



**Joint CV Section Executive Council Meeting  
 Sunday, April 14, 2019 San Diego Marriott  
 Marquis San Diego, CA**

**Meeting Minutes**

CV Section EC Meeting April 14, 2019 San Diego, CA		
<b>Attendees</b>		
<b>Officers:</b>		
<b>J. Mocco, Chair</b>	<b>Amin-Hanjani, Sepideh</b>	<b>Mascitelli, Justin</b>
<b>Babu Welch, Chair Elect</b>	<b>Arthur, Adam</b>	<b>Mocco, J</b>
<b>Michael Lawton, Vice Chair</b>	<b>Bambakidis, Nicholas</b>	<b>Niemela, Mika</b>
<b>Clemens Schirmer, Secretary</b>	<b>Carlson, Andrew</b>	<b>Nimjee, Shahid</b>
<b>Adnan Siddiqui, Treasurer</b>	<b>Fraser, Justin</b>	<b>Osburn, Josh</b>
	<b>Graffeo, Christopher</b>	<b>Schirmer, Clemens</b>
	<b>Garrett, Karen</b>	<b>Siddiqui, Adnan</b>
	<b>Hoh, Brian</b>	<b>Simon, Scott</b>
	<b>Howard, Brian</b>	<b>Singer, Justin</b>
	<b>Huang, Judy</b>	<b>Tjoumakaris,</b>
	<b>Khalessi, Alex</b>	<b>Stavropoula</b>
	<b>Lawton, Michael</b>	<b>Vezenedargh, Erol</b>
	<b>Levy, Elad</b>	<b>Welch, Babu</b>
	<b>Mack, William</b>	<b>Wolfe, Stacey</b>
		<b>Zipfel, Greg</b>
<b>Guest Attendees</b>		
Joann Bonamino (NREF)		
Elad Levy (CNS)		
Courtney Johnson (CNS Foundation)		
	Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019	

<h1>Meeting Agenda</h1>		
<p><b>Guests</b>                  NREF &amp; AANS                  CNS Leadership &amp; CNS Foundation</p> <p><b>Officer &amp; Standing Committee Updates</b>                  Minutes from the CV Section CNS Meeting (Dr. Schirmer)                  Treasurer's Report (Dr. Siddiqui)                  Fundraising Committee (Dr. Siddiqui)                  Membership Update (Dr. Mack)                  Nominating Committee (Dr. Zipfel)                  Bylaws/Rules &amp; Regulations Committee (Dr. James)                  Website Committee (Dr. Russin)</p> <p><b>Annual Meeting Updates</b>                  2019 AANS Meeting (Drs. Simon, Tjoumakaris)                  2019 CNS Meeting (Drs. Simon, Tjoumakaris, Washington, Osburn)                  2020 CV Sect/SNIS (Dr. Bain, Simon, Tjoumakaris)                  2020 ISC (Drs. Huang, Kim, and Ducruet)                  Robert J Dempsey, MD Cerebrovascular Resident Research Award (Dr. Baskaya)                  CV Sect C. Getch Research Award (Dr. David)                  CV Traveling Fellowships (Drs. Arthur, Schirmer)                  Dacey Medal (Dr. Zipfel)</p>	<p><b>Project Updates</b>                  Philanthropy (Dr. Cockroft)                  IAC-Carotid Stenting (Dr. Cockroft, Dr. Patel)                  Cerebrovascular Coalition, (Drs. Cockroft, Amin-Hanjani)                  Brain Attach Coalition (Dr. Huang)                  JC Technical Advisory Panel RE: CSC certification (Dr. Bambakidis)                  Matrix and Milestones (Dr. Bambakidis)                  CNS Education Division (Dr. Bambakidis)                  CAST/Training Standards (Drs. Siddiqui, Day)                  DAISI (Dr. Siddiqui)                  Washington Committee (Katie Orrico, Dr. Woo)                  Coding &amp; Reimbursement (Dr. Schirmer, Dr. Woo)                  QOD (Dr. Connolly, Dr. Mocco)                  JGC/CV Section Guidelines Committee (Dr. Welch)                  MOC Vascular Module (Drs. Siddiqui)                  SNIS update (Dr. Arthur)                  SVIN Liaison (Dr. Jankowitz)                  International Liaison (Dr. Niemela)                  Newsletter Committee (Dr. Ducruet)                  YNS Liaison (Dr. Howard)                  Resident and fellow courses (Drs. Kellner, Binning, Arthur, Mascitelli)                  3C meeting (Dr. Siddiqui)</p> <p><b>New Business</b>                  Guidelines Review Committee Policy Update (Hanjani)                  Strategic Planning (Dr. Mocco)</p>	
	Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019	

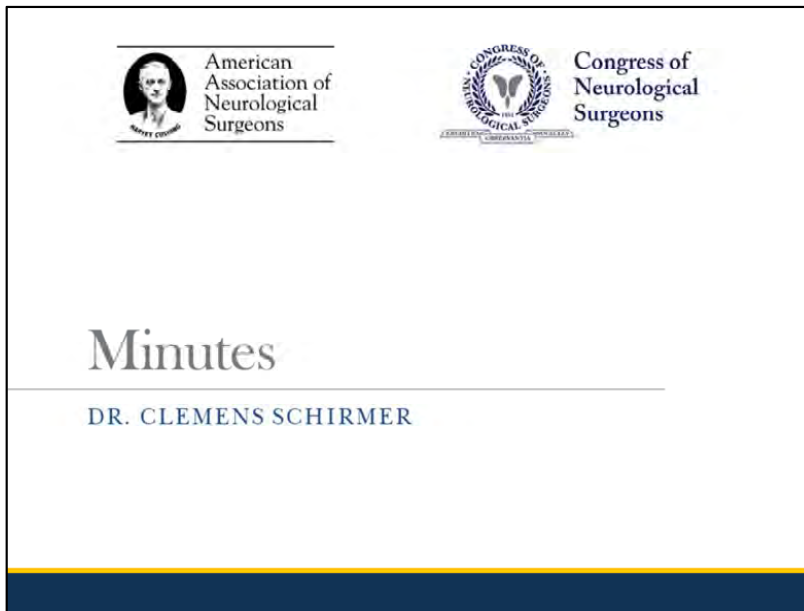
**Meeting is called to order at 2:05pm**

Meeting began with the CNS Guests:

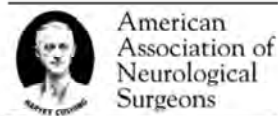
Dr. Levy: I wanted to come thank the CV Section for their gift to the CNS foundation. The foundation works on guidelines, etc., & Philanthropy. Through this mission, we're trying to elevate the standards of care. The mission is to bring Endovascular technology to areas where it didn't exist. We've seeded the foundation with a million dollars, up to 200,000 of your donations will be matched, this is with a ROR at 5%.

AANS Guests:

Joanne B., wants to thank the CV section for their support of the honor your mentor fund. We also awarded the 2<sup>nd</sup> annual traveling CV fellowship. If there's anything we can to assist with the promotion of the Honor your mentor funds, please reach out.



Any discussion on the minutes, motion was made to approve, second by Dr. Mocco, minutes were approved



Congress of  
Neurological  
Surgeons

# Treasurer's Report

DR. ADNAN SIDDIQUI

	Current Year 3/31/2019	Prior Year 3/31/2018
<b>Assets</b>		
Checking & Short Term Investments	201,814	277,485
Accounts Receivable, net of Allowa. Uncollectible Accounts	74,795	21,550
AANS/CNS Cerebrovascular Section Statement of Financial Position For the Nine Months Ending Sunday, March 31, 2019		
Long-Term Investment Pool, at Mar.	845,768	877,996
<b>Total Assets</b>	<b>1,122,377</b>	<b>1,177,030</b>
<b>Liabilities and Net Assets</b>		
<b>Liabilities</b>		
Accounts Payable and Current Liabi.	5,000	(385)
Deferred Dues	51,000	49,620
<b>Total Liabilities</b>	<b>56,000</b>	<b>49,235</b>
<b>Net Assets</b>		
Unrestricted	902,399	847,177
Unrestricted - Donaghy	62,206	60,740
Unrestricted - Galbraith	32,418	31,767
Unrestricted - Leussenhop	20,266	19,398
Unrestricted - Drake	9,711	10,055
Unrestricted - Yasargil Lectureship	66,959	65,285
Net Revenue (Expense)	(27,602)	93,374
<b>Total Net Assets</b>	<b>1,066,377</b>	<b>1,127,795</b>
<b>Total Liabilities and Net Assets</b>	<b>1,122,377</b>	<b>1,177,030</b>





Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



We continue to do reasonably well from the standpoint of overall assets. There was one asset that went in the wrong direction which was related to a dip in our investment profile in December, which caused the above loss. I expect we will recoup most of this.

**AANS/CNS Cerebrovascular Section**  
**Statement of Activities**  
**For the Nine Months Ending Sunday, March 31, 2019**



	FY '16	FY '17	FY '18	FY '19	FY '19	FY '20
	Final	Final	Final	YTD	Budget	Proposed Budget
<b>Revenues</b>						
Membership Dues	60,160	61,388	64,164	48,670	60,500	62,000
Contributions/Sponsorships	32,500	15,000	40,293	30,000	45,000	40,000
AANS/CNS support Finance & Mem.	9,356	10,005	6,899	6,289	10,837	13,580
Misc Revenues	0	6,000	0	0	0	0
Annual Meeting Revenue	381,135	338,330	304,142	4,005	360,000	180,000
<b>Total Revenue and Support</b>	<b>483,152</b>	<b>430,723</b>	<b>415,498</b>	<b>88,964</b>	<b>476,337</b>	<b>295,580</b>


Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019


Our total revenue sources remain stable, registration as well as Annual Meeting Revenue. The meeting did quite well, which was surprising, we had anticipate some losses which did not materialize. It should be noted that we've only received about 4K of that. For the proposed budget of 2020, we are reducing the AM revenue based on divorcing from the ISC, but have not yet determined where it will land.

**AANS/CNS Cerebrovascular Section**  
**Statement of Activities**  
**For the Nine Months Ending Sunday, March 31, 2019**

	FY '16	FY '17	FY '18	FY '19	FY '19	FY '20
	Final	Final	Final	YTD	Budget	Proposed Budget
<b>Expenses</b>						
Audio Visual	20,563	8,333	11,074	1,932	9,000	11,000
Bank Fee	1,324	1,254	1,318	638	1,300	1,300
Contributors & Affiliators	35,000	50,000	30,000	45,000	50,000	50,000
Food & Beverage	19,585	13,928	11,174	3,984	14,000	11,500
Honors & Awards	42,717	35,651	46,777	6,468	45,000	45,000
Office & Other Supplies	55	7	53	0	0	0
Postage & Distribution	264	229	219	104	250	250
Printing/Typesetting	9	185	0	0	200	0
Website	14,120	11,822	1,260	4,135	4,800	3,500


Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019


The above slide was reviewed

	FY '16 Final	FY '17 Final	FY'18 Final	FY'19 YTD	FY '19 Budget	FY 20 Proposed Budget
Administrative Assistance	8	18,148	14,365	1,125	15,000	15,000
Telephone	95	8	1,114	0	0	1,000
Volunteer Travel	8,868	1,584	1,653	384	2,000	2,000
Tours/Transportation	1,410	1,515	232	0	1,500	1,000
Staff Coordination	10,344	10,391	7,416	6,287	12,075	13,637
Annual Meeting Expense	306,335	290,891	286,162	0	320,000	140,000
<b>Total Expense</b>	<b>460,697</b>	<b>443,945</b>	<b>412,816</b>	<b>70,058</b>	<b>475,125</b>	<b>295,187</b>
Investment Earnings	(4,999)	60,132	56,934	(46,508)	0	0
<b>Net Excess (Loss)</b>	<b>17,456</b>	<b>46,910</b>	<b>59,616</b>	<b>(27,602)</b>	<b>1,212</b>	<b>393</b>



Our expenses remain very stable, at the point where when we give out awards, they don't always impact our expenses right away, and some of which are still to be given. These numbers will go up as we go through the year.

The expenses did increase from 2018 due to some development of our website content. Total expenses look low because we have not received the total revenue or total expenses from the Meeting. Depending on that is where our next statement will come from.

NOTES TO FINANCIAL STATEMENTS	
March 31, 2019	
<b>Balance Sheet</b>	
<b>Account Payable &amp; Current Liabilities: Actual \$5,000</b>	
Contributions/Sponsorships	<b>Amounts:</b>
Christopher Getch – FY18	\$5,000
<b>General and Administrative Revenues</b>	
<b>Contributions/Sponsorships – Budget \$45,000, Actual \$30,000</b>	
Contributions/Sponsorships	<b>Amounts:</b>
Microvention	\$15,000
Toshiba Medical Systems	\$15,000
<b>Contributions for Operating Expenses: Budget \$10,837, Actual \$6,289</b>	
Financial Management \$3,679	
Membership Management \$2,608	
<b>Annual Meeting: Budget \$360,000, Actual \$4,005</b>	
We received an additional \$4,005 for CV Annual Meeting from 2018.	



Some notes of things we continue to support.

NOTES TO FINANCIAL STATEMENTS  
March 31, 2019

**Expenses**

**Audio Visual – Budget \$9,000, Actual \$1,932**

The expenses consisted of Audio Visual related expenses at the CNS Annual Meeting in the fall of 2018.

**Bank Fee: Budget \$1,300, Actual \$638**

To have credit card processing, there is a 3.5% (Average) charge for all gross revenues.

**Contributions and Affiliations Budget: \$50,000, Actual \$45,000**

Contributions/Sponsorships	Amounts:
NREF	\$20,000
Washington Committee	\$10,000
CNS Foundation	\$15,000

**Food & Beverage – Budget \$14,000, Actual \$3,984**

The CV Section food and beverages at the CNS Annual Meeting in the fall of 2018.

**Honoraria & Awards – Budget \$45,000, Actual \$6,468**

Honoraria & Awards:	Amounts:
Galbraith Lecture	\$500
Hopkin Lecture	\$1,000
Cost to produce the Awards Certificates	\$618
Best Scientific Paper	\$500
Luessenhop Lecture	\$1,000
Dempsey Award Reimbursement	\$2,850

We continue to contribute,  
and streamlined our awards.



NOTES TO FINANCIAL STATEMENTS  
March 31, 2019

**Website – Budget \$4,800, Actual \$4,135**

The cost for the website maintenance.

**Administrative Assistance – Budget: \$15,000, Actual \$1,125**

CV admin support for Karen Garrett.

**Volunteer Travel – Budget - \$2,000, Actual \$384**

Reimbursement on the travel for Dr. Raul G. Noguiera.

**Staff Coordination: Budget \$12,075, Actual \$6,287**

Financial Management \$3,679

Membership Management \$2,608



**Joint Sections Awards/Educational Grants/Fellowships – FY20**

Awards/Educational Grants/Fellowships name	Cost of Award (\$)	Potential Corporate Donors or Source of Funding from prior years	Amount to be Requested
Robert J. Dempsey Award – (2 Awards at \$15,000 each)	\$30,000	Toshiba American Medical System	\$15,000 (Contract thru 2019)
Robert J. Dempsey Award		KLS-Martin	\$5,000
Robert J. Dempsey Award		Microvention	\$15,000
CV Best Scientific Paper Award (Laboratory)	\$1,500	CV Section Support	\$1,500
CV Best Scientific Paper Award (Clinical)	\$1,500	CV Section Support	\$1,500
Donaghy Award	\$1,000	Section Support	
Drake Lecture Award	\$1,000	Section Support	
Galbraith Award	\$1,000	Section Support	
Luessenhop Award	\$1,000	Section Support	
Yarsargil Lecture	\$1,000	Section Support	
CV Research Lecture	\$1,000	Section Support	
Dacey Cerebrovascular Research Fellowship	\$50,000	WashU and Fundraising (\$25k plus) and Section (up to \$25K)	\$25,000

These are some of our current awards.  
Most of these are funded by the section themselves.



## Fundraising Committee

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Dr. Siddiqui  
Dr. Zipfel  
Dr. Arthur  
Dr. Nakaji  
Dr. Cockcroft  
Dr. Mocco



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



We continue to encourage philanthropy. CNS Foundation is a similar effort from the CNS as NREF is from the AANS. NREF is geared towards research, CNS is geared more to education. I propose we get a CNS foundation report to include as part of the treasurers reports for the next meeting.

## Fund Raising Goals

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- Create a culture of philanthropy for the benefit of the CV Section
- Report during EC meetings on annual giving to the Section based on reports prepared by the NREF
- Encourage 100% participation by Section Officers
- Encourage 100% participation by EC members
- Encourage participation by Section members



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Current Awards

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Meeting reports that show all the CV contributions, donations, and individual giving to either NREF Research CV, Education CV, Outcome CV, and the CV Fellowship Travel. Starting 2018



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Current Awards

Drake Lecture \$1000  
 Galbraith Award \$1000  
 Yasargil Lecture \$1000  
 Donaghy Lecture \$1000  
 Lussenhop Lecture \$1000  
 Hopkins Lecture \$1000  
 Ralph Dacey Lecture \$1000

## Current Awards

At each meeting CV Annual, AANS and CNS give out one each:

- Resident Research \$500
- Resident Clinical \$500
- Dempsey Research Awards (2) \$15,000



### THE NEUROSURGERY RESEARCH AND EDUCATION FOUNDATION Summary of CV Funds 3/31/2019

	FY16	FY17	FY18	FY19
<b>Summary of CV Funds</b>				
Charles Drake Fund	19,884	22,266	24,309	24,309
CV Traveling Fellowship		303,390	313,106	313,106
CV Research Lectureship			60,351	60,351
Warren R. Selman			3,562	3,562
*Research CV	163,911	139,202	98,654	98,654
*Outcome CV			639	639
*Education CV			29,646	29,646
<b>Total of CV Funds</b>	<b>183,795</b>	<b>464,858</b>	<b>530,267</b>	<b>530,267</b>

\*These funds are controlled by NREF



These are all of the funds currently available.



# Nominating Committee Report

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Dr. Gregory J. Zipfel

-Verbal Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Verbal report of nomination results, Chair-Elect is Adnan Siddiqui, Treasurer is Adam Arthur, Vice-Chair is Henry Woo, Member at Large is William Mack, & Nominating Committee Member is Peter Nakaji. Congratulations everyone.

# Membership Update

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Dr. William Mack



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## CV Section Membership Spring 2019

Member Class	Subclass	2019 Dues	2019 Members	2018 Members	2017 Members	2016 Members
Adjunct	60D	\$100	43	40	40	43
Active	01S	\$150	409	395	389	382
Lifetime/Senior	20S	\$0	111	110	108	105
International	40S	\$50	72	67	65	60
Medical Student	15M	\$0	19	18	20	33
Resident	50R	\$0	1,887	1,827	1,676	1,528



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



All membership numbers are up

### NEW MEMBERS

#### Active

Grzegorz Krzysztof Brzezicki, MD  
 Vernard S. Fennell, MD  
 Jesse Jay Savage, MD, FAANS  
 John Entwistle, DO  
 Ryan Alexander Zengou, MD, FAANS  
 Aqueel Hussain Pabaney, MD  
 Justin Allen Dye, MD, FAANS  
 Thomas Morris III, MD  
 David Krieger, MD, FAANS  
 Carolina Sandoval-Garcia, MD  
 Jane Ng, MBBS, PhD  
 Jan-Karl Burkhardt, MD

#### International

Amit Thapa, MBBS, MS, MCh  
 Daiyan Martin Chaviano, MD  
 Guilherme Brasileiro Aguiar, MD, MSc  
 Ankit Sharma, MBBS, DNB

#### Adjunct Associate

Amanda Welle, APRN, CNP  
 Lori Cox, CCRN, MSN, NP  
 Elayna Leah Temares, FNP-BC

#### Medical Student

David J McCarthy

#### Resident

Rabail Akbar Qazi, MBBS  
 Anagha Prabhune, MBBS  
 Francisco Javier Sanchez Gallardo, MD  
 Harry Pinson, MD  
 Eid A Aljohani, MBBS  
 Jorge Alberto Miranda Barrera, MD  
 Sana Akbar Qazi, MD  
 Yan Hua Su, MD  
 Juan Carlos Gomez Vega, MD  
 Suresh Bishokarma, MBBS, MS  
 Christos Tsitsipanis, MD  
 Eric Nyam Tee Tau, MD  
 Shadi Abulhala  
 Sanjeev Ariyandath Greenivasan, MBBS, MS, MRCS  
 Rina Di Bonaventura, MD  
 Arthur Hosmann, MD  
 Deepak Khatri, MCh  
 Xin Zhang, MD



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



These are the new members, residents are automatic

## CV Section Dues

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### CV Section Dues Mailing

1st Notice Feb. 26, 2019

2nd Notice scheduled for Apr/May 2019



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



We have a far shorter list year than in years past

## CV Section Membership

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2017 Spine and Tumor sections

Gives AANS applicants the option to check a box when applying for AANS membership to advise us if they would become members of any of the sections.

Saves time for the sections : pre-vetted, pre-screened by the AANS Membership Committee, no further review is necessary.

Once the AANS applicant's membership is approved, Kristin Zerfas (CV Section Coordinator) gets an automated report of who is to be given membership in the section(s) they requested.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



This is a chance for people to automatically get enrolled, this will continue the membership drive.

## Bylaws & Rules & Regulations Committee

Dr. Robert F. James (Chair)

Dr. Stacey wolfe

Dr. Alex Spiotta



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019

## Rules and Regulation update

New resolution establishes a new standing committee: “The Dacey Medal Selection Committee” as well as defining rules for membership to the committee and the award selection process.

An amendment to the bylaws is required for all new standing committees and will create institutional memory related to the award.

Amendment to the bylaws approved by CV Section Membership April 05, 2019 with 97% approving (Vote Yes: 29 No: 1).



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019

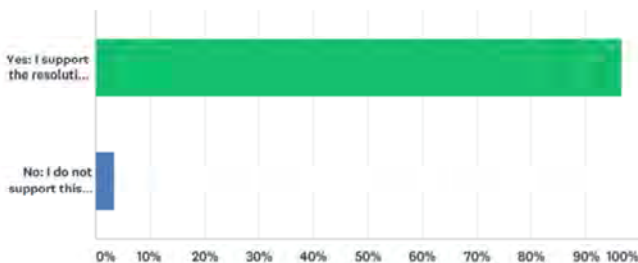


Dr. Schirmer reported  
on behalf of Dr. James.

### Resolution to Amend the Rules and Regulations of the AANS/CNS Cerebrovascular Section-Deadline April 5, 2019

#### Q2 Vote Yes or No

Answered: 30 Skipped: 0



#### ANSWER CHOICES

Yes: I support the resolution to amend the Rules and Regulations of the AANS/CNS CV Section for the purpose of establishing the Dacey Medal Selection Committee and defining the committee's membership, rules, and responsibilities.

No: I do not support this resolution to amend the Rules and Regulations of the AANS/CNS CV Section

TOTAL

#### RESPONSES

96.67% 29

3.33% 1

30



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



# Approved Amendment to CV Section Rules and Regulations

## AANS/CNS CEREBROVASCULAR SECTION

**American Association of Neurological Surgeons**  
 1000 ...  
 ...  
**Congress of Neurological Surgeons**

**RESOLUTION TO AMEND THE RULES AND REGULATIONS OF THE CEREBROVASCULAR SECTION OF THE AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS AND THE CONGRESS OF NEUROLOGICAL SURGEONS**

The "Cerebrovascular Section of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons," hereinafter referred to as the "CV Section" is a professional organization and section of both the American Association of Neurological Surgeons (AANS) and the Congress of Neurological Surgeons (CNS).

This resolution signed by at least 10 members of the CV Section, under the provisions of the CV Section Rules and Regulations (By-Laws), resolves that the following change to the CV Section Rules and Regulations shall be considered by the full membership of the CV section and will be deemed to be considered "Approved" and "Enacted" at least 60 days after electronic circulation to the CV Section membership and following affirmation by a three-quarters majority of the CV Section membership who participate by electronic vote.

**RESOLVED:**  
 THAT the Rules and Regulations currently enacted SHALL be amended to include the following additions:

**ARTICLE VII**  
**Committees**

**Section 1**  
 The standing committees of the Section shall consist of:

1. The Theory Model Selection Committee. This committee is responsible for the nomination process and the selection of the annual winner of the "Ralph G. Dawy, Jr. Model for Outstanding Cerebrovascular Research". The purpose of this award is to highlight the importance of cerebrovascular research to our specialty, foster scientific investigations in the areas of stroke and cerebrovascular disease, and recognize neurologists who have made novel, outstanding, and significant contributions to the basic, translational, and/or clinical understanding of cerebrovascular disease. Only active neurosurgeon-investigators may be considered. Emeritus, non-active neurosurgeon-investigators will not be eligible for this award. Membership in the AANS/CNS Joint Cerebrovascular Section is not required for consideration. Active clinical practice is not required.

The Theory Model Selection Committee will maintain a current standard operating procedure (SOP) document detailing the award nomination and selection process including any additional eligibility requirements. Amendments to the Theory Model Selection Committee's SOP must be approved by the Executive Council. The SOP must not contradict or supersede any requirements stated herein. The award will be presented each year at the Joint Cerebrovascular Section's Annual Meeting. At a minimum, celebration of nominations for the upcoming Theory Model Award will be held in the Department Chair of North American Neurological Training Programs (USA and Canada) and in the Joint Cerebrovascular Section Meeting. The 2018 (December) Ralph G. Dawy, Jr. Model for Outstanding Cerebrovascular Research was awarded to Dr. ... as follows:

a. The composition of the Theory Model Selection Committee will be five (5) members as follows:

1. Committee Chair: Three-year term appointed by the Executive Council. Candidates for the committee chair are required to be past Theory Model winners.
2. Stroke Neurosurgeon Investigator: Member: Three-year term appointed by the Executive Council. Candidates for this position must be established neurosurgeon-investigators with active NID or similar funding. The candidate may not be an active or deceased member of the CV Section Executive Council. The candidate may be a neurosurgeon-investigator in any discipline and is not required to be a cerebrovascular neurosurgeon. Past Theory Model winners who have not served an other of these committees are eligible for this position. The first appointee to this position will have a term of only one year so that both the Committee Chair and the Stroke Neurosurgeon Investigator Member will be up for re-appointment in the same year.
3. CV Section Chair at the time of the Theory Model Presentation.
4. Immediate Past CV Section Chair at the time of the Theory Model Presentation.
5. Past-Past CV Section Chair at the time of the Theory Model Presentation.

b. Additional Theory Model Eligibility and Requirements:

1. The Theory Model may not be awarded twice to the same individual or author team during their lifetime.
2. Self-nominations for the Theory Model are not accepted.
3. Active CV Section Executive Council members and Theory Model Nominations Committee members are not eligible for the award while holding these positions.
4. The official name of the Theory Model will be the "Ralph G. Dawy, Jr. Model for Outstanding Cerebrovascular Research". The official name may not be changed.
5. Funding for the Theory Model award will be maintained by the Joint Cerebrovascular Section under the care of the Treasurer or the Executive Council. Funding will include the ability to acquire and acquire the model itself and to make a cash award to the recipient to the amount specified by the current Theory Model SOP.

**AFTER** distribution of this resolution - signed by 10 members of the CV Section - at least 60 days prior to an electronic vote and

**AFTER** affirmation of three-quarters of the membership participating in the electronic vote three changes

**SHALL** describe take effect immediately and be considered adopted after approval by the parent organizations and

**PURSUANT** to the provision and authority of ARTICLE VIII of the CV Section Rules and Regulations as written herein.

**ARTICLE VIII**  
**Amendments**

The Rules and Regulations of this Section shall take effect immediately from their adoption and shall not be amended except by written resolution signed by at least ten Members and circulated to the Membership at least 60 days prior to the annual meeting, which is held in conjunction with the annual meeting of the AANS or the CNS or prior to an electronic vote in order to allow the discussion. Any amendment shall require affirmation by three-quarters majority vote.

**IN WITNESS WHEREOF**, the parties hereto have executed this Resolution on the 20th day of April of the year 2018.

\_\_\_\_\_  
 Authorized Signature

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## Next Steps

Submit to AANS and CNS parent organizations for final approval of change to CV Section Rules and Regulations

American Association of Neurological Surgeons | Cerebrovascular Section of the AANS/CNS - EC meeting update 4/14/2019 | Congress of Neurological Surgeons

The above slides were reviewed

## Website Update

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Dr. Jonathan Russin



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



I'd like to thank those who have been contributing content to the social media accounts.

## Website Committee

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News/Social Media: Chris Griessenauer, Ning Lin, Justin Singer, Joey Linzey

Patients: Peter Kan

Members: Aditya Pandey, Chris Roark, Rabih Tawk

Meetings: Rose Du

Education: Justin Mascitelli, Daniel Heiferman

International: Leonardo Rangel-Castilla

Awards and Grants: Scott Simon

Research: Scott Simon, Josh Osbun



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Website Committee

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Contract with Vividsites

- Paid for 25hrs in Oct 2018 – 3750.00

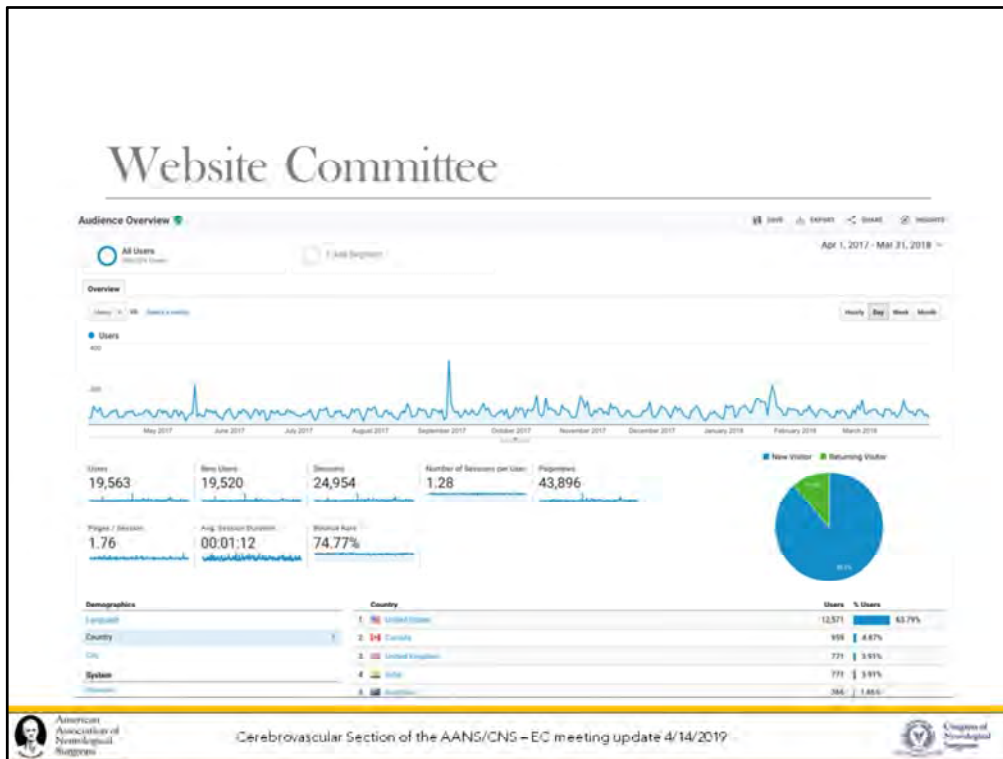
- Used 5hrs as of March 2019

No outstanding invoices



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019





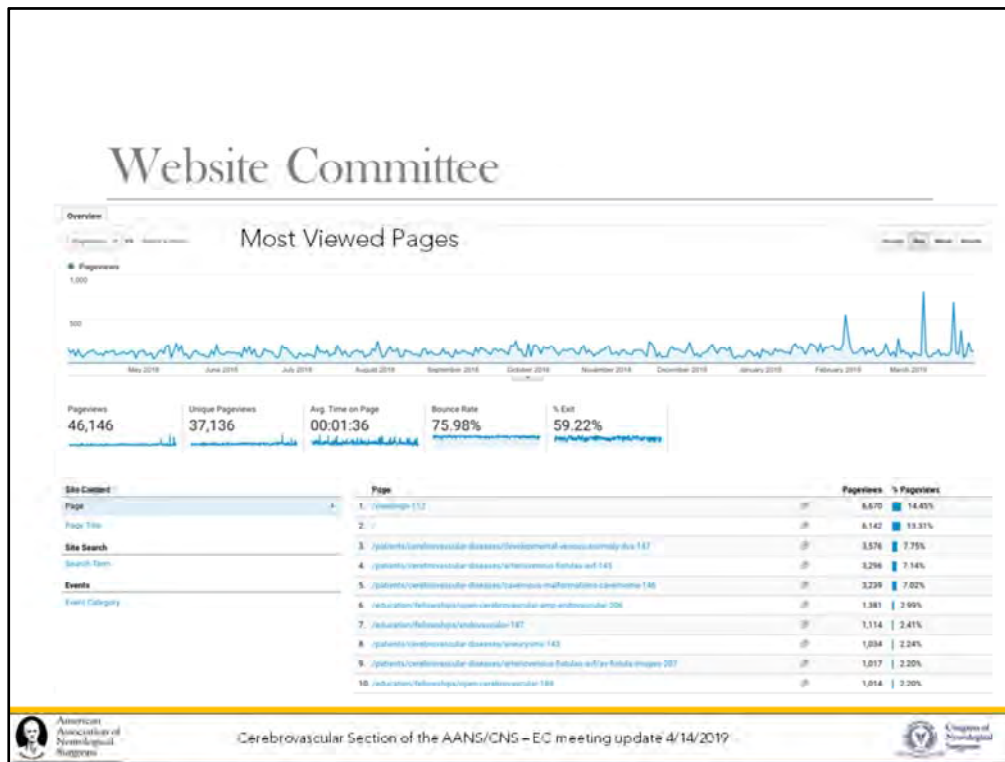
-This is an overview of users





The above slides were reviewed

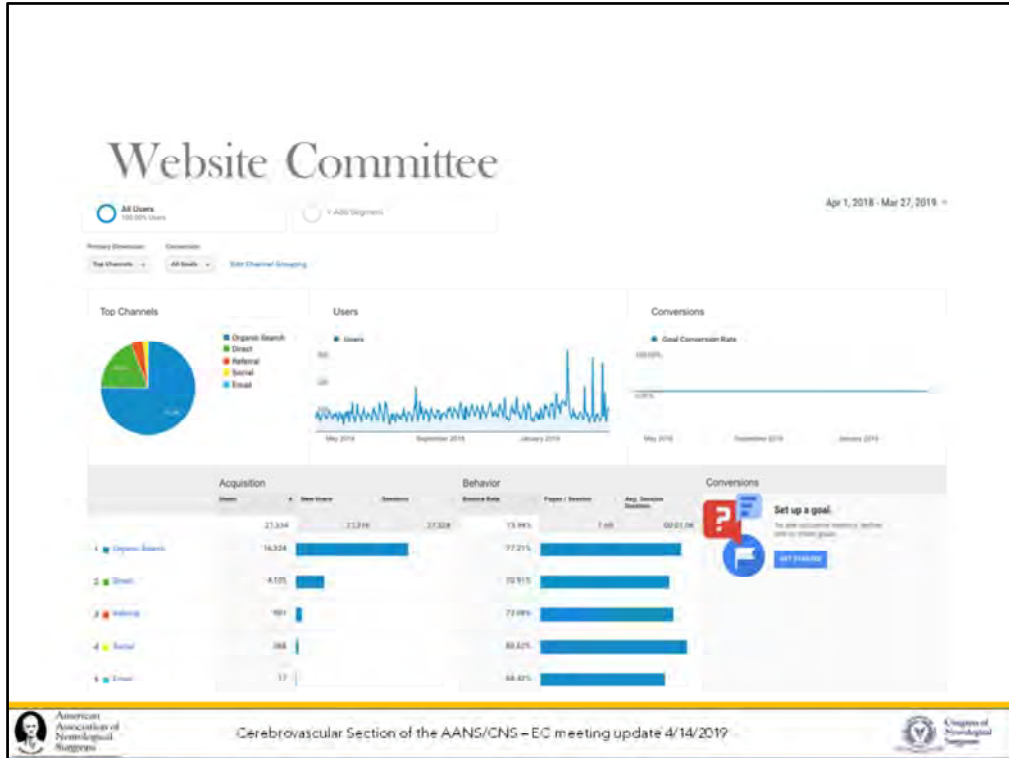
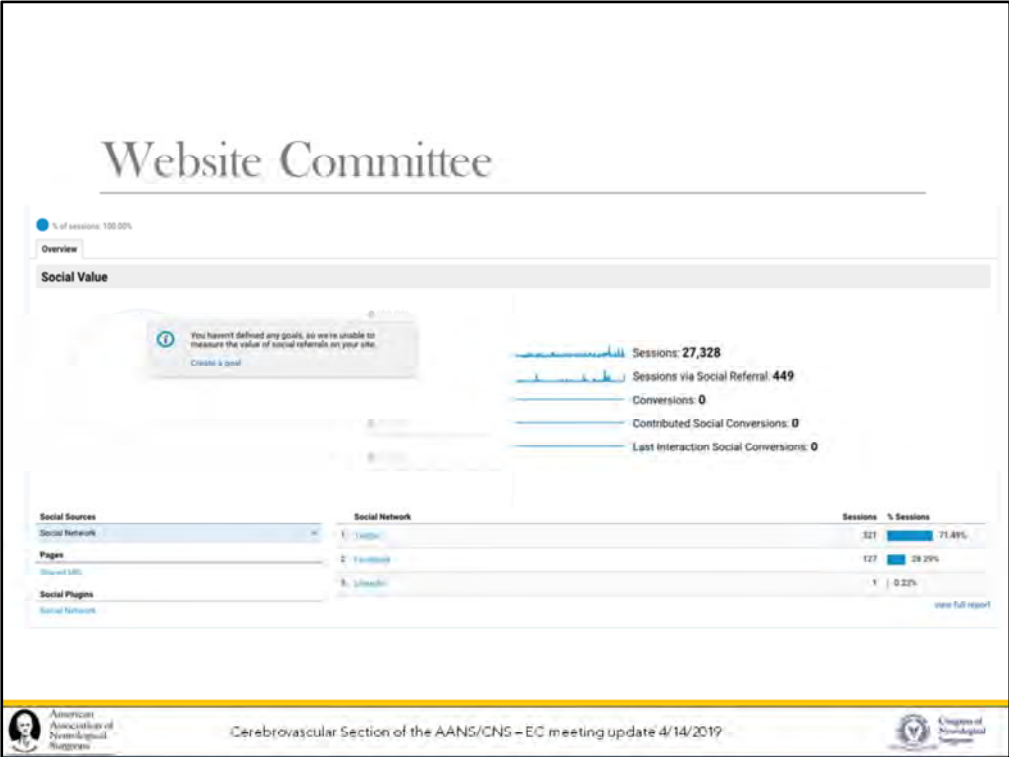




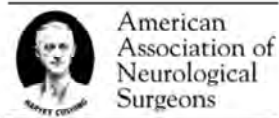
This is the most popular



Most people come to the site through an organic search



This shows how much comes through social media referrals



# Annual Meeting Updates

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## 2019 CV Section Meeting

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Dr. Tjoumakaris  
Dr. Simon  
Dr. Bain



## 2019 Joint CV Section Meeting (Tjoumakaris, Bain, Simon)

- CV Section/SNIS Member – 132
- Non-member – 68
- Nurse/Technologist – 11
- Fellows/Resident/In-Training – 67
- Guests – 18
- Press – 1
- Staff – 10
- Exhibitors – 106

**Total: 413**

Dr. Tjoumakaris: I'd like to thank Mark Bain, we broke a lot of records

## 2019 Joint CV Section Meeting (Tjoumakaris, Bain, Simon)

- WFNS Symposium – 126
- ICH Dinner Symposium – 174
- International Attendees – 53

Next Meeting...



Cerebrovascular Section of the AANS/CNS – EC meeting update



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Bill Mack: It was discussed in other forums to potentially move the meeting away from ISC. The initial call/thought is that there is a strong possibility to move the meeting to be in conjunction with the SNIS meeting in July.

Question was raised: Who is opposed to this?

Bill Mack: There's people who have concerns about size of venue, finances, etc. There's not a specific person against it. We're trying to make it a stronger by numbers.

Adnan Siddiqui: It's not a decision being made, we are just exploring the possibility. We cannot explore the process without conversation from SNIS. We are also exploring other alternatives, both with the CNS & the AANS.

Bill Mack: This will be a decision made by the board and the task force.

J Mocco: I'd also emphasize that part of the thinking is empowering our membership to attend ISC. There are many that feel that having our meeting right in front of it takes away from their ability to attend.

## 2019 AANS Meeting)

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Dr. Simon  
Dr. Osbun



American  
Association of  
Neurological  
Surgeons

Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Congress of  
Neurological  
Surgeons

Scientific Session 1 is  
tomorrow.

## 2019 AANS Meeting

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### Scientific Session 1

- Monday, April 15
- Moderators: Michael Levitt, Eric Peterson
- Abstracts
- Yasargil: Josh Bederson
- Greg Zipfel: dAVF
- Late breaking abstracts
- Rapid fire abstracts



American  
Association of  
Neurological  
Surgeons

Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Congress of  
Neurological  
Surgeons

Second session is on Wednesday.

## 2019 AANS Meeting

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### Scientific Session 2

- Wednesday, April 17
- Moderators: Jarod Knopman, Josh Osbun
- Donaghy: John Wilson
- Point/Counter Point: ICH
  - Simon, Chicoine, Turner
- Business meeting 4:30



American  
Association of  
Neurological  
Surgeons

Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Congress of  
Neurological  
Surgeons

## 2019 CNS Meeting

Dr. Simon  
Dr. Tjoumakaris  
Dr. Washington  
Dr. Osbun



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Saturday at CNS we're going to have an all day symposium.

## 2019 CNS Meeting

### Symposium

- Advanced Techniques in the Treatment of Intracranial Aneurysms

### Courses

- A New Era in Stenting
- Advanced Techniques in Cerebrovascular Surgery
- Implementation and Management of Community Stroke Networks and Thrombectomy Centers

### Dinner Seminar

- Multi-modality AVM treatment in the past, present, and future

### Interactive

- Treatment of Cerebral aneurysms
- Treatment of Cerebral AVM/dAVF



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## 2019 CNS Meeting

### Section Session Non-abstract time (45 minutes each):

- Future Training of the Cerebrovascular Neurosurgeon
- Artificial Intelligence in Cerebrovascular Neurosurgery

### Guidelines/Sunrise

- Cerebrovascular Guidelines
- How to build a multi-disciplinary cerebrovascular team



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## 2019 CNS Meeting

### Lunches

- Is Intracerebral Hemorrhage a Surgical Disease?
- Contemporary and Practical Management of an Enigmatic Process: Cerebral Vasospasm (Delayed Cerebral Ischemia)
- Venous stenting for Pseudotumor
- Transradial Approaches to Cerebral Angiography and Neurointervention
- Carotid Artery Disease: Symptomatic/Asymptomatic/Stent/CEA
- Implementation and Management of Community Stroke Networks and Thrombectomy Centers
- Device Development in Cerebrovascular Neurosurgery
- Middle meningeal artery embolization for subdural hematoma treatment



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



# Robert J. Dempsey, MD Cerebrovascular Research Award 2019-2020 Annual Update

**Mustafa K. Baskaya, MD, Chair**

*Director of Skull Base Surgery*

*Professor of Neurological Surgery*

*Cerebrovascular and Skull Base Surgery*

*University of Wisconsin, Department of Neurological Surgery*



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019

Cerebrovascular Section of the American Association of Neurological Surgeons and The Congress of Neurological Surgeons once again awarded two \$15,000 Resident Research Awards in Cerebrovascular Disease in 2019-20.

Of the outstanding applications, winners of this award for 2018-19 are:

**Christopher Young, MD** from the University of Washington with his project, “Elucidating the molecular basis of endothelial dysfunction in intracranial aneurysms.”

**Stephanie Chen, MD** from University of Miami with her project, “Inflammatory Biomarkers in Acute Ischemic Stroke.”



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Dr. Schirmer reported on behalf of Dr. Baskaya, these are the two winners for this years Dempsey award.

## We would like to acknowledge and thank the following reviewers:

Dandan Sun, MD, PhD  
Professor of Neurology  
University of Pittsburg

G. Edward Vates, MD, PhD  
Professor of Neurosurgery, Endocrinology  
& Otolaryngology  
University of Rochester Medical Center

Robert Friedlander, MD, MA  
Chair, Walter E. Dandy Professor of Neurosurgery,  
Neurology & Neurobiology  
University of Pittsburg

Mustafa Baskaya, MD  
Professor of Neurological Surgery  
University of Wisconsin - Madison

Robert Dempsey, MD  
Chair & Manucher Javid Professor of Neurological  
Surgery  
University of Wisconsin - Madison



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## CV Section C. Getch Research Award

Dr. David  
-No Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Dr. Schirmer: Dr. Khan gave his support at the annual meeting, and we've selected the next two winners. This is going well, but we need to double down on publicizing this a little bit. I welcome anyone's suggestions on how to publicize this.

## CV Traveling Fellowships

Dr. Adam Arthur  
Dr. Clemens Schirmer

-Verbal Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Dacey Medal

Dr. Zipfel  
-Verbal Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



The Dacey medal presentation went really well. We'll send out a nominations letter after this meeting to solicit nominations for the 2020 meeting.

Dr. Dacey is asking to no longer serve as the chair of that committee. The way that committee is structured, 1 person as to be a past winner. I'd propose Sander Connolly to be the chair of the committee, and stay on in a 3 year term. Maybe this coming year we could then determine who would take over for Dr. Dacey.

Dr. Zipfel: I motion that Dr. Dacey steps down after 1 additional year, and that Sander Connolly takes over.

Siddiqui: I second.

J Mocco: I second that Dacey serves as an additional year. All motions were seconded, and voted unanimously for approval.



## Philanthropy

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Establish a culture of giving within the CV Section.  
Consider a donation to NREF, CNS Foundation or  
Neurosurgery PAC.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## NREF

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Consider a donation to NREF earmarked for CV  
Section-related projects.

Current designations include Research, Education and  
Outcomes.

<https://www.nref.org/Donate.aspx/>



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## NREF

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L. Nelson “Nick” Hopkins NREF Young Clinician  
Investigator Award jointly sponsored by Arvind Ahuja  
and the CV Section.

Kate Carney Memorial AVM Research Award

Traveling Fellowship Award

Honor Your Mentor Funds (Dacey, Drake, Harbaugh,  
etc.)



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



The above slides were reviewed

## CNS Foundation

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Consider a donation to CNS Foundation

1. CNS Foundation General Fund
2. Fellowship Training Awards & Grants Fund
3. Guidelines Development Fund
4. Leadership in Healthcare Fund
5. NINDS/CNS Getch Scholar K12 Award

<https://www.cns.org/about-us/foundation/donate>



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Neurosurgery PAC

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Mission to support candidates for federal office who support neurosurgeons.

Makes direct campaign contributions to candidates for the U.S. Senate and the U.S. House of Representatives who are supportive of the issues important to neurosurgery.

Nonpartisan and does not base its decisions on party affiliation but instead focuses on the voting records and campaign pledges of the candidates.

<https://myaans.aans.org/MyAANS/DonationPAC.aspx>



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



A Arthur: I'll be rotating off of PAC, but they've been doing great work.

## Philanthropy

### **Section Philanthropy (2017-2018):**

100% (8 of 8) of CV Officers gave to CNS Foundation, NREF or NS PAC

Of the 32 members at the EC meeting held during the AANS, 25 members gave to CNS Foundation, NREF or NS PAC



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Adnan Siddiqui: The section donates 10K to the Washington committee. Is that different from PAC??

Kevin Cockroft: yes, this is talking about individual donations.

J Mocco: Suggest taking our attendance sheet and sending them information on contributing to these organizations?

Adnan Siddiqui: One of the reasons we started doing this was to encourage people to donate more. Should we just have names up there?

Sepideh Amin-Hanjani: How does the mentor funds get utilized? The ones you mentioned are the ones the CV Section runs?

Clemens Schirmer: The answer depends on how the fund is set up, we don't necessarily have control of this.

Kevin Cockroft: I count any donation

Alex Khalessi: I am a huge believer in philanthropy, and if we want to have a list thanking those who have donated, but it should not be considered in the nomination process.

J Mocco: I don't think that's the idea, it's just one component

Greg Zipfel: I think the point is that we're the leaders, one way we lead is by donating, and showing that contributing is one aspect that we are trying to promote. I think we're heading towards that goal, but I agree that doing more than that is not the intent.

Adnan Siddiqui: there was a question of increasing membership. What if, instead of just dues, we include an option to donate, so that when people are writing a check they just write a bigger check?

Kevin Cockroft: Is there a way to designate to the CNS foundation?

Brian Hoh: Yes

J Mocco: I announced an initiative to do a CV Section matching effort, we've been in conversations with both NREF and CNS Foundation.



American Association of Neurological Surgeons



Congress of Neurological Surgeons

# Intersocietal Accreditation Commission - Carotid Stenting

COCKROFT & PATEL

## IAC - Carotid Stenting

### Four accredited facilities.

- Three fully accredited for three years each.
- 1 received a 1 year provisional grant and has not provided corrective action plan yet to acquire the full granted accreditation.

### One delayed application.

- delayed due to significant issues related to neuro testing pre and post CAS and follow up exams with duplex ultrasound and neuro testing.
- No corrective action plan submitted as yet.

One facility's accreditation expired April 30, 2018 and did not submit an application for reaccreditation.

Cockroft elected as Officer-at-Large for division board and Carotid Stenting Division representative to overall IAC board of directors.



Cerebrovascular Section of the AANS/CNS - EC meeting update 4/14/2019



## IAC - Carotid Stenting

### Four accredited facilities.

### Three applications for reaccreditation in 2018

- One was granted as they had no discrepancies.
- One received a one year provisional grant and they were requested to submit their corrective action plans related to the neurological testing (mRS and NIHSS) pre and post carotid stent procedure and a follow up examination with duplex ultrasound and neurological testing (mRS and NIHSS.)
- Accreditation was delayed in one. Facility did not have a quality improvement process. They also did not perform neurologic testing (mRS and NIHSS) pre and post carotid stent procedure and did not perform follow up examinations with duplex ultrasound.



Cerebrovascular Section of the AANS/CNS - EC meeting update 4/14/2019



## Brain Attack Coalition

Dr. David Baker, Executive Vice President, the Joint Commission (JC), spoke at the last BAC meeting (March 22) about the new concept of system-level stroke certification and requested consideration of BAC members to endorse this concept of **Comprehensive Stroke Center Integrated System**:

The concept of system-level certification, in which a group of hospitals functions together as a single entity to optimize care and outcomes for patients with all types of stroke similar to a single-hospital Comprehensive Stroke Center, deserves further exploration and testing.

The current Comprehensive Stroke Center Integrated System pilot underway at Memorial Hermann should have each of its four component hospitals recognized by regional EMS as the equivalent of individual Comprehensive Stroke Centers for routing decisions for a 2-year pilot period.

Continuing endorsement of the above statements beyond 2 years will depend upon the results of the evaluation underway at Memorial Hermann, the results of which will be shared with the BAC.

Note: There is no commitment at the present time to expand this model to other hospitals or systems; any such requests would be considered on an individual basis.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



The joint commission is torn about this, they are a little wary of what this means to them, so they approached BAC for their input. The BAC is wary of this request, we are on board with data collection, but not really supportive of the process.

Adam Arthur: Is this the opposite of the bypass which we've discussed? About taking patients to an Endovascular unit directly?

J Mocco: As someone who's spent a lot of time working through these issues, I don't see how this works, I don't see how this is consistent or feasible. It's so difficult to get agreement on basic certification things, I would not be supportive of this type of endeavor.

Nick Bambakidis: I agree, it's a non-workable pathway based on this much information.

Brian Hoh: This is where Art is, the way he described it is we have this team that covers all these hospitals

Babu Welch: Was there some mileage requirement within these? Or it truly systems?

Judy Huang: It seemed this behavior was looking for input from BAC. The general feeling was this was a way for one system to gain an unfair advantage.

J Mocco: Is there an official message we should give?

Clemens Schirmer: we should tell them if they want to study this as research, they are welcome to, but to make it pilot.

J Mocco: I think we should tell them we would not support this.

Nick Bambakidis: it as the potential to wipe out what we've done

Clemens Schirmer: That's the point, I think if they want to STUDY, they should study, but they shouldn't convey it as a designation.

Adam Arthur: If they want to study, sure.

J Mocco: Sure, study, but make sure we tell them we think it's a bad idea.

J Mocco: I motion that we provide a response that we do not support

Motion was seconded

All in Favor: Majority carried.

## JC TAP/Stroke Center Certification

JC has proceeded with reimplementation of individual volume/certification requirements for CSC/TSC certification (15 MTs per year or 30 over 2 years)

- Apply to all providers in call pool
- maintaining 15 annual case volume per certified facility
- Discussion in last stakeholder meeting regarding need for CAST certification
- Significant concerns raised by SIR for radiologists performing MTs
- TAP call to discuss phased in process for certification options



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Nick Bambakidis: There's an ongoing discussion about stroke center certifications

There's also a discussion about enacting a system with regards to transport times that are 2—3 hours. It's hard to say where they'll go with it.

There's also a discussion about CAST certification. The concern is that they may not be eligible for the practice pathway. There was an urging from members to re-engage with CAST about the certification requirements.

J Mocco: I think that we've been part of a great initiative in making CAST a thing, and we've gotten multi specialty buy-in. However, operationally, we are struggling in some of these things. They were a hair away from scrapping CAST completely based on a recent response letter. It is far from certain or locked in; it's somewhat precarious, this is a real issue that we have the potential to lose the progress we've made.

We have to make sure that documents are not going out that completely contradict what we say. The letter in question is confidential. The other piece is that we have to realize that since we've gotten the Joint Commission to agree to some reasonable minimums, they are the best of the worst, and they are seeing substantial flight of institutions to DNV. Unless we can show value in keeping standards high, it's going to be a problem.

Adan Siddiqui: There's another arm in this, the department of health. It doesn't matter who it is, whoever does the certification for the state needs to follow those regulations.

## Cerebrovascular Coalition (CVC)

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Josh Hirsch is current chair (ASNR).

No recent issues to report.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Matrix and Milestones (Portal)

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Dr. Nicholas Bambakidis

-Nothing to Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## CNS Education

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Dr. Nicholas Bambakidis

-Nothing to Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



The only thing you'll hear from me is about CNS Nexus, I would encourage you consider providing some cases to this initiative.

## CAST Update

CAST endorsement pending by JACHO for Comprehensive & Thrombectomy Ready Stroke centers for performance of Neuroendovascular procedures

CAST endorsed by ABMS and ACGME to create practice track for all Neuroendovascular training certification and accreditation with NESAC members



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



There are a few issues which have come up. For full disclosure, this was a discussion had at NESAC. People who are not CAST eligible who did their training outside of the US.

NESAC is going to morph into CSAC. In addition to those member's, we'll have additional members from each parent board. The certification will be provided by each of the individual boards. It looks like it is being adopted.

## CAST Accreditation of Programs

(as of October)



Programs Approved:	Previously	October 2018	TOTAL
a. Cerebrovascular	9	1	10
b. Endovascular	32	6	38



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Total programs are above, we have an additional 15 applications in front of CAST.



# CAST Accreditation of Programs

(as of October)



Programs Approved:	Previously	October 2018	TOTAL
a. Cerebrovascular	9	1	10
b. Endovascular	32	6	38



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Total programs are above, we have an additional 15 applications in front of CAST.

## Certification of Individuals

New Applicants (approved, approved pending, tabled, denied)

	applicants	approved	tabled/denied
NES	35	30	2/3
NCC	12	10	0/2
Total:	47	40	2/5

## NESAC Membership

Neurosurgery JSCVS - Joint Section, Cerebrovascular Surgery (AANS/CNS)

Name	Institution	Term Start	Term End
Brian Hoh, MD**	University of Florida-Gainesville	2015	2020
Adnan Siddiqui, MD	SUNY Buffalo	2015	2019
Howard Rina, MD	New York University	2015	2018

Neurology SVIN – Society of Vascular and Interventional Neurology

Name	Institution	Term Start	Term End
Tudor Jovin, MD**	University of Pittsburgh	2015	2020
Sam Zaidat, MD	Medical College of Wisconsin	2015	2019
Isko Linfante, MD	Miami, FL	2015	2018

Radiology SNIS – Society of Neurointerventional Surgery

Name	Institution	Term Start	Term End
Philip Meyers, MD**	Columbia University	2015	2020
Colin Derdeyn, MD	Washington University at St. Louis	2015	2019
Aquilia Turk, MD	Medical University of South Carolina	2015	2018

\*\* denotes signing member of NESAC formation document, finalized Jan 2015

S/CNS – EC meeting update 4/14/2019



These are the current CAST members.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Adam was supposed to replace Dr. Howard, but Dr. Howard is staying, and we're adding Adam as additional.

### I. NESAC Membership

Name	Institution	Term Start	Term End
Howard Riina MD	New York University	2015	2018
Adam Arthur MD	UT Memphis	2018	2021

Name	Institution	Term Start	Term End
Italo Linfante MD	Miami, FL	2015	2018
Johanna Fifi MD	Mt. Sinai	2018	2021

Name	Institution	Term Start	Term End
Aquilla Turk MD	USC Greenville SC	2015	2018
David Fiorella MD	SUNY Storybrook	2018	2021

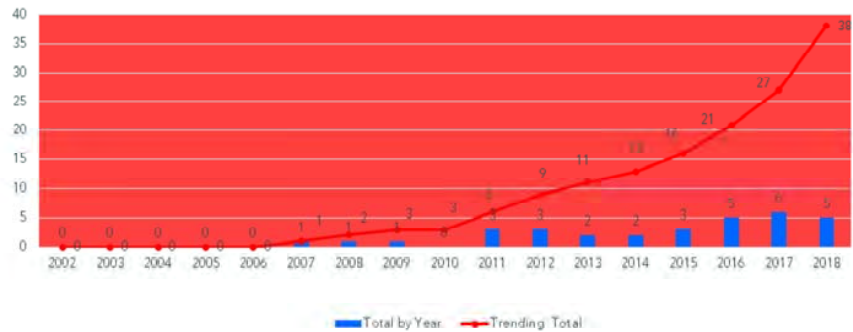
### Certification of Individuals

#### New Applicants (approved, approved pending, tabled, denied)

	applicants	approved	tabled/denied
NES	51	34	3/14

Our total number of applicants will be close to 300 by June.

### CAST Program Accreditations Neuroendovascular Surgery (NES) (as of October 2018)



## CAST Individual Certifications NeuroEndovascular Surgery (NES)

(as of October 2018)



Certificates Approved:	Previously	April 2018	October 2018
a. Neurosurgeons	63	14	12
b. Neurologists	41	5	14
c. Radiologists	43	11	8
<b>TOTALS</b>	<b>147</b>	<b>30</b>	<b>211</b>



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## How to apply

Senior Society Webpage: [www.societyns.org](http://www.societyns.org)

Click on Subspecialty training & fellowships (CAST) tab

Click on either program or individual certification for Neuroendovascular Surgery



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



As you can see it was 211 at the end of last year, so that's almost another 100.

Adnan Siddiqui: We have approved multiple Radiologists, but no one who only does mechanical thrombectomy. We have not considered volume, but at least some demonstration that you have some kind of endovascular practice. The issue was, they were complete against creating a clear and absolute formula. They were worried about people gaming the system. It mostly is about leaving it to expert for discussion and consensus.

J Mocco: A new president of SIR just took over at their last meeting, Adam and I have been having conversations with her about these paths. She has said she would be open to agreeing that someone who trained within their residency that someone would have to do a 1 year fellowship after that training. What we'd have to decide is what they'd have to do during those other 6 years.

Alex Khalessi: If we don't come up with a pathway for future trainees, that opens up some exposure

Brian Hoh: It doesn't matter what you do during your residency, you have to have done your fellowship training at a CAST accredited fellowship.

Adnan Siddiqui: For a proposal, I would say the CAST document should include the pre-requisite Adam

Arthur: We agree with that

Brian Hoh: The thought process behind what went into that, after group discussion, was that there was something about having a neuro background that mattered.

J Mocco: SIR also presented their document for stroke treatment, but didn't give us a chance to actually read it.

## DAISI Update

### Devices for Acute Ischemic Stroke Intervention – A Coordinated Registry Network

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Dr. Adnan Siddiqui



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## DAISI Update

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- Devices for Acute Ischemic Stroke Intervention – A Coordinated Registry Network
- CV Section, SNIS, SVIN
  - Co-Chairs: Adnan Siddiqui (CVS), Sameer Ansari (SNIS), David Liebeskind (SVIN)
- NPA – QOD
- SNIS – NVQI
- AHA - Get with the Guidelines
- Industry
- FDA
- CMS
- NIH



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## DAISI Update

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NVQI – QOD merger thru M2S

First Project Extension of indication to Posterior Circulation

- Partnership between Industry and NVQI-QOD-SVIN

We are excited to announce the merger of NVQI and QOD, our hope is that we would be doing a few things, including reaching out to CMS to get some funding.



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Coding & Reimbursement Committee

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Dr. Clemens Schirmer

Dr. Henry Woo

-No Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Rapid Response Committee

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Dr. Henry Woo

Dr. J Mocco

Dr. Alex Khalessi

No  
Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## QOD

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Dr. Connolly

Dr. Mocco



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



J Mocco: We are synergizing QOD, and hopefully we will continue to drive the field towards better collaboration.

Kevin Cockroft: You'll be getting letters about this merger, pricing has not yet been worked out.

**JGC/CV Section Guidelines Committee**  
Babu G. Welch, (Chair)

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Kimon Bekelis (2019)  
Grahame Gould (2019)  
Ketan Bulsara (2019)  
Mark Bain (2020)  
Jason Ellis (2020)  
Christophe Griessenauer (2020)  
Bradley Bohnstadt (2021)  
Justin Mascitelli (2021)  
Christopher Kellner (2021)



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



The above top three will be rotating off this year

There was a guideline that came out that they wanted us to review. The other interesting thing is that CTA and CP should be clarified.

**MOC/Vascular Update**

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Dr. Adnan Siddiqui



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



No report

## SNIS Update

### Board of Directors

<i>Adam Arthur, MD</i>	<i>Blaise Baxter, MD</i>
<i>Richard Klucznik, MD</i>	<i>Donald Frei, MD</i>
<i>William Mack, MD</i>	<i>Mahesh Jayaraman, MD</i>
<i>G. Lee Pride, MD</i>	<i>J Mocco, MD</i>
<i>Guilherme Dabus, MD</i>	<i>Sandra Narayanan, MD – ex officio</i>
<i>Michael Chen, MD</i>	<i>Felipe Albuquerque, MD – ex officio</i>
<i>James Milburn, MD</i>	<i>Sameer Ansari, MD, PhD – ex officio</i>
<i>Peter Kan, MD</i>	
<i>Gabor Toth, MD</i>	

## Cooperative Projects

- *Brain Attack Coalition – Stroke care issues*
- *Cerebrovascular Coalition – Neurovascular issues*
- *ACGME Endovascular Surgical Neuroradiology Fellowship/CAST*
- *Meeting programming*
- *Standards*

### Standards of practice in acute ischemic stroke intervention: international recommendations

Laurence Perner,<sup>1</sup> Mahesh V. Jayaraman,<sup>2</sup> Navin Ujjwala,<sup>3</sup> Antonio A. Nogueira,<sup>4</sup> Blake Baxter,<sup>5</sup> Shigeno Miyachi,<sup>6</sup> Jayalochamy Mahadevan,<sup>7</sup> Windsor Ching,<sup>8</sup> Peter J. Mitchell,<sup>9</sup> Alan Coulthart,<sup>10</sup> Howard A. Rowley,<sup>11</sup> Pius C. Sorall,<sup>12</sup> Donatella Sampieri,<sup>13</sup> Patrick A. Brozoski,<sup>14</sup> Jens Fiehler,<sup>15</sup> Marc Koehn,<sup>16</sup> Pedro Vial,<sup>17</sup> Alex Rovina,<sup>18</sup> Uky Focher,<sup>19</sup> Valeria Carré,<sup>20</sup> Bart van der Worp,<sup>21</sup> Motonori Sakai,<sup>22</sup> Raji Mattumuri,<sup>23</sup> Sho-ichi Yoshimura,<sup>24</sup> René Ammannat,<sup>25</sup> Herbert Deuel,<sup>26</sup> Luisa Bazzani,<sup>27</sup> and Manuel Puma,<sup>28</sup> Orlando Diaz,<sup>29</sup> Justin F. Pross,<sup>30</sup> Kala Lindem,<sup>31</sup> David S. Lieberkind,<sup>32</sup> Raul G. Nogueira,<sup>33</sup> Werner Hacke,<sup>34</sup> Melissa Bazzani,<sup>35</sup> Bernard Yin,<sup>36</sup> Michael Soderman,<sup>37</sup> Alan Taylor,<sup>38</sup> Srinivas Pongweh,<sup>39</sup> Indranga Kavel,<sup>40</sup> Asian-Australian Federation of Interventional and Therapeutic Neuroradiology (AAITN), Australasian New Zealand Society of Neuroradiology (ANZSNR), American Society of Neuroradiology (ASNR), Canadian Society of Neuroradiology (CSNR), European Society of Minimally Invasive Neurological Therapy (ESMINT), European Society of Neuroradiology (ESNR), European Stroke Organization (ESO), Japanese Society for NeuroEndovascular Therapy (JNET), The French Society of Neuroradiology (SFNR), Inter-Latin American Society of Diagnostic and Therapeutic Neuroradiology (ILAN), Society of Neurointerventional Surgery (NIS), Society of Vascular and Interventional Neurology (SVIN), World Stroke Organization (WSO), World Federation of Interventional Neuroradiology (WFIN).



- *Governing Council has been formed:*
  - Ø From QOD: Adam Arthur, Sander Connolly & Kevin Cockcroft
  - Ø From NVQI: Sameer Ansari, Shazam Hussain & J Mocco
- *Working to integrate the two registries*
- *We look forward to reporting on this further in future meetings*



- Launched in May 2016
- Campaign is focused on organizing stronger stroke systems of care nationwide.
- Goal is to enact legislative change in all 50 states requiring EMS to take ischemic stroke patients with large vessel occlusion to neurointerventional-ready hospitals with 24/7/365 coverage.

## Meetings

AANS/CNS Joint CV Section Annual Meeting  
February 4-5, 2019  
Honolulu, HI

AANS/CNS Joint Cerebrovascular Section ANNUAL MEETING  
Programming in conjunction with AANS

Final attendance: 413



SNIS 16<sup>th</sup> Annual Meeting  
July 22-25, 2019  
Miami, FL



## Publications - Journal Update

*Initial publication July 2009 as a quarterly journal*

*Indexed in Thomson-Reuters 2010*

*2017 Impact factor 3.524*

*Pub Med/Medline indexing September 2011*

*Editor-in-Chief, Felipe C. Albuquerque, MD*



## Societal Converging Goals

- *Pay for performance evaluation and issues*
- *Medicare reductions in payment*
- *Standards of practice – stroke, carotids, aneurysms*
- *Defining the appropriate randomized trials*
- *Coding*
- *“Comprehensive Stroke Center” designation*
- *Refining standards of training in Endovascular (CAST)*
- *Generating resident interest in Neurovascular*

## SNIS Update Summary

*Healthy membership growth of this multi-disciplinary society*

*Successful annual meetings and continued involvement with CV Section*



Meeting Chairman  
 Lucas Elijevich  
[lelijovich@semmes-murphy.com](mailto:lelijovich@semmes-murphy.com)  
 Cell 646-831-6584

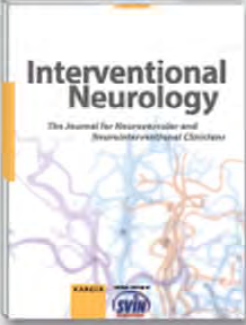
The next SVIN meeting is in November.

*An excellent international forum on the study of endovascular techniques and other interventional procedures*

# Interventional Neurology

**Editors**  
 X. Liu, Nanjing  
 R.G. Nogueira, Atlanta, GA  
 M. Ribo, Barcelona

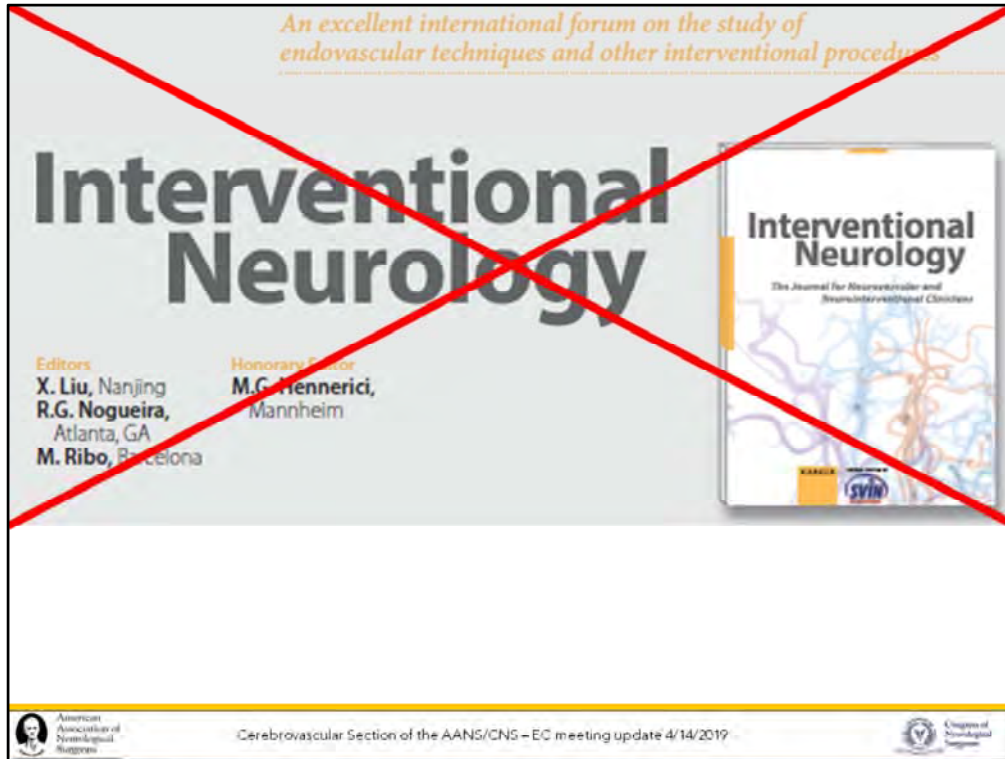
**Honorary Editor**  
 M.G. Hennerici, Mannheim



**Interventional Neurology**  
 The Journal for Neurovascular and Neurointerventional Clinicians

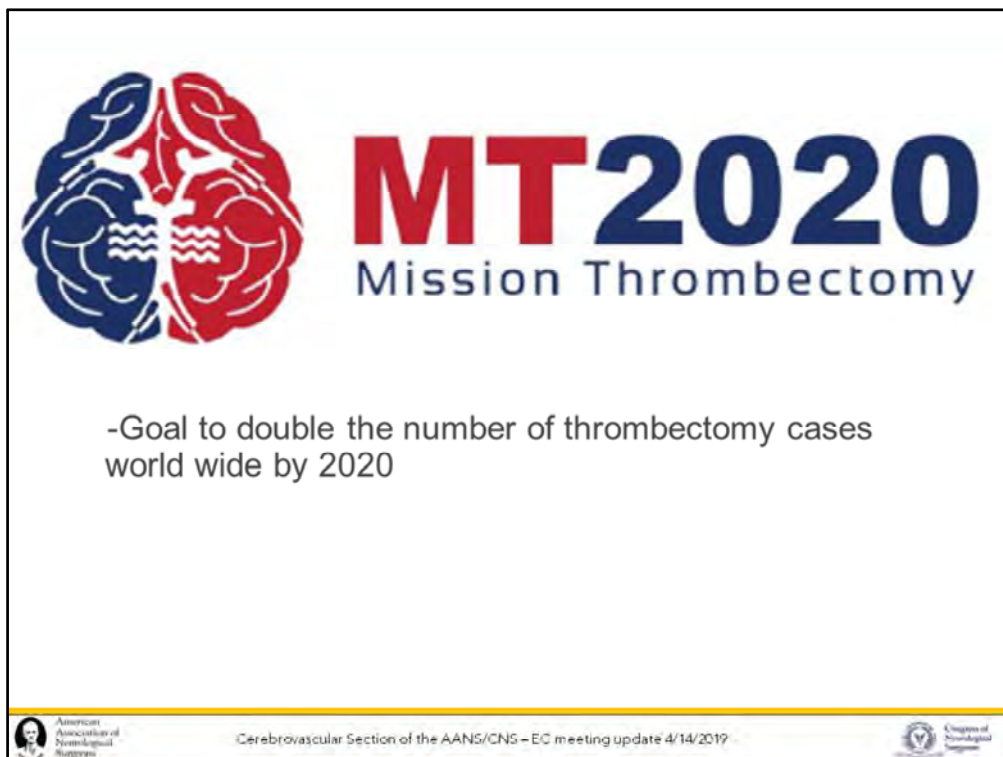
AANS/CNS SVIN

American Association of Neurological Surgeons Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



They are officially looking for a new journal to be affiliated with.

J Mocco: JNS Reached out to them and offered to partner with them, and they said no.



## International Liaison Mika Niemelä

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EANS vascular and ESMINT, Nice September 4-6, 2019

-5 AANS/CNS speakers and 5 moderators

-Joint day the 4<sup>th</sup>, EANS vascular 5-6<sup>th</sup>



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Newsletter Committee

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Dr. Ducruet

-Verbal Report



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019





# YNS Liaison

Dr. Brian Howard



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019




**AANS Young Neurosurgeons Committee  
AANS/CNS Joint Cerebrovascular Section  
Honored Guest Luncheon**

Monday, April 15<sup>th</sup> 2019  
1:30 – 2:30 PM  
Marriott Marquis San Diego Marina  
Mission Hills Room

Lunch will be served

**Honored Guest:**  
**Felipe C. Albuquerque, MD**  
Evie and Lou Grubb Neurovascular Research Chair  
Editor-in-Chief, *JNIS*  
Director Endovascular Neurosurgery  
Barrow Neurological Institute



"Reflections on an Endovascular Neurosurgical Career at the Halfway Point"

RSVP/Info: [brian.howard@emory.edu](mailto:brian.howard@emory.edu)



Tomorrows our second annual YNS Luncheon

## Resident & Fellow Courses

Dr. Kellner  
 Dr. Binning  
 Dr. Arthur  
 Dr. Mascitelli



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



## Combined Fellows Course

### Directors

- Violiza Inoa
- Justin Mascitelli

### Meetings

- CV Section
- SNIS

### Preliminary Program

*This is a preliminary program and is subject to change.*

#### Sunday, February 3, 2019

9:00 am - 12:00 noon Hands-on Labs and Brunch

#### Monday, February 4, 2019

7:00 am - 8:00 am Breakfast

#### DIDACTIC SESSION

8:00 am - 8:05 am Introduction/Welcome, Violiza Inoa, MD & Justin Mascitelli, MD

8:05 am - 8:25 am Examining Potential Job Opportunities, Rafael Davis, MD

8:25 am - 8:45 am Balancing an Academic & Clinical Career, Michael Levitt, MD

8:45 am - 8:50 am Panel Discussion: Neuroangiography Pearls, Johannes Fijl, MD

8:50 am - 9:10 am Acute Stroke: Patient Selection & Extended Window, Adnan Siddiqui, MD, PhD

9:30 am - 9:50 am Challenging Thrombectomy: Tandem Occlusions & Acutely Symptomatic ICAD, Raul Quinones, MD

9:50 am - 10:05 am Interactive Case Discussion

10:05 am - 10:15 am Break

#### DIDACTIC SESSION

10:15 am - 10:35 am Brain Aneurysms: Endovascular Strategy, Alejandra Spotts, MD

10:35 am - 10:50 am Flow Diversion: Indications & Technical Pearls, Adam Arthur, MD

10:50 am - 11:10 am A Treatment Approach to Arteriovenous Malformations, David Fiorello, MD, PhD

11:10 am - 11:30 am Arteriovenous Fistulas: The Basic Concepts of Endovascular Treatment, Richard Klucznik, MD

11:30 am - 11:45 am Tumor Embolization, Mimi Bhat, MD

11:45 am - 12:00 pm An Endovascular Approach to Venous Disease, Jason Davies, MD

12:00 pm - 12:15 pm Interactive Case Discussion

12:15 pm - 1:00 pm Lunch

#### DIDACTIC SESSION

1:00 pm - 1:20 pm Emerging Devices & Techniques, Eric Peterson, MD

1:20 pm - 1:40 pm Risk Management & Complications, Daniel Hoyt, MD

1:40 pm - 1:55 pm Complication Case Discussion, Rose Algran, MD

1:55 pm - 2:00 pm Discussion/Questions/Concluding Remarks



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



JM: We had a successful fellows course at the CV Section. We're beginning to plan the same fellows course for the SNIS meeting.

# 3C Meeting June 9 -12, 2019

## COMMITTEE

Rene Chapot, MD  
Joost De Vries, MD PhD  
Dan Holt, MD  
Italo Linfante, MD  
Victor Mendes Perelra, MD  
Ansaar Rai, MD  
Clemens Schirmer, MD PhD  
Satoshi Tateshima, MD  
Quill Turk, MD



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Adnan Siddiqui: The meeting is a little earlier this year.

**RENDEZVOUS LODGE**  
TOP OF THE GONDOLA  
TETON VILLAGE - WY  
**JUNE 9-12**  
Hotel Block at HOTEL TERRA

**CEREBROVASCULAR  
COMPLICATIONS  
CONFERENCE 2019**

MEETING SERVICES  
JIMEETINGS.ORG

**CONFERENCE CO-DIRECTORS**

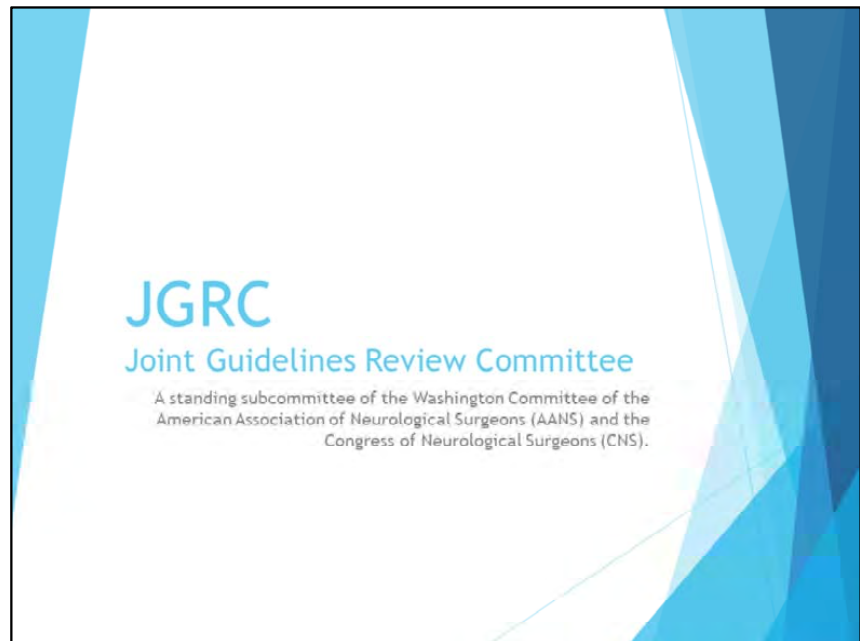
 <b>Joey English, MD PhD</b> California Pacific Medical Center Hospitals	 <b>David Fiorella, MD PI</b> Stony Brook University Medical Cen	 <b>Tufail Patankar, MD PI</b> Leeds Teaching Hospitals NHS Tr	 <b>Babu Welch, MD</b> UT Southwestern Medical Center
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American Association of Neurological Surgeons

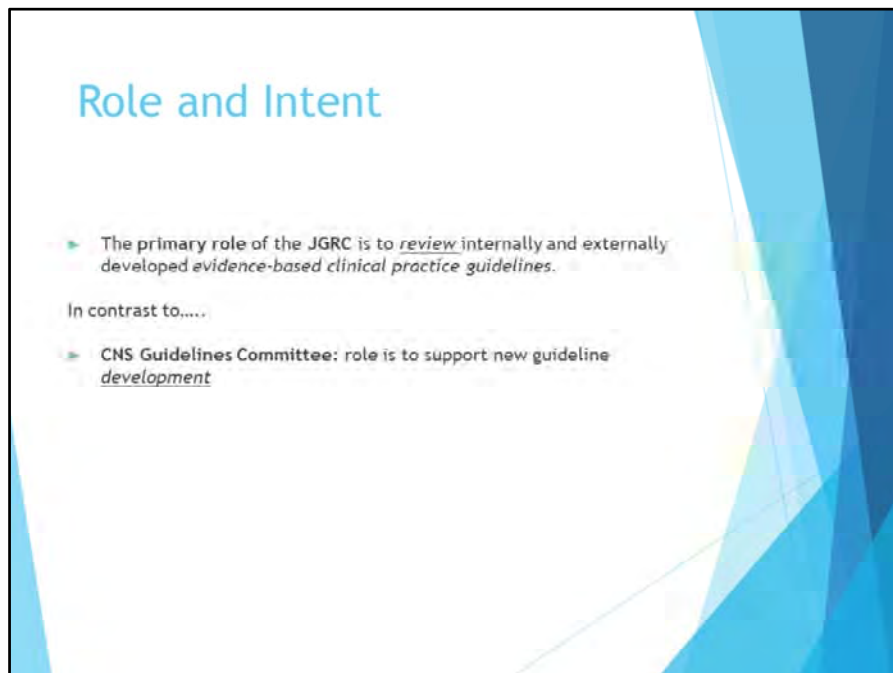
Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019

Congress of Neurological Surgeons

# New Business



The JGRC, which all sections participate, went through a process of updating their governance process. A new administrator has also joined the JGRC.



CPG = Clinical Practice Guidelines

The JGRC is the body that is asked to review guidelines, and make a recommendation.



## Role and Intent

### JGRC

- ▶ Serve as both *subject matter* and *methodology* experts reviewing evidence-based medicine (EBM) guidelines
  - ▶ AANS/CNS subspecialty section guidelines
  - ▶ External evidence-based guidelines (e.g. AHA/ASA, NCS, AAN)
- ▶ Recommend approval or revisions prior to approval by AANS Board of Directors and CNS Executive Committee
- ▶ Route non-EBM documents to subspecialty sections for review by the Section Guideline Committee (to recommend approval or revision to AANS' BOD and CNS EC)

CPG = Clinical Practice Guidelines

JGRC: now having a new admin can be a good point of communications to help sections corral things back to the parent organizations

## JGRC Endorsement Wording: EBM guidelines

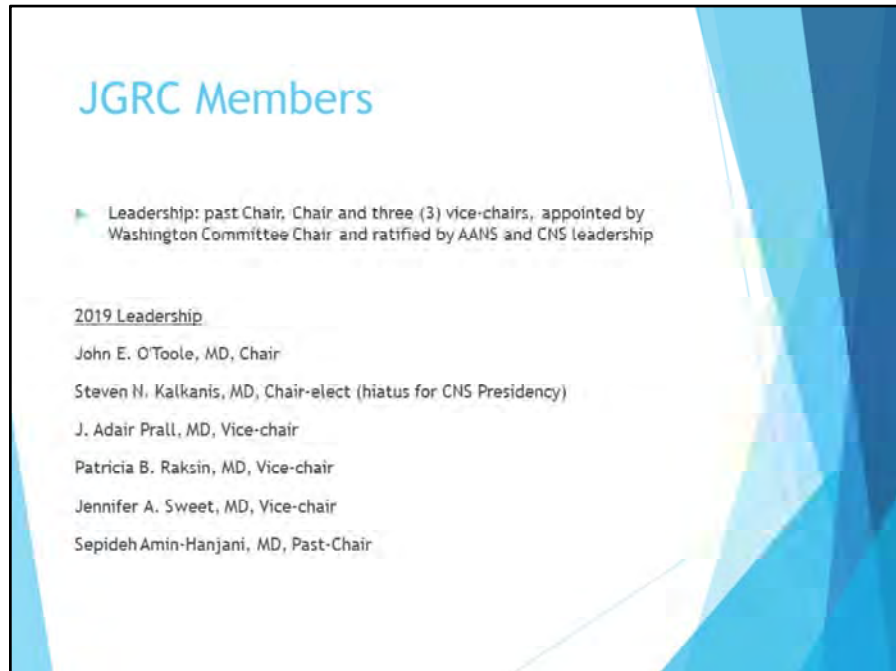
- ▶ **JGRC Full Endorsement language:**
  - ▶ "Reviewed for evidence-based integrity and endorsed by the American Association of Neurological Surgeons and Congress of Neurological Surgeons."
- ▶ **JGRC Partial Endorsement (substantial agreement, but still some concerns):**
  - ▶ "The American Association of Neurological Surgeons and Congress of Neurological Surgeons affirm the educational benefit of this document."

## Section Endorsement Wording: non EBM documents

- ▶ **Section Affirmation** (after parent organization approval):
  - ▶ "The American Association of Neurological Surgeons/Congress of Neurological Surgeons [*insert joint section name*] affirms the educational benefit of this document."

## No Endorsement Wording

- ▶ **Section Review** (not approved):
  - ▶ "This document was reviewed, but not endorsed by the American Association of Neurological Surgeons/Congress of Neurological Surgeons [*insert joint section name*]."
- ▶ **JGRC Review** (not approved):
  - ▶ "This document was reviewed, but not endorsed by the American Association of Neurological Surgeons and Congress of Neurological Surgeons."



First bullet point notes : Additional liaisons will be appointed from the CNS guidelines committee and other specialty organizations as needed. Each section/entity is allotted 1-9 appointees based on the size of their membership and guideline productivity. Each term is three years in length and may be renewed at the direction of the nominating entity.

Third bullet point notes: EBM = Evidence Based Medicine, Members may also provide evidence of equivalent prior training. This training must be documented before participation in review activities for the JGRC.

There is an attempt made within leadership to retain section leadership. It is important to think about folks who would be good candidates to go down the JGRC Leadership path, which is a lengthy path (8-10 years)

## JGRC Members

- ▶ Representatives nominated by the leadership of Joint Sections, CSNS, YNC, and AANS/CNS Coding & Reimbursement
  - ▶ 3 year renewable terms (nominated by CNS meeting, start terms in Jan)
  - ▶ CV section has 9 representatives

Kimon Bekele	Cerebrovascular Section		2019
Grahame Gould	Cerebrovascular Section		2019
Ketan Butala	Cerebrovascular Section		2019
Babu Welch	Cerebrovascular Section	CV section Guideline Committee Chair	2020
Mark Bain	Cerebrovascular Section		2020
Christoph Griesenauer	Cerebrovascular Section		2020
Kyle Fargen	Cerebrovascular Section		2021
Christopher Kellner	Cerebrovascular Section		2021
Rohan Chitale	Cerebrovascular Section		2021

- ▶ Section's Guidelines Committee Chair is considered primary contact between JGRC and Section Leadership
- ▶ Members must participate in EBM training, participate in guidelines reviews and sign a COI for each guideline they review

First bullet point notes : Additional liaisons will be appointed from the CNS guidelines committee and other specialty organizations as needed. Each section/entity is allotted 1-9 appointees based on the size of their membership and guideline productivity. Each term is three years in length and may be renewed at the direction of the nominating entity.

Third bullet point notes: EBM = Evidence Based Medicine, Members may also provide evidence of equivalent prior training. This training must be documented before participation in review activities for the JGRC.

Each representative has a term, which is renewable, in that request the JGRC will indicate if those people have been active or not. If someone is chosen as a section guidelines chair, it makes sense to have that person be added to the JGRC.

Individuals do need to undergo some training, they are asked to volunteer as experts for all types of documents. It's important to have people who understand their role is multifunctional.

## Role and Intent

### JGRC also

- Facilitate communication regarding guidelines topics to and from the subspecialty sections' representatives
- Provide representatives to work with outside professional organizations producing multidisciplinary guidelines in areas related to neurosurgical practice
- Serving as a resource for the Washington Office and AANS/CNS leadership, regarding evidence-based guidelines

## JGRC Staff Support

- ▶ The JGRC is staffed by a consultant administrator
  - handles communications between the JGRC and Joint Sections, Washington Committee, AANS/CNS leadership, and other appropriate neurosurgical committees or organizations
  - track ongoing projects
  - identify neurosurgical volunteers to serve on writing committees
  - to ensure that the AANS and the CNS are consulted at an early stage on projects relevant to neurosurgery.
- ▶ Contact Info: Kirsten H. Aquino [khahnaquino@gmail.com](mailto:khahnaquino@gmail.com)

Notes: Suggest people make note of contact info and encourage them to keep JGRC in the loop on any Guidelines related efforts.

# Strategic Planning

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Dr. Mocco



Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



New business Item: Clemens Schirmer, there is a focus month, vascular, Justin Singer would like to feature a video about stroke. We'd like to see who is interested in participating in this. We'll try to follow this up with an email as well.

Thank you!

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Cerebrovascular Section of the AANS/CNS – EC meeting update 4/14/2019



Motion to adjourn made at 3:47pm, second by J Mocco.