

# Joint CV Section Executive Council Meeting

## Colorado Springs, CO

### Tuesday, July 25, 2021

### Meeting began at 4:30pm MST

## Meeting Agenda

### Officer & Standing Committee Updates

Minutes from the CV Section 2020 Virtual Meeting (Dr. Tjoumakaris)  
Treasurer's Report (Dr. Arthur)  
Fundraising Committee (Dr. Arthur)  
Membership Update (Dr. Kellner)  
Nominating Committee (Dr. Welch)  
Bylaws/Rules & Regulations Committee (Dr. Bulsara)  
Research Committee (Dr. Levitt, Dr. Huang)  
Communications Committee (Dr. John Karl Burkhardt)  
Website Committee/Newsletter/Social Media (Dr. Mascitelli)

### Annual Meeting Updates

2021 AANS Meeting (Drs. Kellner, Fennell)  
2021 ISC (Drs. Kan, Levitt, Fraser)  
2021 CV Sect/SNIS (Dr. Osbun, Kellner)  
2021 CNS Meeting (Drs. Kellner, Fennell)  
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. Tjoumakaris)

### Project Updates

Cerebrovascular Coalition, (Amin-Hanjani)  
DAISI (Dr. Siddiqui)  
Washington Committee (Katie Orrico, Dr. Woo)  
Coding & Reimbursement (Dr. Schirmer, Dr. Woo)  
Brain Attack Coalition (Dr. Cockroft)  
IAC-Carotid Stenting (Dr. Cockroft, Dr. Patel)  
NVQIQOD (Dr. Siddiqui, Connolly, Cockroft)  
NESAC/CESAC Liaison (B. Hoh, H. Riina, A. Siddiqui, A. Arthur, W. JGC/CV Section Guidelines Committee (Dr. Bulsara)  
International Liaison (Dr. Korja, Welch)  
Resident and fellow courses (Drs. Kellner, Binning, Arthur, Mascitelli)  
Neurocritical Care Society Liaison (Stephan Munich)  
Neurotrauma Section Liaison (J. Grossberg)  
YNS Liaison (Dr. Kunal Vakharia)  
SNIS update (Dr. Mack)  
SVIN Liaison (Dr. Jankowitz)  
3C meeting (Dr. Siddiqui)  
AHA Scientific Oversight Writing Group (W. Mack)

### New Business

Strategic Planning (Dr. Siddiqui)



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Dr. Tjoumararis called for a motion to approve the minutes, a motion was made to approve the minutes made, the motion was 2nd, minutes were approved.

## Minutes (from Spring 2020 Virtual Meeting)

DR. STAVROPOULA TJOMAKARIS



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# Treasurers Report

DR. ADAM ARTHUR



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AANS/CNS Cerebrovascular Section  
Statement of Financial Position  
6/30/2021

	FY 18 Final	FY19 Final	FY20 Final	FY 21 YTD - PRELIM	FY 21 Budget	FY 21 YTD - PRELIM	FY 22 YTD - PRELIM	Budget	
Revenues						COMMENTS			
Membership Dues	64,164.	64,538.	57,976.	74,913.	67,545.		69,075.		
Contributions/Sponsorships	40,293.	30,000.	40,500.	20,000.	40,000.		Toshiba(\$15k); KLS(\$5k)	35,000.	
AANS/CNS support Finance & Membership Staff Time	0.	100,200.	0.	0.	0.	9,825.	10,262.	13,580.	12,961.
Training Course	0.	304,142.	395,558.	6,359.	24,293.	360,000.	0.		
Annual Meeting Revenue	415,498.	598,265.	114,660.	129,468.	481,125.		Sliding scale of revenue from the SNIS Annual Meeting	360,000.	
Total Revenue and Support							477,036.		
Expenses									
Audio Visual	11,074.	8,869.	3,053.	379.	11,000.		15,000.		
Bank Fee	1,318.	824.	1,256.	1,226.	1,300.	2,072.			
Contributions & Affiliations	30,000.	50,000.	265,000.	35,000.	50,000.		"Washington Committee; \$10kBrain Anerysm Foundation; \$5kNREF;\$20k"	50,000.	
Facility	0.	100.	0.	0.	0.	0.			
Food & Beverage	11,174.	22,219.	11,765.	0.	11,500.		17,20.		
Honoria & Awards	46,777.	41,299.	34,434.	30,699.	45,000.		"Dempsey 2 @ \$15k=\$30kLuesenhopp; \$1kAward; 699"	48,000.	
Office & Other Supplies	53.	100.	0.	0.	0.	0.	0.		
Photocopy	0.	0.	0.	0.	0.	0.			
Postage & Distribution	219.	635.	203.	0.	250.		300.		
Printing/Typesetting	0.	0.	0.	0.	0.		0.		
Newsletter Professional Fees	58.	132.	0.	0.	0.		0.		
Legal Fees	0.	910.	0.	0.	0.		0.		
Website	1,260.	4,135.	7,228.	348.	3,500.	15,000.	3,600.	15,000.	
Administrative Assistance	14,365.	18,459.	8,458.	959.	15,000.				
Telephone	1,114.	0.	23.	0.	1,000.	500.			
Volunteer Travel	1,653.	384.	4,718.	0.	2,000.		2,000.		
Tours/Transportation	232.	0.	0.	0.	1,000.		500.		
Staff Coordination	7,416.	7,983.	9,881.	13,345.	16,652.		13,393.		
Training Course Expense	0.	42,702.	0.	0.	0.		0.		
Annual Meeting Expense	286,162.	364,265.	0.	0.	320,000.		350,000.		
Total Expense	412,875.	562,011.	347,029.	81,956.	478,202.		517,615.		
Investment Earnings	56,934.	87,422.	15,833.	221,547.	0.		37,000.		
Net Excess (Loss)	59,557.	123,676.	(216,536.)	269,059.	2,923.		(3,579.)		

AA – We are doing quite well and made a profit, despite not having a meeting in 2020.

AANS/CNS Cerebrovascular Section  
Statement of Financial Position  
6/30/2021

	Current Year 6/30/2021 PRELIM	Prior Year 44012
<b>Assets</b>		
Checking & Short Term Investments		296,403,208,447.
Accounts Receivable, net of Allowance for Uncollectible Accounts	8,497.	56,850.
Prepaid Expenses	46.	0.
Long-Term Investment Pool, at Market	1,027,077.	805,530.
<b>Total Assets</b>	<b>1,332,022.</b>	<b>1,070,826.</b>
<b>Liabilities and Net Assets</b>		
<b>Liabilities</b>		
Accounts Payable and Current Liabilities	0.	31,000.
Deferred Dues	41,848.	38,712.
<b>Total Liabilities</b>	<b>41,848.</b>	<b>69,712.</b>
<b>Net Assets</b>		
Unrestricted	801,867.	1,018,404.
Unrestricted - Donaghy	65,903.	65,903.
Unrestricted - Galbraith	32,999.	32,999.
Unrestricted - Leussenhop	19,119.	19,119.
Unrestricted - Drake	10,288.	10,288.
Unrestricted - Yasargil Lectureship	70,939.	70,939.
<b>Net Revenue (Expense)</b>	<b>269,059.</b>	<b>(216,537.)</b>
<b>Total Net Assets</b>	<b>1,270,174.</b>	<b>1,001,115.</b>
<b>Total Liabilities and Net Assets</b>	<b>1,312,022.</b>	<b>1,070,826.</b>



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AA-Total net assets are at 1million dollars. I don't know that the section needs to be sitting on 1 million dollars. The consensus is we want to be looking for ways to benefit membership and make more offerings, financially.

Sharing our meeting with SNIS is likely to be better financially for the section than vs. holding the meeting on our own. We can spend money on other things if we desire.



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## Membership Committee

DR. CHRISTOPHER KELLNER

CV Section Membership Statistics						
Membership Class	Subclass	2021 Dues	2021	2020	2019	2018
Active	01S	\$150	464	435	430	395
Adjunct/Associate	60D	\$100	60	57	59	40
International	40S	\$50	99	90	81	67
Lifetime/Senior	35S	\$0	12	103	107	110
Medical Student	15M	\$0	11	13	14	18
Resident	50R	\$0	2124	2050	1917	1827



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CK: There is a steady trend of an increase in membership. We will go through and update the list of resident members, as some of the 2,124 have gone onto other specialties but are still accounted for. This is a goal of the membership committee over the next couple weeks.

What should 2022 Membership Dues be set at? Similar organizations are at \$100 - \$150, and CV is on the higher end at \$150. No reason to change.

Membership Committee will work closely with the new Communications Committee to plan a combined approach of increasing membership and membership engagement.

Include gender statistics on this slide for the next meeting.



## Nominating Committee Report

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The results of the 2021 election are:

Chair-Elect: William Mack

Vice Chair: Andrew Ringer

Secretary: Stavropoula Tjoumakaris

Member-at-Large: Brian Howard

Nominating Committee: Justin Fraser



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The above slide was reviewed.

AS: Congratulations to the new slate of Officers. I wanted to note that it is expected that when you get nominated and you accept the position, that you also commit to make an effort to be present at the Annual Meeting. This is the only meeting of the year and we really need to encourage members of the section to attend. There is no excuse for officers of the section to not show up for only meeting of the year.



## Bylaws/Rules & Regulations Committee

DR. KETAN BULSARA

### Proposed Changes

**THAT** the following Rules and Regulation currently enacted:

#### ARTICLE VII

##### Section 1

Website Committee. This Committee is responsible for the online media presence of the Section. The Committee shall consist of the Chair appointed by the Executive Council, serving a term of three years, renewable for additional terms, and other members as necessary.

Newsletter Committee. This committee oversees the production and publication of the Section Newsletter on a regular basis. The Committee shall consist of the Chair appointed by the Executive Council, serving a term of three years, renewable for additional terms, and other members as necessary.



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### Proposed Changes

**SHALL** be amended to the following:

#### ARTICLE VII

##### Section 1

Communications Committee (includes website, social media, and newsletter) is responsible for the online media presence of the Section and will oversee the production and publication of the Section Newsletter on a regular basis. The Committee shall consist of the Chair appointed by the Executive Council, serving a term of three years, renewable for additional terms, and other members as necessary.



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KB: There are 3 proposals to amend bylaws.

1. Combine Social Media, Website and Newsletter Committees into 1 Communications Committee, which will be responsible for all media presence, communications, newsletter and any other similar areas. The chair of the Communications Committee will be appointed by the Executive Committee.

## Proposed Changes

THAT the following Rules and Regulation currently enacted:

### ARTICLE VII

#### Section 1

The Dacey Medal Selection Committee. This committee is responsible for the nomination process and the selection of the annual winner of the "Ralph G. Dacey, Jr. Medal for Outstanding Cerebrovascular Research". The purpose of this award is to highlight the importance of cerebrovascular research to our specialty, foster scientific investigation in the areas of stroke and cerebrovascular disease, and recognize neurological surgeons who have made novel, outstanding, and continuous 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

The above slides for the Dacey Medal were reviewed.



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required for consideration. Active clinical practice is not required.

The Dacey Medal 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 Dacey Medal 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, solicitation of nominations for the upcoming Dacey Medal Award will be sent to the Department Chairs of North American Neurosurgical Training Programs (USA and Canada) and to the Joint Cerebrovascular Section Membership. The 2018 (Inaugural) Ralph G. Dacey, Jr Medal for Outstanding Cerebrovascular Research was awarded to its namesake in February, 2018.



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The composition of the Dacey Medal Selection Committee will be five (5) members as follows:  
Committee Chair: Three-year term appointed by the Executive Council. Candidates for the committee chair are required to be past Dacey Medal winners.  
Senior Neurosurgeon-Investigator Member: Three-year term appointed by the Executive Council. Candidates for this position must be established neurosurgeon-investigators with active NIH (or similar) funding. The candidate may not be an active or incoming 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 Dacey Medal winners who have not served as chair of this committee are eligible for this position. The first appointee to this position will have a term of only two years so that both the Committee Chair and the Senior Neurosurgeon-Investigator Member will not both be up for re-appointment in the same year.



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CV Section Chair at the time of the Dacey Medal Presentation.  
Immediate Past CV Section Chair at the time of the Dacey Medal Presentation.  
Past-Past CV Section Chair at the time of the Dacey Medal Presentation.

#### Additional Dacey Medal Eligibility Requirements:

The Dacey Medal may not be awarded twice to the same individual no matter how deserving.  
Self-nominations for the Dacey Medal are not accepted.  
Active CV Section Executive Council members and Dacey Medal Nominations Committee members are not eligible for the award while holding those positions



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The official name of the Dacey Medal will be the "Ralph G. Dacey, Jr. Medal for Outstanding Cerebrovascular Research". The official name may not be changed.

Funding for the Dacey Medal award will be maintained by the Joint Cerebrovascular Section under the care of the Treasurer to the Executive Council. Funding will include the ability to acquire and engrave the medal itself and to make a cash award to the recipient in the amount specified by the current Dacey Medal SOP.



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THAT the following Rules and Regulation currently enacted:

**ARTICLE X**

**Awards and Lectureships**

The Executive Council may, under the regulations which it adopts, offer awards for investigations, contributions, or developments in areas of interest to the Section. The cost of such awards may be defrayed from funds of the Section or from any funds which may be donated, entrusted, or bequeathed to the Section for such purposes. The Executive Council may sponsor an invited lectureship during each scientific session of the aforementioned three annual meetings. The cost of honorariums and any other such associated expenses will be borne by the Section.

The above slide was reviewed, which is a separate article that addresses awards and lectureships

2. Create a Research Award Committee, which will oversee all awards offered by the CV Section. The Chair of this committee will be appointed by the Executive Committee and will serve a 3 year term.

SHALL be amended to the following:

**ARTICLE VII**

**Section 1**

Research Awards Committee will:

(a) Oversee the awards offered by the Section for investigations, contributions, or developments for the Section in areas of interest to the Section. The cost of such awards may be defrayed from funds of the Section or from any funds which may be donated, entrusted, or bequeathed to the Section for such purposes. The Executive Council may sponsor an invited lectureship during each scientific session of the aforementioned three annual meetings. The cost of honorariums and any other such associated expenses will be borne by the Section. The Committee shall consist of the Chair appointed by the Executive Council, serving a term of three years, renewable for additional terms, and other members as necessary.

(b) The Ralph G. Dacey, Jr. Medal for Outstanding Cerebrovascular Research award (Dacey Medal) is to highlight the importance of cerebrovascular research to our specialty, foster scientific investigation in the areas of stroke and cerebrovascular disease, and recognize neurological surgeons who have made novel, outstanding, and continuous contributions to the basic, translational, and/or clinical understanding of cerebrovascular disease. The Chair of the Research Awards Committee with oversight from the Executive Council will confirm adherence to the standard of operations (SOP) for the Dacey Medal (Attachment 1). As noted in the SOP, amendments to the SOP must be approved by the Executive Council and must not contradict or supersede any requirements stated within it.

3. To preserve stipulations when the Dacey Medal was created, the Chair of the Research Committee (with oversight from the EC) will abide by the separate SOP document for the Dacey Medal. This will ensure that, in no way, will the original stipulations of the award be compromised.

4. ST: The timeline in the Bylaws for election of officers revolved around the old meeting timeframe, which was held in Winter. Thank you, Adnan, for updating the bylaws to reflect the new meeting timeline, in conjunction with SNIS.

The Bylaws have been amended based on the new meeting with SNIS, all proper changes are included. This change has been voted on by all members.

## Bylaws Change

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**THAT** the following Rules and Regulation currently enacted:

**ARTICLE V**  
**Section 11**

Elections for Officers, Members-at-Large and Nominating Committee Members.

Elections to the Offices of Chair-Elect, Vice-Chair, Secretary, Treasurer and the Members-at-Large and Nominating Committee Members shall proceed according to the procedure and approximate timeline herein:

1) September 1 of the year preceding election. The Nominating Committee will call for suggestions for nominations from the Section membership for Offices open for election *(with a list of eligible members qualified to hold office)*.

2) November 1 of the year preceding election. Deadline for all suggestions for nomination for all offices.



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3) November 15 of the year preceding the election. Each candidate will be contacted and asked to submit their CV and a statement in support of his/her respective candidacy to the Nominating Committee Chair by November 28.

4) December 15 of the year preceding election. Qualified candidates for each office are confirmed. Following discussion and voting by the Nominating Committee, the Chair of the nominating committee shall submit, in writing, the proposed candidates for office and their statements of candidacy to the general membership for consideration. The slate of officers must consist of at least one candidate per post but consideration should be given to offer the membership more than one candidate for the position of Secretary or Treasurer and multiple candidates for Member-at-Large and Nominating Committee positions if more than one candidate is available.


5) Additional nominees, with appropriate qualifications (*vide supra*), can be placed on the ballot with the support of 20 or more active members of the section. The petition must be submitted in writing to the Nominating Committee along with the candidate's respective Vita and a statement in support of their candidacy. The submission must be received by the Chair of the Nominating Committee by December 31. The Nominating Committee will confirm the qualifications of the candidate and the authenticity of the petition signatures. Once confirmed, the candidate will be added to the ballot.

6) January 15 of the election year. The final slate of candidates for election will be submitted to the membership


7) February 1 of the election year. Electronic ballots will be cast by the Active membership for each candidate.

8) April 1 of the election year. The nominating Committee shall announce to the general section membership, in writing, the results of the election

9) Conclusion of the AANS Annual Meeting. New Officers ascend to their respective posts.



Cerebrovascular Section of the AANS/CNS – EC meeting update  
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**SHALL** be amended to the following:

**ARTICLE V**  
**Section 11**

Elections for Officers, Members-at-Large and Nominating Committee Members.


Elections to the Offices of Chair-Elect, Vice-Chair, Secretary, Treasurer and the Members-at-Large and Nominating Committee Members shall proceed according to the procedure and approximate timeline herein:

1) March 1st of the election year. The Nominating Committee will call for suggestions for nominations from the Section membership for Offices open for election *(with a list of eligible members qualified to hold office)*.


2) April 1st of the year of the election. Deadline for all suggestions for nomination for all offices.

3) April 15th of the year of the election. Each candidate will be contacted and asked to submit their CV and a statement in support of his/her respective candidacy to the Section Administrator by May 1st.

4) Additional nominees, with appropriate qualifications (*vide supra*), can be placed on the ballot with the support of 20 or more active members of the section. The petition must be submitted in writing to the Nominating Committee along with the candidate's respective Vita and a statement in support of their candidacy. The submission must be received by the Chair of the Nominating Committee by May 1st. The Nominating Committee will confirm the qualifications of the candidate and the authenticity of the petition signatures. Once confirmed, the candidate will be added to the ballot.



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5) May 15th of the year of the election. Qualified candidates for each office are confirmed. Following discussion and voting by the Nominating Committee, the Chair of the nominating committee shall submit, in writing, the proposed candidates for office and their statements of candidacy to the general membership for consideration. The slate of officers must consist of at least one candidate per post but consideration should be given to offer the membership more than one candidate for the position of Secretary or Treasurer and multiple candidates for Member-at-Large and Nominating Committee positions if more than one candidate is available.

6) June 1st of the election year. The final slate of candidates for election will be submitted to the membership


7) June 15th of the election year. Electronic ballots due to be cast by the Active membership for each candidate.

8) July 1 of the election year. The nominating Committee shall announce to the general section membership, in writing, the results of the election

9) Conclusion of the CV Section Annual Meeting New Officers ascend to their respective posts.

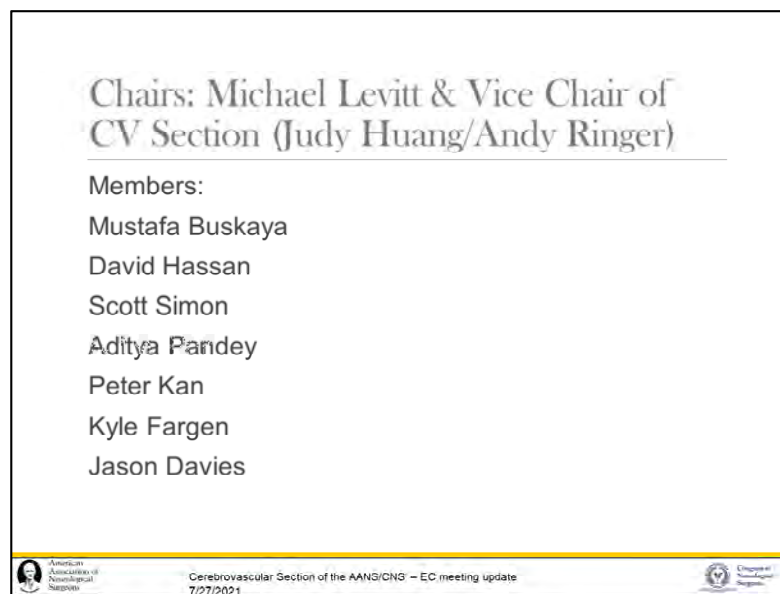


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AS: Would like to make standing committee efforts more recognized by expanding to additional committees. Would like to formalize this process with the goal being to circulate a draft for the AANS meeting, and then try to get enough online votes to be able to pass this ammendment by CNS.



AS: We currently have many award offerings. The Dempsey awards were run by Dempsey himself, and Baskaya has taken over this role in the last few years. The hope is to streamline the process and put all awards under a single committee (listed above), which will also be responsible for all abstract award review and selecting winners. The Chair of this committee will serve 3 years at minimum, and Vice Chair will serve 1 year.



## Resident & Fellow Awards

### AANS

CV Best Scientific paper by Resident or Fellow - Thoralf Sundt Award - \$500 & Plaque  
CV Best Clinical paper by Resident or Fellow – Robert Spetzler Award - \$500 & Plaque

### CV Section Annual Meeting

Robert Dempsey Research Award  
2 resident basic science research awards per year \$15000 each & Plaque  
Robert J Dempsey, MD Cerebrovascular Resident Research Award (Dr. Baskaya)

### CNS

Galbraith Award- (CV Best Scientific paper by Resident or Fellow) - \$500 & Plaque  
CV Best Clinical paper by Resident or Fellow – Duke Samson Award - \$500 & Plaque

The above award list was reviewed. AS noted that the Galbraith Award will remain the same, and we are adding CV Best Clinical Paper by Resident or Fellow.

## Young Investigator Awards

Early Stage Investigators Process Run by CNS Foundation  
(under aegis of JCVS) \$50,000 per year for 3 years – 1  
award per year for 3 years

Early stage Investigators Process run by NREF \$50,000 per  
year for 3 years – 1 award per year

No salary support (for awardee)

Fellow or attending applicants only (to be disbursed as  
attending)

No institutional overhead

One award process

Honor one at each meeting CNS AANS and CVS

AS: We have 1.3 million dollars sitting in an unrestricted account, plus more in restricted accounts through NREF. Is there away to put the unrestricted money in one entity to use as the endowment fund? In addition, we have received verbal approval for a multi-year award for around 50K-100K per year for 5 years. This gives us, potentially, another 1-2 million dollars in additional funds. AANS and CNS both have foundations, and the plan is to split funds between the two parent foundations. CNS has promised that the CV section can use matching funds up to 350K from CNS. If we put 1.5 million in each parent foundation, this should allow us to fund an endowment, which would give out 50K for 3 awards (1 award per year for 3 years).



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## Research Committee

DR. MICHAEL LEVITT

The above slide was reviewed

## Research Committee

• Established July 2021

• Responsibilities:

1. Assist Annual Meeting chairs with selection of CV abstracts for presentation at AANS, CNS and CV Section Annual meetings
2. Confer "named" research and clinical abstract awards
3. Coordinate and oversee grant review process for Joint CV Section, CNS Foundation and NREF Research Awards

• Members:

- Michael Levitt (co-chair), Judy Huang (co-chair and CV Section Vice-Chair), Mustafa Başkaya, Jason Davies, Kyle Fargen, David Hassan, Peter Kan, Aditya Pandey, Scott Simon
- 3 year terms

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The above slide was reviewed

## Research Committee

Named research awards to be presented

### AANS

- Thoralf Sundt Award (Best CV scientific paper by resident or fellow) - \$500 & Plaque
- Robert Spetzler Award (Best CV clinical paper by resident or fellow) - \$500 & Plaque

### CV Section Annual Meeting

- Robert Dempsey Cerebrovascular Research Award (Best two CV basic science research grant applications by resident) - \$15000 each & Plaque

### CNS

- Galbraith Award (Best CV scientific paper by resident or fellow) - \$500 & Plaque
- Duke Samson Award (Best CV clinical paper by resident or fellow) - \$500 & Plaque



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The above slide was reviewed

## Research Committee

Research grants to be selected

### Joint CV Section

- Robert Dempsey Cerebrovascular Research Award
  - Resident investigator, \$15000 for single year, two awards per year
  - (assist Dr. Başkaya in award selection)

### CNS Foundation

- CNS Foundation Cerebrovascular Research Award
  - Early Stage Investigator (fellow or new attending), \$50,000/year for 3 years

### Neurosurgery Education and Research Foundation

- Cerebrovascular Research Award
  - Early Stage Investigator (fellow or new attending), \$50,000/year for 3 years



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## Communications Committee

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AS: The new Communications Committee will combine Website, Social Media and Newsletter Committees into one.

The Website committee, led by Dr. Christoph Griessenauer, has done a great job over the past year. Dr. Justin Mascitelli will continue in Christoph's role as Chair, as Christoph has moved back to Austria.

Social Media has a fairly active twitter account which has a lot of daily work that goes into running the account. I have asked Dr. Kunal Vakharia to take the lead on this committee.

Dr. Jan Karl Burkhardt will serve as co-chair of the Communications Committee, with Justin Mascitelli. These chair positions will serve a 3 year term.

## Includes Website, Social Media & Newsletter

Chair: Jan Karl Burkhardt & Justin Mascitelli

Website Chair: Justin Mascitelli

Social Media: Kunal Vakharia

Newsletter Editor: Chris Fox



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# Communications

DR. JUSTIN MASCITELLI

# New Format

**Communications Chair**  
• Jan Karl Burkhardt

**Communications Co Chair**  
• Justin Mascitelli



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# New Format

**Website**  
• Justin Mascitelli

**Social Media**  
• Kunal Vakharia

**Newsletter**  
• Chris Fox



Cerebrovascular Section of the AANS/CNS – EC meeting update  
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# Old & New Committee Members

<b>News</b>	<b>Education</b>
Ning Lin	Luis Savastano
<b>Social Media</b>	Daniel Heiferman
David Dombos	Visish Srinivasan
Kurt Yaeger	<b>Research</b>
Aislyn DiRisio	Josh Oshun
<b>Patients</b>	Saman Siozhikhan
Caleb Rutledge	<b>Awards and Grants</b>
Jake Baranoski	Dimitri Sigounas
<b>Membership</b>	Christina Rossitto
Aditya Pandey	<b>About Us</b>
Rabih Tawk	Brian Howard
<b>Meetings</b>	Trevor Hardigan
Justin Singer	
Matthew Webb	




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The above slides were reviewed


JM: This is one example of new content that the Education Committee Chairs came up with to centralize outstanding content on Twitter into one location..

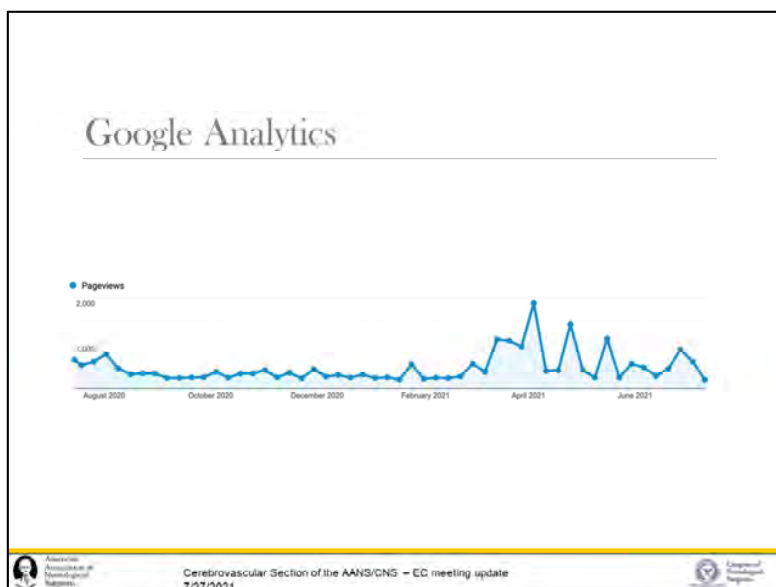
# Educational Content





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JM: Google Analytics summary of the CV Section website

## Google Analytics

2. /meetings/	1,430 (3.97%)
3. /education/fellowships/endovascular-fellowships/	1,246 (3.11%)
4. /awards-grants/	739 (1.89%)
5. /education/fellowships/combined-open-and-endovascular/	724 (1.85%)
6. /education/fellowships/open-cerebrovascular/	583 (1.48%)
7. /education/fellowships/	564 (1.43%)
8. /physician-search/	369 (0.93%)
9. /about-us/officers/	328 (0.83%)
10. /physician-news/training-standards-in-neuroendovascular-surgery-and-certification-process-published/	284 (0.72%)

Association of Neurological Surgeons

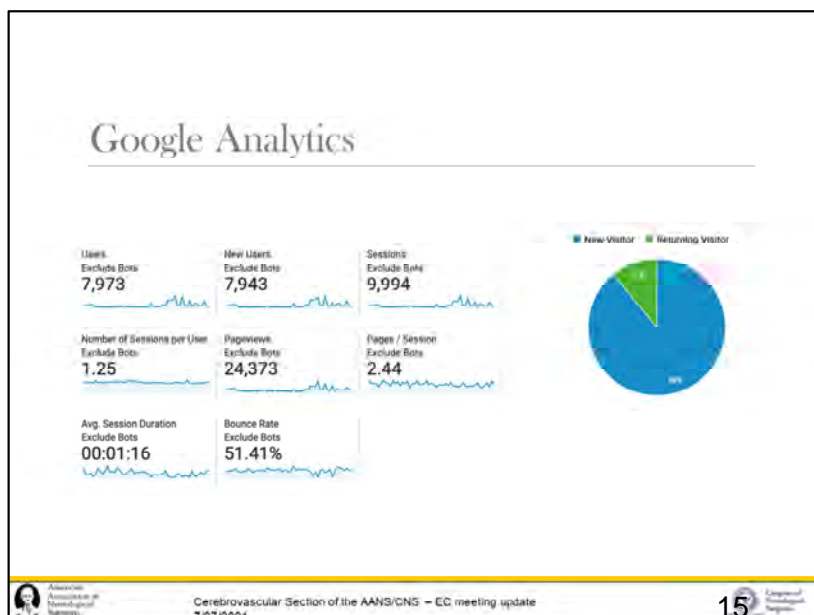
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JM: Here you can see the web pages that get the most hits.

AS: We have a professional service that manages our website. I am interested to see if we can explore possibility of hiring a vendor to handle all social media accounts. Thoughts?

CS: It is worth exploring. We can ask CNS if we can get a fractional person to help with this and what cost would be.

The above slide was reviewed





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# Resident and Fellow Courses

DRS. KELLNER, BINNING, ARTHUR, AND MASCITELLI

The courses webpage has been updated. AANS has cancelled one due to low enrollment. We need to see how things go as COVID numbers are increasing again.

**Cancelled** →

**SNIS/Joint CV Section 18th Annual Fellows Course**  
Course Directors: Justin Fraser and Jeremy Heit  
Dates: July 29-30, 2021  
Location: Colorado Springs, CO  
Website: <http://aansonlineeducation.org/fellowscourse/>


**Introduction to Cerebrovascular Neurosurgery for Residents**  
Course Directors: Mandy Binning, Christopher Etkin, and David M. Hassel  
Date: August 21, 2021  
Location: Orlando, FL  
Website: [https://www.aans.org/Meetings/Online\\_Programs/ProgramItem?eventId=1811&itemId=901&page=94/](https://www.aans.org/Meetings/Online_Programs/ProgramItem?eventId=1811&itemId=901&page=94/)

**NRES Neuroendovascular Surgery Techniques Course for Fellows**  
Course Directors: Mandy Binning and Lucas Elgwich  
Date: September 17-19, 2021  
Location: Memphis, TN  
Website: <https://www.nresf.org/education/Resident-Education-Courses>


**NRES Endovascular and Vascular Techniques for Residents**  
Course Directors: Andrew Grande and Mark Bain  
Date: October 8-10, 2021  
Location: Memphis, TN  
Website: <https://www.nresf.org/education/Resident-Education-Courses>

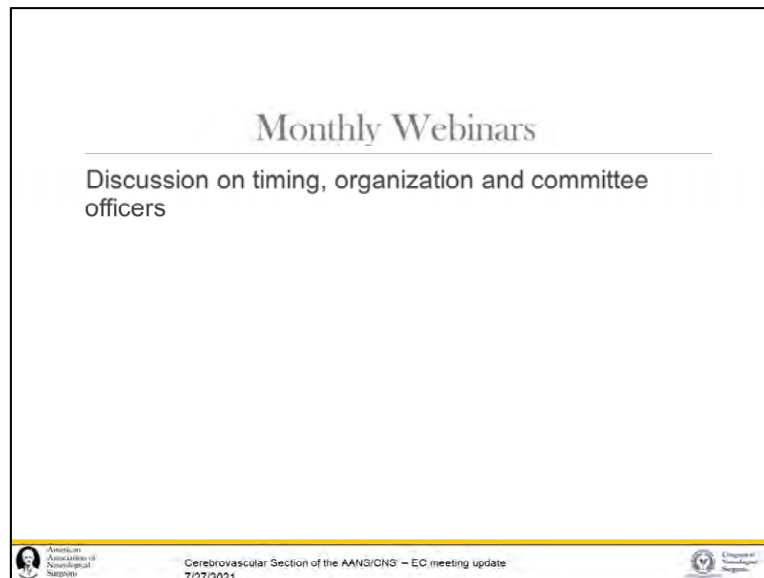
**Seattle Science Foundation 6th Annual Cerebrovascular & Endovascular Residents & Fellows**  
Date: October 22-23, 2021  
Location: Seattle, WA  
Website: <https://bit.cloud.com/courses/courseware/7915&SID=356>

**NRES Skull Base for Senior Residents**  
Course Directors: Carl Heilman and L. Madison Michael II  
Date: November 11-14, 2021  
Location: Memphis, TN  
Website: <https://www.nresf.org/education/Resident-Education-Courses>

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ST: Wanted to present the idea to consolidate all existing webinars from different vascular divisions from all over the country and encourage them to post every other month to try and centralize them.

AS: CV section does not have a presence in online education. It might not be a bad idea to provide webinars or online education as a service to our members beyond the 1.5 day Annual Meeting. This would also help us keep relevant. Thoughts?

AA: In terms of relevance, the Newsletter seems antiquated. That said, there are a lot of organizations providing webinars. Might think about sunseting the newsletter and letting Chris Fox take on webinars?

AK: Maybe we could gather existing webinars from other organizations/societies and organize them in a way that makes them easier to navigate, instead of developing new content.

ST: Great idea. We can try to filter existing webinars and can potentially ask them to be featured through CV section, so they're institutions will be highlighted and we don't need to do the legwork. Communications Committee can review these institutional webinars, and we can feature them every few months.

CS: We would need to figure out the target audience.

ST: The Newsletter days are long gone. Could provide value for members who are not able to come to the meetings.

CS: We could host a Town Hall every quarter or half year and make the topic very focused.

AS: I would like to put Justin Mascitelli and Chris Fox in charge of trying to figure out what the best format would be. We can also ask CNS to see if they can help coordinate.



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# Annual Meeting Updates

## AANS SPC

Chris Kellner, Vernard Fennell, and Josh Osburn

### Monday, August 23rd

Introduction of M. Gazi Yasargil Lecture Adnan H. Siddiqui, MD, PhD, FAANS	2:02 PM
M. Gazi Yasargil Lecture: Cerebrovascular Surgery: From the Wild West through the Endovascular Revolution H. Hunt Burger, MD, FAANS, FACS	2:05 PM
Discussion (Q&A)	2:36 PM
Stroke and COVID - A Look at the Evidence, J. Mocco, MD, FAANS, FAHA	2:41 PM
Discussion (Q&A)	3:02 PM
Top Abstracts	
Abstract Discussion (Q&A)	
Beverage Break in Exhibit Hall	
Follow the Patient - Acute Ischemic Stroke Shirley Merrill Koppen, MD, PhD, FAANS	4:16 PM
Follow the Patient - Acute Spontaneous Intracerebral Hemorrhage Brian Thomas Jackman, MD, FAANS	4:27 PM
Patient Perspective: Undergoing Thrombectomy Ricardo Alexandre Hanel, MD, PhD, FAANS	4:38 PM
Exhibition Conversation on AVM Multimodal Management Session Lead: Adnan Siddiqui, MD, FAANS	4:53 PM
Additional Panel Members: Douglas S. Kondrachine, MD, FAANS Vitor Mendes Pereira MSc, MD Jason Michael Davies, MD	
Updates from Ancillary Fields - Stroke Rehabilitation Advanced Neurorehabilitation and Quantification of Human Performance in Stroke David Putnam, PT PhD	5:16 PM
Discussion (Q&A)	5:28 PM
Cerebrovascular Business Meeting	5:30 PM

### Tuesday, August 24th

Introduction of the Raymond M. Donaghy Lecture Adnan H. Siddiqui, MD, PhD, FAANS	2:03 PM
Raymond M. Donaghy Lecture: Sepideh Amin-Hanjani, MD, FAANS	2:06 PM
Discussion (Q&A)	2:37 PM
Top Abstracts (30-45 min)	
Abstract Discussion (Q&A)	
Beverage Break in Exhibit Hall	
Complication and Complex Case Discussions (40 minutes)	
Aneurysm Surgery, Michael T. Lawton, MD, FAANS	4:00 PM
Hybrid (Endo/Open) Aneurysm Treatment, Pascal Marcel Jabbour, MD, FAANS	4:11 PM
Endovascular Aneurysm Treatment, J. Mocco, MD, FAANS	4:22 PM
Discussion (Q&A)	4:33 PM
Fishbowl Discussion and Criticism of Complex Cases Previously Presented	
Session Lead: Stavropoulou I. Tjoumakaris, MD, FAANS	4:39 PM
Additional Panel Members: Stacey C. Wolfe, MD, FAANS Joshua William Osburn, MD, FAANS Gregory J. Zipfel, MD, FAANS Demetrios K. Lopes, MD, FAANS	
"HARV" Talk (20 minutes) - Aneurysm Translational Research	
Speaker: Development of an Endovascular Cerebrospinal Fluid Shunt Abdel Malek, MD, FAANS	5:09 PM



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The above slide was reviewed

## 2022 ISC Meeting

Verbal Report

Dr. Fraser



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The above slide was reviewed

## CNS SPC

Chris Kellner, Vernard Fennell, and Josh Osbun

### Saturday, October 16

#### SYM02: Vascular Bundle

8:00 am - 12:00 pm

#### SYM02A: New Era in Stenting

Symposium Directors:

Andrew W. Grande, Brian T. Jankowitz

12:45 - 4:15 pm

#### SYM02B: Bypass and Complex Vascular Lesions

Symposium Directors:

Sepideh Amin-Hanjani, Babu G. Welch

### Sunday, October 17

#### SYM14: Cerebrovascular Bundle

8:00 am - 12:00 pm

#### SYM14A: Acute Stroke Treatment

Symposium Directors:

Justin F. Fraser, Stavroula I. Tjoumakaris

#### SYM14B: A Comprehensive and Evidenced Based Guidelines Review for the Treatment of Intracranial Aneurysms

Symposium Directors:

Kathleen Dlouhy, Peter Kan

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## CNS SPC

Chris Kellner, Vernard Fennell, and Josh Osbun

### Monday, October 18

7:00 – 8:30 AM

Cerebrovascular Sunrise Science and Late  
Breaking Abstract Session

#### Luncheon Seminars

M02: Minimally Invasive Surgical Evacuation of  
Intracerebral Hemorrhage

M09: Artificial Intelligence in Cerebrovascular  
Neurosurgery

4:15 - 5:45 pm

CV

Multimodality AVM Treatment:  
Operative Techniques and  
Case-based Discussions

2:45 - 4:15 pm

Section on Cerebrovascular Surgery: Neuroprotection in  
Cerebrovascular Disease - The Next Wave of Ischemic  
and Hemorrhagic Stroke Treatments

2:45 - 2:55 pm

Neuroprotective Drug Development in Acute Stroke, Michael Tymianski

2:56 - 3:06 pm

Neuroprotection Through Stem Cell Treatment, Gary K. Steinberg

3:07 - 3:17 pm Acute Stroke Modelling for the Evaluation of Post-  
Thrombectomy Neuroprotection, Matthew J. Grimes

3:18 - 4:28 pm Learning from the Clot, Walid Boussais

3:29 - 3:32 pm Hopkins Lecturer Introduction, Adnan Siddiqui

3:33 - 3:48 pm Hopkins Lecture, Sander Connolly

3:49 - 4:15 PM Oral Abstract Presentations



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The above slide was reviewed

# CNS SPC

Chris Kellner, Vernard Fennell, and Josh Osbun

## Tuesday, October 19

7:00 - 8:30 AM Guidelines Session:

Cerebrovascular Guidelines: Aneurysms, Arteriovenous Malformations, and Acute Ischemic Stroke

### Luncheon Seminar

T21: Robotic Approaches in Endovascular Neurosurgery

T23: Virtual and Augmented Reality in Neurosurgery  
GE CV

T24: Social Media Use in Neurosurgical Practice:  
Showboating or Real Value

4:15 - 5:45 pm

CV

Aneurysm Treatment: Operative Techniques  
and Case-based Discussions

5:45 - 7:15 PM

Section on Cerebrovascular Surgery Moderators:

### Section Session

2:45 - 4:15 pm

Section on Cerebrovascular Surgery Section Session:  
Advanced Aneurysm Treatment Techniques

2:45 - 2:53 pm, Intravascular Flow Diversion, Adam S. Arthur

2:54 - 3:02 pm, Development of the Flow Diverter, Ajay K. Wakhloo

3:03 - 3:11 pm, Next Generation Flow Diversion, Peter K. Nelson

3:12 - 3:20 pm, Medical Treatment of Aneurysms, David M. Hassan

3:21 - 3:29 pm, Minimally Invasive Craniotomy, Clemens M. Schirmer

3:30 - 3:33 pm, Drake Lecturer Introduction, Clemens Schirmer

3:34 - 3:49 pm, Drake Lecture, Peter Vajkoczy

3:50 - 4:15 pm, Oral Abstract Presentations

The above slide was reviewed



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# CNS SPC

Chris Kellner, Vernard Fennell, and Josh Osbun

## Wednesday, October 20

### Luncheon Seminar

12:15 - 1:45 pm

W33: Middle Meningeal Artery Embolization in the  
Treatment of Chronic Subdural Hematomas

The above slide was reviewed



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## 2021 CV Section/SNIS Meeting (Osburn/Kellner)

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Planned with Delacey (Radiology) and Narayan (Neurology)

CV Section Committee Members:

Osburn, Kellner, Tjoumakaris, Sigounas, Levitt, Fargen, Waldau

CV Section Scientific Program Committee Members:

Josh Osburn, Chris Kellner



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JO: There are no specific updates on the meeting, but would like to take a minute to discuss meeting planning for next year and how to improve. SNIS had two meeting chairs and CV section had 1 appointed chair. Noticed that there was a communication loop through SNIS, where plans were happening in the background that CV section was not included in. To avoid this in the future, we should build a document that sets expectations for various roles and what critical deadline dates are. We need to be more aggressive to make sure our voice is heard in the programming process.

AS: This was a strange year for many reasons. It was our first face to face meeting and because we weren't sure if this meeting would take place, so many things were last minute. Where do we go from here and how do we move forward? Dr. Arthur has stated that this will be a great financial gain for us. We should put together thoughts on what we'd like different, share with officers, and see which are reasonable requests to move forward with.

ST: When planning the next program, we should try to engage Senior Members more, as their current participation in the meeting is low and we want them to attend. One idea is to have them preset awards.

## 2021 CV Section/SNIS Meeting (Osburn/Kellner)

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Tuesday 8:30am: CV Section Awards and Lectures

Luskenhop Lecture: Tudor Jovin

Chairs Address: Adnan Siddiqui

Dacey Medal: Marc Simard

Dempsey Award

The above slide was reviewed



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The above slide was reviewed

## 2021 CV Section/SNIS Meeting (Osburn/Kellner)

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### HIGHLIGHTS

Session With Sages

Daily Neuroanatomy Lectures

Special Sessions on Aneurysms, AVM/DAVF, Stroke

Live Surgery Demonstration



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## Robert J. Dempsey, MD Cerebrovascular Research Award 2020-2021 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*

The above slide was reviewed



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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 2020-21.

Of the outstanding applications, winners of this award for 2020-21 are:

**Guilherme Barros, MD** from the University of Washington with the project, “Modeling effect of hemodynamic changes on endothelial transcriptional profile of cerebral aneurysms after endovascular flow diversion treatment.”

**Anna Huguenard, MD** from Washington University in St. Louis with the project, “Implementing Auricular Transcutaneous Vagal Nerve Stimulation Following Subarachnoid Hemorrhage to Modulate Neuroinflammation and Improve Outcomes.”

The above slide was reviewed

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

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

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

Bradley Gross, MD  
Assistant Professor  
Director, Endovascular Neurosurgery  
University of Pittsburgh

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

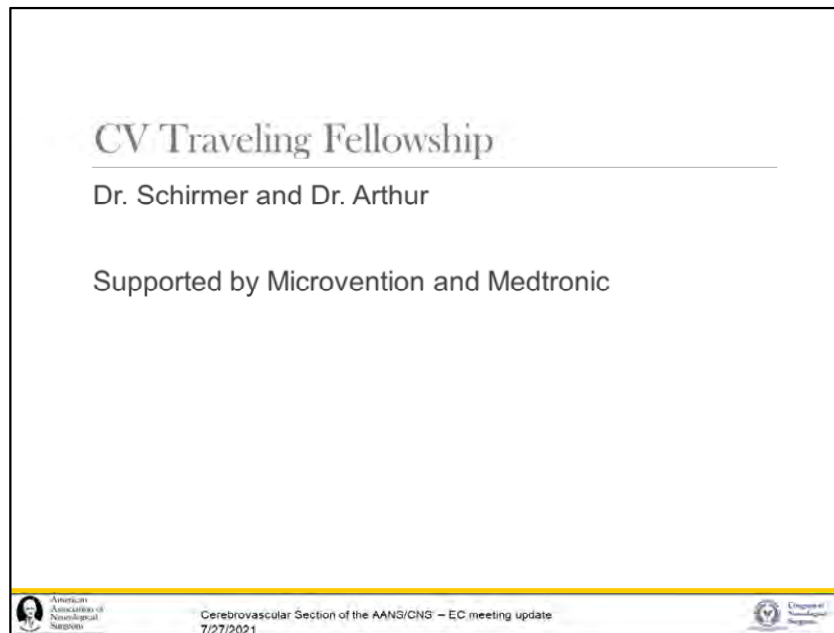
Robert Dempsey, MD  
Chair & Munich Javid Professor of Neurological Surgery  
University of Wisconsin – Madison

The above slide was reviewed

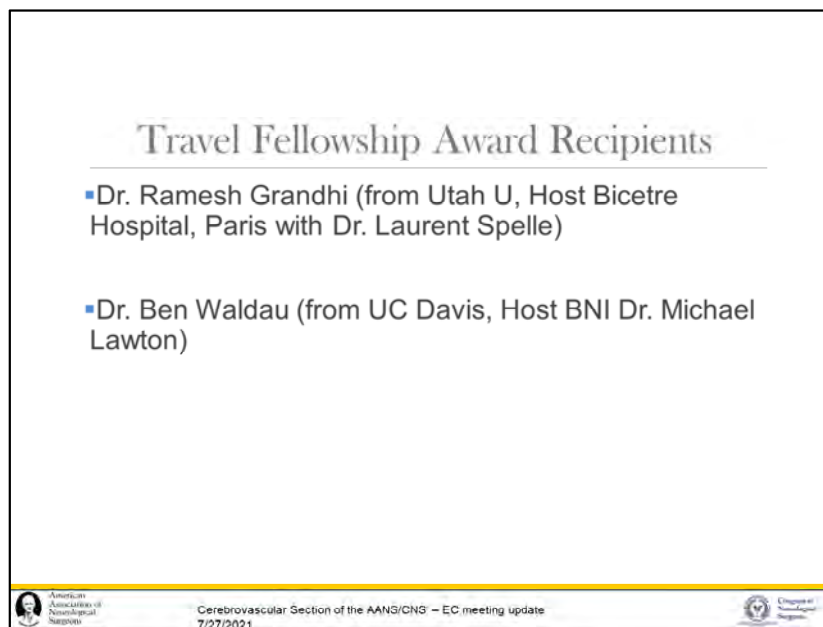


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CS: The traveling fellowship has been successful, but we receive far too little applications. There is opportunity to communicate/publicize it better and see if we can engage more members. With 2020 being an odd year, not many wanted to travel. We can loop in previous fellows to obtain their testimonials to communicate the value.



The above slide was reviewed

## Dacey Medal Report

Stav Tjoumakaris- verbal

ST: The Dacey Medal has already been awarded



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ST: These were the nominees

## Nominees

Dr. Isaam Awad  
Dr. Michael Alexander  
Dr. Chris Ogilvy  
Dr. Marc Simard  
Dr. Robert Friedlander  
Dr. Greg Zipfel



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## Recipient of 2021 Dacey Award

Dr. Marc Simard

ST: Marc Simard received the award



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## Project Updates



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# DAISI

SIDDIQUI

AS: DAISI is a coordinated registry network.  
Anyone who has data can participate.

### DAISI-CRN Devices for Acute Stroke Interventions Coordinated Registry Network

FDA initiative in collaboration with multiple acute stroke intervention registries from physician led organizations and industries that studied efficacy and safety of devices to support CDRH strategic 2016-17 Plan

Objective: collection and analysis of real-world high quality data, with potential for post-market surveillance, indications expansion and future trials for pre-market approval

The above slide was reviewed

## DAISI-CRN Devices for Acute Stroke Interventions Coordinated Registry Network

### PROBLEM STATEMENT

**Burden of stroke:** 700,000 Americans suffer a stroke in 2019, with 130,000 deaths and 1,200,000 people a year.

**Limited clinical evidence:** Few devices supporting the specific mechanical, electrical, treatment, and/or percutaneous (non-surgical) treatment of acute stroke.

**Difficulty in new device development:** Challenges in study design & feasibility of outcomes due to complexity of the intervention. Development of safety and efficacy data is difficult.

**HISTORIC PERSPECTIVE**

2004 CDRI shows device outcomes (10/10/10) for thrombectomy to be better than medical therapy.

2015 AHA recommends endovascular therapy as first-line treatment based on superior clinical outcomes.

2016 FDA granted the first endovascular device (Solitaire) a new indication for acute ischemic stroke.

**CURRENT STATUS & NEXT STEP**

The DAISI-CRN is under development with promising future. The first DAISI workshop was held in February 2017 at NIH with multiple stakeholders and was resulted in a data element (DSE) and outcome (DSE) framework. Subsequent consensus regarding data elements, use agreement, data sharing, and monitoring were fully discussed. The CDRI team has finished 1 on-going representing the device, endovascular, percutaneous, and/or medical intervention. The first project is to collect data to study the outcomes of interventions to promote circulation, which is being designed.

### GOAL

Reduce time to market and expedite patient access to approved device therapies for AIS.

Plus CDRI for the NEST to QD: support CDRI 2019/21 Strategic Priority.

Obtain additional clinical data to enhance patient outcomes and clinical care.

### MECHANISMS

Identify and Engage All Stakeholders (Clinical and Non-clinical).

Utilize Registry Task Force and Planning Board reports to provide CDRI development direction.

### PARTNERS

FDA  
NIH (StrokeNet)  
CDC (StrokeNet)  
NINDS  
Neurological Society  
Stroke Centers  
Academic Institutions  
Device Companies

### DEVICES

Stent Retriever  
Tissue  
Aspiration Devices  
Percutaneous Interventional Therapy

### US REGISTRY LANDSCAPE

Stroke/TIA Quality Initiative (STQI)  
Quality outcome Database (QOD)  
Get with the Guidelines Stroke Database

The above slide was reviewed

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AS: Created elements that oversee all aspects of interventional stroke. This protocol has been published and is part of the NVQI and QOD registry.

## FDA DAISI Update

### Common Data Elements Approved / Incorporated NVQI-QOD 1<sup>st</sup> Project – Expansion of Thrombectomy Indication in Posterior Circulation / Basilar Occlusions

Protocol Written – Identify Control Group  
DUAs (CRN Development) Pending / Data Accumulation  
MDEpiNet – DAISI Registry Infrastructure / Analysis  
Aligns with FDA Recommendations To Use Registries NVQI-QOD +  
Collect **Real World Data** For Post Approval Surveillance



"FDA believes that device registries should serve as the foundation of our National Medical Device Evaluation System."

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## Basilar Artery Occlusion

Definitions: between the junction of vertebral arteries and bifurcation of the posterior cerebral arteries

Currently no devices approved for acute stroke intervention at the basilar artery

The above slide was reviewed

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# Pilot Protocol for Basilar Artery Occlusion

Retrospective observational study

High-quality data from usual practice in the US

Goal: to set realistic performance goals for comparison in future application for indication/expansion of devices for basilar artery thrombectomy

AS: All sources of data were collected that would have information on Basilar Artery Occlusion.

AS: After doing this, we contracted with Weil Cornell to be our data warehousing source. We received everyone's data except for 1 source.

## Stages

The study will proceed in 7 stages:

Identification of data sources

Selection of initial data sources for this first, pilot DAISI study

Assessment of quality of this first, pilot DAISI study of BAO

Selection of data for BAO analysis

Detailed data analysis plan

Analysis

Assessment of utility of the results for a marketing submission

## Hypothesis

### Primary hypothesis

- Morbidity (mRS>2) at 90-days in patients treated with thrombectomy is 10% less than medical management alone or IV thrombolysis alone

### Secondary hypothesis

- Good outcome (mRS≤2) at 90-days in patients treated with thrombectomy is 10% greater than medical management alone or IV thrombolysis alone
- All-cause mortality at 30-days in patients treated with mechanical thrombectomy is 10% less in comparison to medical management alone or IV thrombolysis alone

The above slide was reviewed



## Exploratory hypothesis

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**Both primary and secondary hypothesis will be tested in all the subgroups:**

- Medical management alone (antiplatelet and anticoagulation)
- IV thrombolysis alone ( $\leq 3$ h and  $> 3$ h)
- Thrombectomy plus IV thrombolysis by NYR coded devices
- Thrombectomy plus IV thrombolysis by POL coded devices
- Thrombectomy alone by NYR coded devices
- Thrombectomy alone by POL coded devices
- Outcomes after thrombectomy by time from onset to recanalization ( $< 6$ h, 6-12h and 12-24h)



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The above slide was reviewed

The above slide was reviewed

## Keypoints

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Devices will not be identified other than as stent-retriever, aspiration catheters, combination, or as NYR vs POL coded.

The data will reflect the practice in the United States as a comparison for future applications, and not a pathway to approval

Final regulation and approval will remain with the FDA, as it has always been



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## Coding & Reimbursement

Dr. Clemens Schirmer-Verbal Report

CS: There is not much to discuss that is a threat. Request about Transcatheter quote was put to rest.



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## Washington Committee Report

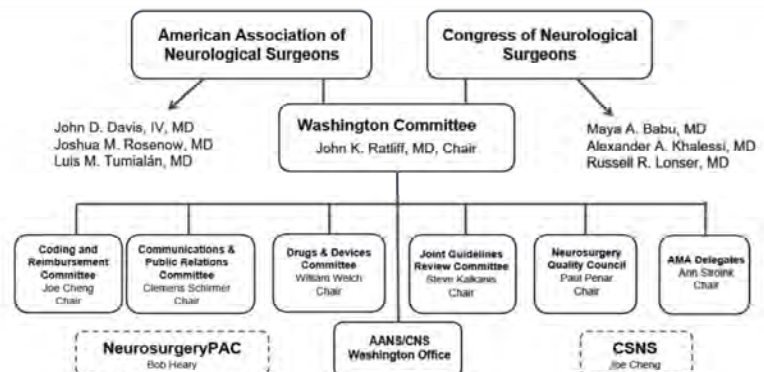
Prepared by: **Katie O. Orrico, Esq.**  
Senior Vice President  
Health Policy and Advocacy  
AANS/CNS Washington Office



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## Washington Committee Members

CV Section WC Liaison: **Henry H. Woo, MD**




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The above slide was reviewed

## Washington Committee Accomplishments: 2020 Recap

- Launched Surgical Care Coalition campaign to prevent Medicare cuts:
  - **PREVENTED** 6% Medicare cut in 2021 (P.L. 116-260) → estimated value = \$48,000 per NS (if applied to all payers)
  - **INTRODUCED** Medicare Reimbursement Equity Act (S. 4932) → to increase global surgery E/M values
- Prior authorization reform
  - **GARNERED** 300 cosponsors for *Improving Seniors' Timely Access to Care* (S. 5044/H.R. 3106) → to reform prior auth in Medicare Advantage
- Graduate Medical Education
  - **INCREASED** Medicare support for 1,000 additional residency training slots (P.L. 116-260)
- Protect patients from surprise medical bills (SMBs)
  - **BANNED** SMBs → independent dispute resolution system to resolve payment disputes and no federal rate setting (P.L. 116-260)



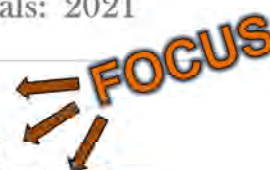
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
HB: The Washington Committee launched the Surgical Care Coalition campaign with ACS. The goal is to try and introduce idea that Neurosurgery brings value to the table so that we're pushing back on some of these cuts that are potentially applied to Neurosurgery going forward. Pre-authorization, Graduate Medical Education, and Surprise Billing are big points.

AK: In the last decade, this was the most consequential thing that the Washington Committee has done. It was a massive threat to all of our reimbursement, and we would have all felt it had this campaign not hit. This is the first time that ACS and other organizations came together, and it was successful in getting legislation passed.


## Washington Committee Goals: 2021



- **Prior authorization** reform
- Prevent global surgery **payment cuts**
- Expand funding for **graduate medical education**
- Ensure fair payments (w/out federal rate setting) and an accessible and fair independent dispute resolution (IDR) process for **out-of-network care**
- **Medical liability** reform
- Continue progress w/**medical innovation**
- Restructure **quality payment** programs



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The above slide was reviewed

## Prior Auth Legislation: Improving Seniors' Timely Access to Care Act (H.R. 3173)

• Introduced on 5/13/21 → Currently has nearly 170 co-sponsors

### Provisions:

- ✓ Creates an **electronic prior authorization** program + **real-time** approval process for services that are **routinely approved**
- ✓ Requires plans to report to CMS on the extent of their use of prior authorization and the **rate of approvals or denials**
- ✓ Ensure prior authorization requests are **reviewed by qualified medical personnel**
- ✓ Requires prior authorization programs to adhere to **evidence-based medical guidelines**



Suzan DelBene (D-WA)



Mike Kelly (R-PA)



Ami Bera, MD (D-CA)



Larry Bucshon, MD (R-IN)

The above slide was reviewed

## Global Surgery Reimbursement



<https://www.surgicalcare.org/>

### PROBLEM

- Surgery is Facing a minimum **9% cut on Jan. 1, 2022**
- **Global surgery codes** were **devalued in 2021** when CMS refused to adjust the post-op E/M portion

### SOLUTION

- Re-launched Surgical Care Coalition campaign to prevent Medicare cuts and appropriately value global surgery codes
  - \$150k (AANS, CNS & Spine Section each contributed \$50k)
- Overall message geared to demonstrate the value of surgery/surgeons

The above slide was reviewed

## Legislation: Resident Physician Shortage Reduction Act (S. 834/H.R. 2256)

- 14,000 new Medicare-supported residency training slots → 2,000 each year for 7 years
- Priority distribution:
  - Hospitals in rural areas
  - Hospitals training over their current GME caps
  - Hospitals that serve areas designated as health professional shortage areas.
  - Hospitals in states with new medical schools or new branch campuses.



Sen. Bob Menendez (D-NJ)



Sen. John Boozman (R-AR)



Sen. Chuck Schumer (D-NY)

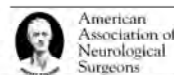


Rep. Terri Sewell (D-AL)



Rep. John Katko (R-NY)

The above slide was reviewed



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**GET INVOLVED**



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## Washington Committee Web Hub

[www.neurosurgery.org](http://www.neurosurgery.org)



- Links to AANS & CNS Advocacy Web Pages
- Links to CSNS and Jt. Sections
- Includes most recent @neurosurgery Tweets
- Includes most recent Neurosurgery Blog posts

The above slide was reviewed

The above slide was reviewed



## Advocacy Action Center

- ✓ Send letters to Congress
- ✓ Track legislation
- ✓ Scorecard
- ✓ Find Officials



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The above slide was reviewed

## Questions/Information

### Contact:

Katie O. Orrico, Esq.  
Direct: 202-446-2024  
Cell: 703-362-4637  
Email: [korrico@neurosurgery.org](mailto:korrico@neurosurgery.org)







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# Brain Attack Coalition

DR. KEVIN COCKROFT

AS: These are a few papers that are being worked on

## Brain Attack Coalition

### BAC Inequities in Access and Delivery of Acute Stroke Care Symposium (June/July 2022)

- Three areas to address: Pre-Hospital, Acute, Inpatient Care
- Each one to examine issues related to economics, geography, policy & demographics

### Stroke Center Guidelines Paper

- Mark Alberts, lead – still pending



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# IAC – Carotid Stenting Board

DRS. KEVIN COCKROFT AND AMAN PATEL

The above slide was reviewed

## IAC

Cockroft President-Elect for Carotid Stenting Board  
and Director on full IAC board of directors.

Looking to incorporate standards for TCAR into  
stenting facility standards.



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## NVQI-QOD

COCKROFT, CONNOLLY, SIDDIQUI

The above slide was reviewed

## NVQI-QOD

SVIN has now officially joined the registry/PSO.

Revision to aneurysm module completed  
(endovascular and open).

Continuing to explore potential industry collaborations



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## NVQI-QOD Integration

**SNIS-NPA Agreed to Merge Cerebrovascular Registries of  
Neurointerventional and Surgical Procedures (NVQI and QOD-CV)  
at the AANS CV Section Meeting – February 2017**

MOU Agreement Executed – November 2018

Joint Governing Council or Steering Committee Established

QOD Data Archive / Site Contracts into M2S (NVQI) Platform

**SVIN Adopts NVQI-QOD as their Official Quality Registry**

MOU Agreement Executed – April 2021

Equal Membership on Governance Council and PSO Committees

**Anticipate > 50 – 75 Participating Institutions in Combined NVQI-  
QOD Cerebrovascular Registry**

M2S Contracting 2021- 2022

The above slide was reviewed



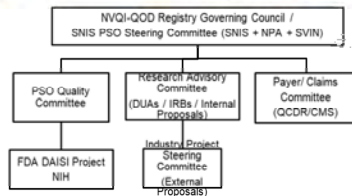
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## NVQI-QOD Governance Council

<b>SNIS</b> Sameer A. Ansari, MD PhD Shazam Hussain, MD Jay Mocco, MD	<b>NPA</b> Kevin Cockcroft, MD E. Sander Connolly, MD Adnan Siddiqui, MD PhD	<b>SVIN</b> David Liebeskind, MD Ameer Hassan, MD Sunil Sheth, MD
--	---	--



The above slide was reviewed

## Role of M2S / MedStreaming

- Industry Partner for Registry Infrastructure
- Track Record of Success with SVS VQI Development  
Over 15 years in Clinical Data Management  
Experience in AHRQ PSO and CMS QCDR
- NVQI-QOD Cloud-Based Data Collection, Reporting, and Analytics via M2S PATHWAYS Platform  
Provide Training, Customer Service, and Technical Support
- Secure / Electronic Infrastructure  
Compliant with HIPAA and PSO Regulations
- M2S Acquisition by MedStreaming Should Drive Development  
Automated EMR Capture via Structured Reporting

The above slide was reviewed

## Available Procedure Registries for NVQI-QOD Participants

Acute Ischemic Stroke Cerebral Aneurysm Cerebral AVM	Carotid Artery Stent** Carotid Endarterectomy**
--	--

\*\*Provided by the Society for Vascular Surgery  
Vascular Quality Initiative

KC: 100% overlap on all site

## PSO Committee for Registries

### Aneurysm

- Dr. Sahlein, Goodman Campbell Brain and Spine
- Dr. Tejada, Indiana University Health

### AVM

- Dr. Alaraj, University of Illinois Chicago
- Dr. Jones, UAB

### Stroke

- Dr. Alhajeri, University of Kentucky
- Dr. Gemmete, University of Michigan

SVIN will appoint 2 members to each committee

### Aneurysm

- Justin Fraser –U Kentucky
- Ephraim Church –Penn State

### AVM

- Geoffrey Colby - UCLA
- Clemens Schirmer- Geisinger

### Stroke

- Dan Hoit – UT Memphis
- Need someone w NVQI-QOD at site

AS: Expanded group in order to get engaged on registries and data elements, and to make sure we continue to update them as needed.



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## NVQI-QOD

	Procedure	# Cases	Devices Included
NVQI	Acute Ischemic Stroke	> 5000	Stent Retriever Devices Aspiration Devices Stent Devices
	Cerebral Aneurysm	> 5000	Clips Coils Embolization Devices Balloon/Stent Devices
	Cerebral Arteriovenous Malformation	> 300	Coils Embolic Material
	Procedure	# Cases	Devices Included
VQI	Carotid Endarterectomy	> 120,000	Patch Type
	Carotid Artery Stent	> 30,000	Stent, Protection Device Type

AS: There are over 5,000 aneurysm cases in this registry.



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## Active Research Projects

### Dr. Sameer Ansari (Northwestern University)

#### SNIS 2020 Abstract Presentations

- Real World Evidence for Acute Stroke Thrombectomy in the United States from the NVQI-QOD Registry (Manuscript in Progress)
- Racial Disparities in Acute Stroke Thrombectomy Management and Outcomes in the United States: Evidence from the NVQI-QOD Registry

### Dr. Shazam Hussain (Cleveland Clinic)

#### SNIS 2021 Abstract Presentations

- 1st Pass Efficacy in AIS Thrombectomy (SNIS Abstract 2021)
- Surgical AVM Resection Outcomes (SNIS Abstract 2021)

### Dr. Sepideh Amin-Hanjani (University of Illinois-Chicago)

- Racial/Ethnic Differences in Post-Thrombectomy ICH and Outcomes

AS: We are starting to publish and present multiple abstracts on data garnered.



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AS: Summary slide. Over 11,000 cases have been captured among 24 participating sites.

The above slide was reviewed

## Use of NVQI-QOD Registry for Device Evaluation

The primary mission of NVQI-QOD is to provide feedback to hospitals and physicians about their performance, with specific methods to improve quality

Because FDA-regulated devices are used in many neurovascular procedures, their safety and effectiveness are key to a good outcome

Therefore, **evaluating neurovascular devices is an important part of the NVQI-QOD mission and provides an opportunity to partner with device manufacturers and the FDA**

## Use of NVQI-QOD Registry for Device Evaluation

Aligns with FDA recommendations to use registries to collect **real world** data for post approval surveillance



MDEpiNet Task Force 2015



Endovasc Today 2017



FDA Guidance 2017

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AS: TCAR was approved and funded through the SVIS registry. SVIS registry is in every vascular site; we need go to sites and push hospitals. Departments are no longer being asked to fund this, as it is paid for by the hospitals.

## Pilot Projects

Digitize CRFs into workflow

Upload all neuroimaging for each admission to cloud for either later AI based or Core lab based quality analyses

The above slide was reviewed



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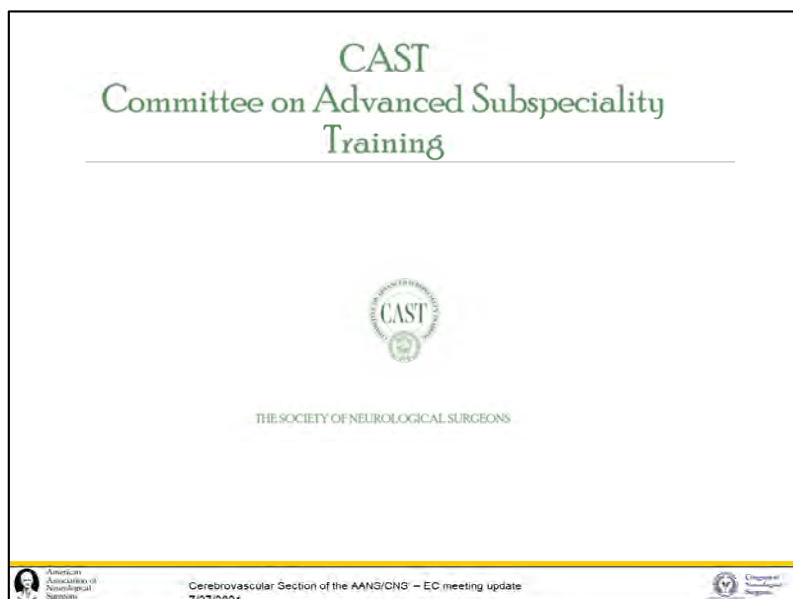
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# NESAC - CESAC

ARTHUR, RIINA, HOH, MACK, SIDDIQUI



The above slide was reviewed.

## NESAC Committee

**Accreditation of CNS Endovascular fellowships** will be done by NESAC (Neuroendovascular Surgery Advisory Committee) under the authority of the Society of Neurological Surgeons through CAST. This committee will establish educational and training requirements for fellowship programs based on agreed-upon criteria, which will include patient management information for training fellows, faculty experience, facilities, academic environment, and institutional/departmental support.

NESAC Committee Members

- Sameer Ansari, MD
- Adam Arthur, MD
- Colin Derdeyn, MD
- Johanna Fifi, MD; CHAIR
- Brian Hoh, MD
- Tudor Jovin, MD
- William Mack, MD
- Lee Pride, MD

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## CAST Accreditation of Programs

Cerebrovascular	12
CNS Endovascular	59

**CAST now accredits fellowships in skull base neurosurgery.**

CAST website  
[CAST MAIN » CAST: The Committee on Advanced Subspecialty Training \(sns-cast.org\)](#)

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The above slide was reviewed

## CAST Accreditation of Programs

Total Fellowship Programs: 201



AA: A healthy proportion of CAST run programs on Endovascular.

The above slide was reviewed.

## Mission of the ABNS

- Review the credentials and practice experience of, and conduct examinations of, eligible candidates who seek certification by the ABNS
- Issue certificates to those individuals who meet the Board's certification requirements including training and qualifying examinations, thereby conferring Diplomate status
- Implement and administer a program for Continuous Certification (formerly MOC) to insure continued competency
- Issue time-limited Certificates to Diplomates who successfully complete the Board's CC program
- Issue credentials in RFP; Pediatric Neurological Surgery, Neurocritical Care and CNS Endovascular surgery

ABR



American Board of Psychiatry and Neurology, Inc.  
A Member Board of the American Board of Medical Specialties (ABMS)



## CNS Endovascular RFP

This RFP has been approved by the ABMS and has the goal of recognizing candidates who have successfully completed a(n) standardized neuroendovascular training program and met practice criteria, thereby elevating and advancing patient care for the public good. This RFP is co-sponsored by The American Board of Psychiatry and Neurology (ABPN) and American Board of Radiology (ABR).

AA: CNS has created Endovascular recognition of focus practice, jointly run by ABMS, ABPN and ABR.



## CNS Endovascular RFP

CESAC Committee is responsible for reviewing applications for RFP.

[Application for CNS Endovascular RFP](#) (completed fellowship, practice track or convert CAST certificate)

[https://abns.smapply.org/prog/abns\\_recognition\\_of\\_focused\\_practice\\_application\\_cns\\_endovascular\\_surgery/](https://abns.smapply.org/prog/abns_recognition_of_focused_practice_application_cns_endovascular_surgery/)

*Over the course of the next 4 review cycles CESAC will be collecting actual case data submitted by applicants in order to better understand evolving practice patterns in neuroendovascular surgery.*

*Specifically total case volumes will be analyzed for frequency of the various endovascular procedures performed.*

*Currently, the CESAC committee will continue to diligently review each application, holistically evaluating case complexity and volumes.*

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American Society of Neuroradiology

AA: The application process is noted here. We will circulate this among CV membership.

AA: Almost 400 CAST Certified Fellowships

## CNS Endovascular RFP

Approved under prior process (CAST) yet granted an RFP (34) :

(Issue date of 1/1/2020)

Neurosurgeons	7
Radiologists	15
Neurologists	12

*Records received by the ABNS suggest that 320 providers held a CAST certificate in CNS Endovascular surgery*

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American Society of Neuroradiology

## CNS Endovascular RFP

Approved during Spring review cycle

Neurosurgeons	9
Radiologists	6
Neurologists	0

CAST to RFP Conversion

Neurosurgeons	20
Radiologists	14
Neurologists	10

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American Society of Neuroradiology

The above slide was reviewed



## CNS Endovascular RFP



### Up for review

Neurosurgeons	14
Radiologists	2
Neurologists	6

*Applications in process* 63

*not submitted, cannot report on specialty*



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AA: Exam only offered once per year. Could it be biannual? NESAC and SESAC need to provide 20 questions to build up the bank. Will bring up at next SESAC meeting.



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## JGC/CV Section Guidelines Committee

DR. KETAN BULSARA

## Committee Structure

Chair: Ketan Bulsara

Members: Andrew Carlson, Chris Kellner, Jonathan Grossberg, Christoph Griessenauer, Mark Bain, Kimon Bekelis, Chad Washington, Justin Mascitelli, Kyle Fargen, Rohan Chitale

KB: Thank you to all members who serve on the committee.





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## Current Guideline Projects with Other Organizations

### AHA/ASA

- The AHA/ASA has requested a new writing group representative for a scientific statement entitled "Endovascular Treatment and Thrombolysis for Acute Ischemic Stroke Patients with Pre-morbid Disability or Dementia" Dr Sepi Amin-Hanjani will represent the AANS/CNS. Currently under review by CV section guidelines committee.
- The AHA/ASA has requested review of "Evaluating and Reporting Sex- and Gender-Related Differences in Endovascular Acute Ischemic Stroke Treatment." Currently under review by CV section guidelines committee.
- The AHA/ASA has notified the JGRC that a Guideline for the "Management of Spontaneous Intracerebral Hemorrhage" is being developed. Dr. J. Mocco is the AANS/CNS writing group representative. They have asked the AANS/CNS to nominate a designated peer reviewer to comment on the finished




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KB: First two bullet points on this slide are the current guidelines that CV is looking at.

The above slid was reviewed

## AHA/ASA



- The AHA/ASA has notified the JGRC that a Scientific Statement for the "Endovascular Treatment and Thrombolysis for Acute Ischemic Stroke Patients with Pre-morbid Disability or Dementia" is being developed. AHA/ASA has requested an AANS/CNS writing group representative. They have also asked the AANS/CNS to nominate a designated peer reviewer to comment on the finished statement.
- The AHA/ASA submitted the scientific statement entitled "Identifying Best Practices to Improve Evaluation and Management of In-hospital Stroke" to the JGRC. Dr Amin-Hanjani was on the writing committee. The CV Section reviewed it and recommended it be Affirmed for Educational Content.
- The AHA/ASA submitted the scientific statement entitled "Management of Central Retinal Artery Occlusion." for review. Dr. Stavropoula Tjoumakaris was the AANS/CNS writing group representative. The document was reviewed by the CV Section and ultimately and recommended to be Affirmed for Educational Content.


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The above slide was reviewed

## AHA/ASA

- The AHA/ASA submitted the document 2021 Guidelines for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack to the JGRC for endorsement. Dr. Cockroft was on the writing group. Also, the AHA/ASA Secondary Prevention of Stroke Systematic Review on which Dr. Amin-Hanjani was Chair is being used as a complimentary document to the Guideline and will be evaluated in tandem. The JGRC reviewers, along with a subgroup of CV reviewers evaluated the documents and submitted feedback in September 2020. The Final version of the document was received in April 2021 including revision and was recommended for Endorsement by the JGRC.


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## AAN

-The Brain Death Guideline: Evidence-based Guideline Update: Determining Brain Death in Adults has been completed and submitted to AANS/CNS for review. David F. Bauer, MD, FAANS, and Maya A. Babu, MD, were invited to serve as representatives on this project. The document did not meet the criteria for JGRC level review and was reviewed by both the Trauma and the CV section. Concerns about the document were communicated to AAN in January 2021.

-A Guideline on Prevention of Stroke in Patients with Symptomatic Large Vessel Intracranial Atherosclerotic Disease was submitted to AANS/CNS. The document did not meet the criteria for JGRC level review and was instead reviewed by the CV section. Review comments were provided to AAN in February 2021.



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KB: Waiting to hear back on concerns that were communicated.

The above slide was reviewed

## NCS

-A Subarachnoid Hemorrhage Guideline update is underway with expected completion in late 2021.

-An AED Prophylaxis in NCC Guideline is also being developed with expected completion also in late 2021.



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## International Liaison


DR. MIIKKA KORJA  
HELSINKI UNIVERSITY HOSPITAL, FINLAND

The above slide was reviewed


## BACKGROUND



- SUCCESSOR TO PREVIOUS LIAISON DR MIKA NIEMELÄ
- HEAD OF SECTION, DEPARTMENT OF NEUROSURGERY,  
HELSINKI UNIVERSITY HOSPITAL, FINLAND
- CEREBROVASCULAR CONSULTANT DEPARTMENT OF NEUROSURGERY  
HELSINKI UNIVERSITY HOSPITAL, FINLAND
- ASSOCIATE PROFESSOR OF NEUROSURGERY,  
UNIVERSITY OF HELSINKI, FINLAND
- ASSOCIATE PROFESSOR OF MEDICAL BIOCHEMISTRY & MOLECULAR BIOLOGY,  
UNIVERSITY OF TURKU, FINLAND
- MASTER OF ADVANCED CEREBROVASCULAR SURGERY,  
MACQUARIE UNIVERSITY, SYDNEY, AUSTRALIA
- CHIEF INNOVATION OFFICER,  
HOSPITAL DISTRICT OF HELSINKI & UUSIMAA, FINLAND
- EUROPEAN ASSOCIATION OF NEUROSURGICAL SOCIETIES (EANS) RESEARCH COMMITTEE MEMBER
- EANS VASCULAR SECTION BOARD MEMBER
- CHAIRMAN OF EANS VASCULAR SECTION VIRTUAL MEETING 2021




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The above slide was reviewed


## EANS CV & ESMINT 2021

- 8th Annual EANS Vascular Section Virtual Meeting  
(Monday 6th to Tuesday 7th of September 2021)
  - [https://www.eans.org/page/2021\\_EANS\\_Vascular\\_Section\\_Meeting](https://www.eans.org/page/2021_EANS_Vascular_Section_Meeting)
  - Speakers & chair(women) from USA
    - 1) Dr S. Tjoumakaris
    - 2) Dr C. Schlimer
    - 3) Dr P. Jabbour
    - 4) Dr M. Lawton
    - 5) Dr A. Siddiqui
    - 6) Dr J. Singer
    - 7) Dr S. Scott
    - 8) Dr D. Hassan
- 13th ESMINT Congress, face-to-face  
(Wednesday 8th to Friday 10th of September 2021, Acropolis  
Convention Center, Nice, France)
  - <https://www.esmint.eu/esmint-congress/>




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# Resident and Fellow Courses

MANDY BINNING

CHRIS KELLNER

JUSTIN MASCITELLI

The above slide was reviewed

**SNIS/Joint CV Section 18th Annual Fellows Course**

**Course Directors:** Justin Fraser and Jeremy Heit

**Dates:** July 29-30, 2021

**Location:** Colorado Springs, CO

**Website:** <http://snisannualmeeting.org/fellowscourse/>

**Introduction to Cerebrovascular Neurosurgery for Residents**

**Course Directors:** Mandy Binning, Christopher Kellner, and Justin Mascitelli

**Date:** August 21, 2021

**Location:** Orlando, FL

**Website:** <https://www.aans.org/Meetings/Online-Programs/ProgramItem?eventId=49140&seid=601&page=58/>

**NREF Neuroendovascular Surgery Techniques Course for Fellows**

**Course Directors:** Mandy Binning and Lucie Eljevoch

**Date:** September 17-19, 2021

**Location:** Memphis, TN

**Website:** <https://www.nref.org/education/Resident-Education-Courses>

**NREF Endovascular and Vascular Techniques for Residents**

**Course Directors:** Andrew Grande and Mark Bain

**Date:** October 8-10, 2021

**Location:** Memphis, TN

**Website:** <https://www.nref.org/education/Resident-Education-Courses>

**Seattle Science Foundation 6th Annual Cerebrovascular & Endovascular Residents & Fellows**

**Date:** October 22-23, 2021

**Location:** Seattle, WA

**Website:** <https://atcloud-cmk.com/course/courseoverview?P=SE&ID=206>


**NREF Skull Base for Senior Residents**

**Course Directors:** Carl Heilman and L. Madison Michael II


**Date:** November 11-14, 2021

**Location:** Memphis, TN

**Website:** <https://www.nref.org/education/Resident-Education-Courses>



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## SNIS Update

### Verbal Report

Dr. William Mack



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SVIN has a new journal from AHA that covers mainly interventional papers. This is a good alternate for Stroke or JNIS.

## SVIN Update



### Stroke: Vascular and Interventional Neurology



- The American Heart Association (AHA), the Society of Vascular and Interventional Neurology (SVIN) and John Wiley & Sons (Wiley) are joining forces
- The only journal of the 12 AHA sponsored publications devoted to interventions
- Produced bi-monthly, available online-only and all articles will be Open Access
- Same format as Stroke so an excellent alternative for procedurally oriented articles
- Focused on reporting clinical, translational and basic sciences research on interventional, endovascular, medical and surgical management of stroke and vascular disease of the brain, spinal cord, and head and neck. This includes research on minimally invasive and innovative approaches to providing clinical, neuroendovascular and neurosurgical care from imaging and clinical management teams. Imaging, video illustrations, case reports, innovative technique, angiographic anatomy, clinicopathological correlation, medical devices, technical advances and review papers are also welcomed.
- Editorial Office Email: [svinjournal@heart.org](mailto:svinjournal@heart.org)



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## SVIN Annual Meeting

**SVIN 2021**  
**ANNUAL MEETING**

Phoenix, AZ • November 17-20 • Sheraton Grand at Wild Horse Pass

Current SVIN president David Liebeskind  
President Elect Ameer Hassan



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## 3C Meeting

SIDDIQUI

AS: Reviewed the agenda from the  
June 2021 3C Meeting.



### Cerebrovascular Complications Conference

Jointly Sponsored by UB Jacobs School of Medicine & Biomedical Sciences

Cottonwood Ballroom, Four Seasons, Teton Village, WY

June 27 - 30, 2021

- 160 attendees
- 90 Physicians & 70 Industry

#### Sunday, June 27, 2021

1:30 - 6:30 PM	Participant arrival throughout the day; On-site Registration
3:00 - 3:05 PM	Welcome & Introduction of Co-Directors Max Mokin, Eric Peterson, Nima Etminan
3:05 - 3:15 PM	Rules of Engagement & Polling Questions - Arthur
3:15 - 5:00 PM	Case Presentations Moderators: Barr, Chopko, Lopes
5:00 - 6:00 PM	Special Session: Hot Topics Moderators: Davies, Arthur, Mendes-Pereira Venous Stenting, Jugular Stenting - Nick Higgins - remote CSF - Venous Fistula for Intracranial Hypotension - Waleed Brinjikji
6:00 - 6:30 PM	New Technology: Moderators: Hanel, Tateshima, Etminan CereVasc eShunt - Lylyk MicroVention Minisceptor Balloon - Altschul Bend It Microcatheter- Berenstein



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### Cerebrovascular Complications Conference

Jointly Sponsored by UB Jacobs School of Medicine & Biomedical Sciences

Cottonwood Ballroom, Four Seasons, Teton Village, WY

June 27 - 30, 2021

#### Monday, June 28, 2021 (Theme: Aneurysm)

6:30 AM - 12:30 PM	Onsite Registration
6:30 - 7:00 AM	Breakfast
7:00 - 7:30 AM	Aneurysm Polling Questions
7:30 - 9:30 AM	Case Presentations (Aneurysm) Moderators: Mocco, Saatci, Welch
9:30 - 10:00 AM	Break
10:00 - 10:15 AM	Special Presentation: Kevin Lobo
10:15 - 11:00 AM	Aneurysm: New Technology Moderators: Ringler, Mikeladze, Kellner, Gal Balt - Silk Vista Baby - Mendes-Pereira Stryker - Citadel - Rai Cerus Contour - Fiorella Endostream - Mocco Phenox P48 (coated) - Lylyk
11:00 - 11:15 AM	Special Presentation: Surface Modification - Matt Gounis
11:15 AM - 12:15 PM	Case Presentations (Aneurysm) Moderators: Jankowitz, Sahakyan, Howard
12:15 PM - 12:45 PM	Aneurysm: Hot Topic Moderators: Arthur, Saatci, Etminan Endovascular vs Clipping for MCA Aneurysm Open: Hanel, Siddiqui, Davies, Welch Endo: Fiorella, Chaudry, Puri



Cerebrovascular Section of the AANS/CNS - EC meeting update  
7/27/2021







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Tuesday, June 29, 2021 (Theme: Ischemic Stroke & Atherosclerosis)

6:30 AM - 12:30 PM	Onsite Registration
6:30 - 7:00 AM	Breakfast
7:00 - 7:15 AM	Stroke Polling Questions
7:15 - 9:15 AM	Case Presentations (Ischemic Stroke & Atherosclerosis) Moderators: Mokin, Chopko, Peterson
9:15 - 9:30 AM	Special Presentation: FDA Approval Process - Carlos Pena
9:30 - 10:00 AM	Break
10:00 - 11:00 AM	Stroke & Athero New Technology Moderators: Fiorella, Kellner, Chaudry Anaconda: Siddiqui Cerenova/Nimbus: Siddiqui Imp Care Zoom BB: Jankowitz Rapid Tiger 13: Davies Route 92 Aspiration Catheter: Puri
11:00 - 12:00 PM	Case Presentations (Ischemic Stroke & Atherosclerosis) Moderators: Rai, Arthur, Barr
12:00 - 12:30 PM	Stroke & Athero Session: Hot Topic Moderators: Froehner, Peterson, Ringer Stroke Imaging Workflow Direct to Angio: Puri CT angio, hybrid/other solutions: Rai, Fiorella Current System: Mokin



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Wednesday, June 30, 2021 (Theme: AVM, AVF, Tumor, & Other)

6:30 - 10:30 AM	Onsite Registration
6:30 - 7:00 AM	Breakfast
7:00 - 7:15 AM	Polling Questions
7:15 - 9:30 AM	Case Presentations (AVM, AVF & Other) Moderators: Baxter, Mokin, Lau
9:30 - 10:00 AM	AVM, AVF, Tumor & Other: New Technology Moderators: Islak, Davies, Lopes Siemens: Chapot, Mendes-Pereira Spartan Micro: Tateshima Vesalio:
10:00 - 10:30 AM	AVM, AVF, Tumor & Other: Hot Topic Moderators: Berenstein, Hanel, English Robotics: remote stroke treatment? Lacking infrastructure Fear and issues of automation Anti: Jankowitz, Lopes, Gobin Pro: Mendes-Pereira, Tateshima



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The meeting concluded at 6:08 pm PST