AR 68,200 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts Fox 43 Knoxville, TN 5,551 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts NewsChannel 10 Amarillo, TX 13,736 February 6, 2009  
 JNS: Spine Air Bags/Seat Belts Entertainment&ShowBiz Faizabad, India February 7, 2009  
 JNS: Spine Air Bags/Seat Belts TheraTimes Tehran, Iran 300,000 February 7, 2009  
**Total Circulation: 182,112,068**

#### **Spine Conditions/Surgery**

Spinal Fusion Atlanta Journal-Constitution Atlanta, GA 2,014,553 January 20, 2009  
 Lumbar Spinal Stenosis News-Press.com Fort Myers, FL 165,028 March 24, 2009  
 Image-Guided Spinal Navigation News 8 Austin Austin, TX 165,266 April 8, 2009  
 Image-Guided Spinal Navigation WPTV.com West Palm Beach, FL 177,697 April 8, 2009  
 Image-Guided Spinal Navigation TheDenverChannel.com Denver, CO 957,756 April 21, 2009  
 Image-Guided Spinal Navigation WFTV.com Orlando, FL 1,117,216 May 7, 2009  
 Image-Guided Spinal Navigation KRCG-TV New Bloomfield, MO May 15, 2009  
 Low Back Pain AARP The Magazine (July/August) Washington, DC 24,349,637 May 22, 2009  
 Artificial Lumbar Disc Suite101 Vancouver, BC 15,000,000 June 30, 2009

Significant PR effort. Much has represented spine surgery.

Current Proposed Project: Profile of Spine Surgeons surviving in Haiti or helping Haitians here in the states. I have been in contact with Betsie Van Die, Suzzane Hartman, and Gail Rousea for this article. We have identified neurosurgeons involved and are looking for to move forward. Sanjay Gupta

Barth Green

John Ragheb

Monica Wehby

Sam Critides

## Membership committee

1. Develop list of people interested in being involved in leadership of Spine Section.

*Preliminary list:*

*Eric Nottmeier (Mayo Jacksonville)*

*Tyler Koski (Northwestern)*

*John O'Toole (Rush)*

*Fred Ogden (Columbia)*

*Chris Mandigo (Columbia)*

*Naresh Patel (Mayo Scottsdale)*

*Please send other names to me: pda9@columbia.edu*

2. Orthopaedic surgeons get 1-year adjunct membership if they register for meeting

*There are two options for how to implement this:*

- a. They can be told when they register that they can receive a free one-year membership in the Spine Section but they would need to apply online at myaans.org.*
- b. The CNS can send Sandy Meyer a list of registered orthopedic surgeons and she can create an automatic one-year membership for them*

3. Identify orthopaedic surgeon ambassadors  
*Steve Glassman and Paul Anderson were mentioned as candidates*

4. Consequences of delinquent dues:
  - a. Those who don't pay for 3 years are dropped from membership. This is currently being done.*
  - b. Delinquent members can't register at member rate. According to Sandy Meyer, there is no mechanism or precedent for this.*

**From:** "vmum@aol.com" <vmum@aol.com>  
**Subject:** **nref funding of spine fellowships**  
**Date:** October 24, 2009 6:44:17 PM EDT  
**To:** "cis8z@virginia.edu" <cis8z@virginia.edu>, "zgokasl1@jhmi.edu" <zgokasl1@jhmi.edu>, "pcm6@columbia.edu" <pcm6@columbia.edu>, "trost@neurosurg.wisc.edu" <trost@neurosurg.wisc.edu>, "resnick@neurosurg.wisc.edu" <resnick@neurosurg.wisc.edu>, "Groff,Michael (HMFP - Neurosugery)" <mgroff@bidmc.harvard.edu>, "epotts@ing.md" <epotts@ing.md>, "Joseph.cheng@vanderbilt.edu" <joseph.cheng@vanderbilt.edu>

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Dear all,

the spine section exec cmte understands that most company funded clinical spine fellowships will be replaced by an NREF funding mechanism.

the spine section exec cmte requests that the NREF give priority for funding to the CAST approved neurosurgery spine fellowships (there are approximately 20-25).

greg trost will forward the CAST list which will be updated onto the spine section website and also be available for the NREF.

thank you,  
Praveen

Praveen V. Mummaneni, M.D.  
Associate Professor  
Dept. of Neurosurgery  
Co-Director: UCSF Spine Center  
University of California, San Francisco

**From:** "Shaffrey, Chris I \*HS" <CIS8Z@hscmail.mcc.virginia.edu>  
**Subject:** **RE: Council of Spine Societies (COSS)**  
**Date:** December 12, 2009 8:35:55 AM EST  
**To:** 'Robert Heary' <heary@umdnj.edu>  
**Cc:** "ttippett2@aol.com" <ttippett2@aol.com>, "zgokasl1@jhmi.edu" <zgokasl1@jhmi.edu>, "Groff,Michael (HMFP - Neurosugery)" <mgroff@bidmc.harvard.edu>

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I think this is a great idea and appreciate your initiative on this issue. We should put this on the agenda for the executive committee meeting to discuss. I fully support your efforts in this regard. I think it will help the Section, the AANS and counterbalance some of the efforts by NASS that may not be in the best intrests of surgeons.

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

**From:** Robert Heary [mailto:heary@umdnj.edu]  
**Sent:** Saturday, December 12, 2009 12:22 AM  
**To:** Shaffrey, Chris I \*HS  
**Cc:** ttippett2@aol.com  
**Subject:** RE: Council of Spine Societies (COSS)

chris:

hi, i would like to summarize our recent talk. there is a genuine interest in neurological surgeons and orthopedic surgeons having a common society to address the issues which they both have in common with respect to spinal surgery. due to a lack of meetings, COSS has been ineffectual in being this society at present. numerous discussions with the designated NASS individual responsible for the administrative support of COSS have not lead to meetings being held. as such, my prior recommendation to the AANS board was that the AANS take over the role of organizer of COSS. i completely agree with your thoughts that the upcoming spine section meeting would not provide adequate time for the orthopaedic leaders to attend a meeting.

as COSS has been dormant for nearly 3 years, i think that the next meeting, particularly if organized by the AANS, needs to be well organized and well run. i also agree that the 2011 spine section meeting would be the ideal place for this changing of the guard (turning over organization of COSS from NASS to AANS) to occur. all of the leadership of the various spine societies can be engaged to send representatives to this meeting. giving them 13 months of advanced notice should be plenty of time for anyone interested to attend. you mentioned that this will be discussed at the next spine section executive committee meeting in february, 2010, and that if it is approved, then we can plan on piggy-backing the AANS organized COSS meeting onto the 2011 spine section annual meeting in phoenix. as we discussed, this will need to be run by ziya gokaslan, who will be the section chair at that time, and troy tippett, the current AANS president, and jim rutka, the AANS president-elect.

if all are in agreement, and if the spine section executive committee approves it, my recommendation would be for invitations to be sent to all of the societies in february 2010 for the 2011 COSS meeting. also, this will provide time for possible incorporation of some of the leaders from these other spine societies into the program for the spine section meeting. this could make for a great annual meeting. i have copied troy tippett on this as he has been instrumental in helping to drive this effort and in committing the AANS to advancing neurosurgical treatment of spinal disorders.

I have some ideas on how we should propose re-organizing COSS which i can either write up and provide to you prior to the section executive committee meeting or i could present the ideas to the executive committee on wednesday in orlando. let me know how you would like for this to be handled from the section's standpoint. once again, i appreciate your efforts to attempt to resurrect COSS.

sincerely,  
bob heary