

Attendees

Kevin Cockroft, Chair

Gregory Zipfel, Chair Elect

Carlos David, Vice Chair

J Mocco, Secretary

Adnan Siddiqui, Treasurer

Albuquerque, FC	David, C	Howard, B	Lavine, S	Ogilvy, C	Tjoumakaris, S
Amar, A	Friedlander, R	Huang, J	Mack, W	Osburn, J	Welch, B
Arthur, A	Fox, C	James, R	Mascitelli, J	Ringer, A	Woo, H
Bambakidis, N	Gandhi, C	Jankowitz, B	Mocco, J	Schirmer, C	Zipfel, G
Bulsara, K	Harbaugh, R	Kellner, C	Nakaji, P	Suarez, J	
Cockroft, K	Hoh, Brian	Khalessi, A	Niemela, M	Tawk, R	

Annual Meeting Updates

2017 CV Sect/SNIS (Drs. Arthur, Jankowitz)
2017 AANS Meeting (Drs. Jankowitz, Stavropoula)
2017 ISC (Drs. Huang, Kim, and Ducruet)
2017 CNS Meeting (Drs. Stavropoula, Simon)

Standing Committee/Project Updates

Cerebrovascular Coalition, (Drs. Bambakidis, Cockroft, Amin-Hanjani)
JC Technical Advisory Panel RE: CSC certification (Dr. Bambakidis)
Matrix and Milestones (Dr. Bambakidis)
CNS Education Division (Dr. Bambakidis)
QOD (Drs. Connolly, Mocco)
CAST/Training Standards (Drs. Siddiqui, Day)
Washington Committee (Katie Orrico, Dr. Woo)
Coding & Reimbursement (Drs. Woo, Schirmer)
Rapid Response Committee (Drs. Woo, Khalessi, Mocco)

CV Section EC Meeting
February 20, 2017
Houston, TX

JGC/CV Section Guidelines Committee (Dr. Khalessi)
National Quality Forum (Dr. Bulsara, Khalessi)
SNIS update (Dr. Frei)
SVIN Liaison (Dr. Jankowitz)
International Liaison/ ESMINT (Dr. Niemela)
Neuro-Critical Care Society Update (Drs. Amar, Samuels)
YNS Liaison (Dr. Howard)
Brain Attack Coalition (Dr. Huang)
Membership Update (Dr. Mack)
NREF Update (Dr. Cockroft)
Fundraising Committee (Dr. Siddiqui)
Newsletter Committee (Drs. Ducruet, Fox)
Curriculum Development and Education Committee (Dr. Bendok)
MOC Vascular Module (Drs. Bendok, Siddiqui)
Bylaws/Rules & Regulations Committee (Dr. Schirmer)
Website Committee (Drs. Welch, Du, Simon, et al.)
Nominating Committee (Dr. Lavine)
Robert J Dempsey, MD Cerebrovascular Resident Research Award (Dr. Baskaya)
IAC carotid stent facility accreditation (Drs. Cockroft, Patel)

Old Business Updates

Resident and fellow courses (Drs. Mocco, Kellner, Binning, Veznedaroglu, Arthur)
Update on Traveling Fellowships (Dr. Arthur)
3C meeting (Dr. Siddiqui)
Brain Aneurysm Foundation, BAF/CV Sect C. Getch Research Award (Dr. David)

New Business

Consideration for a MACRA educational project for CVC members by Josh Hirsch (ASNR) (Dr. Bambakidis)
SIR writing group for Stroke outcome guidelines for endovascular therapy (Drs. Lavine, Khalessi)
AHA Hospital Accreditation Committee (Dr. Hoh)(nothing to report)

<p>I.</p>	<p>Call to Order Dr. Kevin Cockroft</p> <p>Approval of Minutes from CV EC meeting – San Diego, CA Dr. J. Mocco</p>	<ul style="list-style-type: none"> • Dr. Cockroft called the meeting to order at 10:00 AM. • Minutes were presented from CNS CV EC Meeting 2016 – San Diego, CA 	<p>Motion to approve minutes was seconded and unanimously approved</p>
<p>II.</p>	<p>CNS Update Dr. Sharan</p>	<ul style="list-style-type: none"> • CNS Annual Meeting Update • CNS Journal and the Surgeon’s Armamentarium updates and video • CV participate rates robust in CNS journals • Need for CNS/CV Section collaboration on content overall and especially for NEXUS • In 2017, expanded collaboration with CNS Education Division and CNS Annual Meeting SPC • CNS online education update, SANS Written Boards Live Course • New regional Stroke Symposium update • CNS Foundation, support from the CV Section and members is appreciated 	
<p>III.</p>	<p>Treasurer’s Report Dr. Siddiqui</p>	<ul style="list-style-type: none"> • CV finances are in good stead, net assets over \$1 mil. • Strategic planning committee will help with raising funds • Expenditures reflect Website maintenance, meeting fees, and award expenses • \$20K in investments earnings 	

	<u>Current Year 12/31/2016</u>	<u>Prior Year 12/31/2015</u>
Assets		
Checking & Short Term Investments	229,196	225,652
Accounts Receivable, net of Allowa... Uncollectible Accounts	73,245	44,245
Long-Term Investment Pool, at Mar...	795,427	765,912
Property & Equipment, net of Accum...	184	14,027
Total Assets	<u>1,098,052</u>	<u>1,049,836</u>
Liabilities and Net Assets		
Liabilities		
Accounts Payable and Current Liabi..	19,756	3,500
Deferred Dues	<u>64,092</u>	<u>63,231</u>
Total Liabilities	83,847	66,731
Net Assets		
Unrestricted	831,298	805,853
Unrestricted - Donaghy	57,367	58,226
Unrestricted - Galbraith	30,433	31,271
Unrestricted - Resident	(24,380)	(23,829)
Unrestricted - Leussenhop	19,619	22,249
Unrestricted - Drake	10,099	10,810
Unrestricted - Yasargil Lectureship	63,076	65,476
Net Revenue (Expense)	<u>26,693</u>	<u>13,048</u>
Total Net Assets	1,014,204	983,104
Total Liabilities and Net Assets	<u>1,098,052</u>	<u>1,049,836</u>

	FY '15 Final	FY '16 Final	FY '17 YTD	FY '17 Budget
Revenues				
Membership Dues	56,558	60,160	29,380	58,750
Contributions/Sponsorships	54,500	32,500	15,000	15,000
Contributions for Operating Expenses	7,868	9,356	5,102	8,903
Annual Meeting Revenue	365,863	381,135	0	350,000
Total Revenue and Support	484,789	483,152	49,482	432,653
Expenses				
Audio Visual	3,914	20,344	3,768	10,000
Bank Fee	1,159	1,324	135	1,200
Contributions & Affiliations	25,000	35,000	15,000	50,000
Decorating	301	219	0	500
Facility	0	0	0	0
Food & Beverage	13,710	19,585	4,963	16,000
Honoria & Awards	44,392	42,717	2,616	45,000
Office & Other Supplies	205	55	0	100
Photocopy	7	0	0	25
Postage & Distribution	314	264	42	500
Printing/Typesetting	268	9	4	300
Website	15,200	14,120	8,883	8,200
Administrative Assistance	0	8	0	15,000
Telephone	306	95	0	500
Volunteer Travel	312	8,868	1,584	2,500
Tours/Transportation	723	1,410	825	0
Staff Coordination	9,639	10,344	5,188	12,328
Annual Meeting Expense	315,592	306,335	0	320,000
Total Expense	431,042	460,697	43,007	482,153
Investment Earnings	29,402	(4,999)	20,218	0
Net Excess (Loss)	83,149	17,456	26,693	(49,500)

Balance Sheet

Account Receivable: Actual \$67,554

Contributions/Sponsorships	Amounts:	Date Paid:
Toshiba Medical Center (Still waiting on payment)	\$15,000	

Account Payable and Current Liabilities – Actual \$19,756

DePuy Synthes Resident (FY15)	\$3,500
Yasargil Lecture & Travel Reimbursement (FY16)	\$2,000
Donaghy Award (FY16)	\$500
CNS Annual Meeting invoice in September 2016	\$13,756

Expenses

Audio Visual – Budget \$10,000, Actual \$3,768

The \$3,768 consisted of Audio Visual related expenses at the CNS Annual Meeting in the fall of 2016.

Bank Fee: Budget \$1,200, Actual \$135

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

Contributions and Affiliations Budget: \$50,000, Actual \$15,000

Contributions/Sponsorships	Amounts:
Education Grant for NINDS/CNS Getch Scholar Award through CNS Foundation	\$15,000

Food & Beverage – Budget \$16,000, Actual \$4,963

The CV Section food and beverages at the CNS Annual Meeting in the fall of 2016.

Honoraria & Awards – Budget \$42,000, Actual \$2,616	
Honoraria & Awards:	Amounts:
Synthes	\$1000
Drake Lecture Award	\$500
Galbraith Award	\$500
Cost to produce the Awards Certificates	\$616
Website – Budget \$8,200, Actual \$8,883	
The cost of depreciation on the website is \$6,903 and \$1,980 for the website maintenance.	
Volunteer Travel – Budget \$2,500, Actual \$1,584	
CV speaker travel reimbursement for Jovin Tudor and Aquilla Turk.	
Tours/Transportation – Budget \$0, Actual \$825	
CV Dinner Transportation at the CNS Annual Meeting in September 2016.	
Staff Coordination: Budget \$12,328, Actual \$5,188	
Financial Management \$2,266	
Membership Management \$2,836	
Development Management \$86	

<p>IV.</p>	<p>CAST Update Dr. Siddiqui</p>	<p>NESAC Membership – 9 member committee- 2 3-year terms, staggered</p> <ul style="list-style-type: none"> • Brian Hoh (UF) Neurosurgery JCVS 2020 • Adnan Siddiqui (Buffalo) Neurosurgery JCVS 2019 • Howard Riina (NYU) Neurosurgery JCVS 2018 • Tudor Jovin (Pittsburgh) Neurology SVIN- Chair 2020 • Ossama Zaidat (Toledo) Neurology SVIN 2019 • Italo Linfante (Miami) Neurology SVIN 2018 • Phil Meyers (Columbia) Neuroradiology SNIS 2020 • Aquilla Turk (MUSC) Neuroradiology SNIS 2019 • Colin Derdeyn (U Iowa) Neuroradiology SNIS 2018 <p>Updates</p> <ul style="list-style-type: none"> • Programs Approved - 22 • Practice Track Candidates Approved – 113 (pending CAST) • Applications pending – 118 • NES subspecialty Examination Starts March 2017 (offered 2 times per year) <p>How to Apply</p> <ul style="list-style-type: none"> • Senior Society Webpage: www.societyns.org • Click on Subspecialty training & fellowships (CAST) tab • Click on either program or individual certification for Neuroendovascular Surgery <p>Landmark Paper</p> <ul style="list-style-type: none"> • Accepted with minor revisions in Stroke <p>After 2020, all will be required to be CAST certified – prior to that programs are being grandfathered</p>	
<p>V.</p>	<p>Fundraising/Strategic Planning Drs. Siddiqui, Zipfel</p>	<ul style="list-style-type: none"> • Definition of strategic planning outlined • JSCV Mission statement reviewed • Develop a strategic planning committee to review and update the mission of the JCVS, establish a long-term vision for the JCVS, and develop the necessary infrastructure and processes to achieve this long-term vision. • Above includes long-term vision on fundraising for the CV Section <p>A unanimous motion was passed to move forward with a strategic plan and committee</p>	
<p>VI.</p>	<p>MOC/Vascular Module Drs. Bendok, Siddiqui</p>	<ul style="list-style-type: none"> • ABNS/SNS Initiative to create Neuroendovascular Subspecialty certification Examination and MOC Process Lead by Greg Thompson ABNS, SNS, CAST, CV Section (Past-Chair) with NESAC • Examination prepared - 300 questions Potential roll out unclear • Neurosurgery Knowledge Update textbook completed 	

<p>VII.</p>	<p>3C Meeting Dr. Siddiqui</p>	<ul style="list-style-type: none"> • 10th Annual Meeting - June 25-28, 2017, Four Seasons Resort, Jackson Hole, WY • Co-Chairs: Alex Khalessi & Guilherme Dabus • Focus on Open & Endovascular complications, new technologies and New directions • Day 1 Aneurysms, Day 2 Stroke, Day 3 Everything else • More information at 3Cmeeting.com 	
<p>VIII.</p>	<p>Annual Meeting Updates 2017 CV AM Dr. Arthur</p>	<ul style="list-style-type: none"> • February 20-21, JW Marriott Houston Galleria, Houston, TX • Chairs: Arthur (CV Section), R. James (SNIS) • Over 412 registered, last year with onsite over 500, likely 2017 will be the same • Fellows course over 35 	
	<p>2017 AANS Meeting Update Dr. Jankowitz</p>	<ul style="list-style-type: none"> • Monday, April 24 2:00 PM – 5:30 PM • Yasargil Lecture – Dr. Hopkins • “Innovation: From Concept to Clinical Relevance-Lessons Learned” <ul style="list-style-type: none"> ○ Dr. Charbel • Wednesday, April 26 2:00 PM – 5:00 PM <ul style="list-style-type: none"> ○ Donaghy Lecture – Robert Rosenwasser ○ “Optimizing Cerebrovascular Training” <ul style="list-style-type: none"> ▪ Dr. Day, Dr. Albuquerque, Dr. Harbaugh ○ “BNI 3.0 – Strategic Plan for Neurosurgical Care, Teaching, and Research” <ul style="list-style-type: none"> ▪ Dr. Lawton 	
	<p>2017 ISC Dr. Huang</p>	<ul style="list-style-type: none"> • Invited Symposium Session • 140. Multimodality Treatment for Arteriovenous Malformations • Wednesday, February 22, 2017, 3:30 pm - 5:00 pm • Nine talks, titles and speakers were presented to group 	
	<p>2017 CNS Annual Meeting Drs. Stavropoula, Simon</p>	<ul style="list-style-type: none"> • Initially we were securing speaker commitments but then were corrected by the CNS leadership that only suggestions are required at this point • Two afternoon sessions <ul style="list-style-type: none"> ○ Abstracts, guest lecture by Dr. Basant Misra, Drake lecture (TBD) • Guidelines session <ul style="list-style-type: none"> ○ 90 minutes: AVMs, aneurysm/sah, ischemic stroke <p>Practical Courses</p> <ul style="list-style-type: none"> • Advanced Cerebrovascular Surgery: 2D and 3D Operative Video-based Surgical and Anatomical Pearls • Thrombectomy Tips and Tricks • New Devices and Technology in Cerebrovascular Neurosurgery (includes Aneurysm treatment, ICH, Stroke) • Complications in Cerebrovascular Neurosurgery 	

		<ul style="list-style-type: none"> • Lunch and Dinner Seminars TBD <p>Interactive sessions</p> <ul style="list-style-type: none"> • Panel discussions/point-counter point with a panel of prominent surgeons • Hopefully cases provided by audience members • Topics: <ul style="list-style-type: none"> ○ AVM ○ Aneurysms 	
<p>IX.</p>	<p>Standing Committee Updates</p> <p>Cerebrovascular Coalition/CSC Certif/Abbott CMS Coverage Update Dr. Bambakidis</p>	<ul style="list-style-type: none"> • Notes for CVC Call 1-31 <ul style="list-style-type: none"> ○ Projects: FDA hearings regarding registries for acute stroke devices (Feb 2); CV section participating with SNIS with negotiations regarding merging registries and proposing that this may be the “registry of choice” for acute stroke. May consider following up with CVC letter of support for this with final public comment due March 2. ○ CSC Editorial submitted to Stroke for publication and awaiting editorial comments. <p>Some concern that it will be duplicative and end up unfunded Dr. Bambakidis was charged with developing a consensus letter with Katie Orrico</p> <ul style="list-style-type: none"> • Joint Commission TAP call update <ul style="list-style-type: none"> ○ prompted by EMS bypass of “stroke centers” in LA in preference to hospital system considerations ○ JC is strongly considering a “tiered” system TBD, for centers which could be capable of AIS intervention without necessarily meeting all requirements for CSC certification ○ No feedback from meeting to date. JC approached to consider CVC as participant of JC TAP process 	
	<p>MACRA Education Project Dr. Bambakidis</p>	<ul style="list-style-type: none"> • Consideration for a MACRA educational project for CVC members by Josh Hirsch (ASNR) 	
	<p>Matrix and Milestones Dr. Bambakidis</p>	<ul style="list-style-type: none"> • Alpha test version of Portal is being demo’d by small group of PDs for feedback • Content development for CV materials: <ul style="list-style-type: none"> ○ Led by Charlie Prestigiacomo ○ Compiled a list of over 170 articles mapped to milestone elements ○ Will be loaded onto Portal for use with direct links ○ Future work will involve use of Book Chapters, educational products from AANS/CNS 	

	<p>CNS Education Division Drs. Bambakidis, Nakaji</p>	<ul style="list-style-type: none"> Subspecialty Section of the CNS Education Division: <ul style="list-style-type: none"> CV Section Members – Brian Jankowitz, Jason Wilson Aiding in developing new content for the “Lifecycle Map” for CNS members Working closely with Section Leadership in liaisons for educational products of the CNS (annual meeting content, etc) Call for content – NEXUS, and presentation of the platform – caters to short attention span of residents – in between journal and technical articles – can pull in anything owned by CNS-eventually linked to Matrix & Milestones and CNS LMS <p>Clarification on how NEXUS is different the Erounds</p>																																																																																																																																															
	<p>QOD Dr. Mocco</p>	<p>QOD Recruitment Update – 50% growth 200 in last month</p> <table border="1" data-bbox="447 638 1593 1154"> <thead> <tr> <th colspan="4">Table 1: Patient Recruitment</th> <th colspan="3">Center</th> </tr> <tr> <th>Center</th> <th>Cumulative</th> <th>30 days</th> <th>7 days</th> <th>Cumulative</th> <th>30 days</th> <th>7 days</th> </tr> </thead> <tbody> <tr><td>AHN</td><td>61</td><td>10</td><td>3</td><td>AHN</td><td>97</td><td>7</td><td>1</td></tr> <tr><td>CNS</td><td>2</td><td>0</td><td>0</td><td>Augusta</td><td>6</td><td>0</td><td>0</td></tr> <tr><td>CUSPINE</td><td>101</td><td>7</td><td>1</td><td>CNS</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>MountSinai</td><td>83</td><td>0</td><td>0</td><td>CUSPINE</td><td>131</td><td>9</td><td>2</td></tr> <tr><td>Oklahoma</td><td>177</td><td>14</td><td>5</td><td>JMH</td><td>104</td><td>26</td><td>5</td></tr> <tr><td>Peoria</td><td>164</td><td>10</td><td>2</td><td>MountSinai</td><td>91</td><td>0</td><td>0</td></tr> <tr><td>TMH</td><td>66</td><td>3</td><td>0</td><td>Oklahoma</td><td>223</td><td>10</td><td>3</td></tr> <tr><td>TVHLNEURO</td><td>75</td><td>1</td><td>0</td><td>Peoria</td><td>197</td><td>7</td><td>0</td></tr> <tr><td>UBNS</td><td>148</td><td>0</td><td>0</td><td>TMH</td><td>98</td><td>2</td><td>0</td></tr> <tr><td>UCSF</td><td>43</td><td>0</td><td>0</td><td>TVHLNEURO</td><td>95</td><td>5</td><td>1</td></tr> <tr><td>UNM</td><td>133</td><td>0</td><td>0</td><td>UBNS</td><td>148</td><td>0</td><td>0</td></tr> <tr><td>UVA</td><td>7</td><td>0</td><td>0</td><td>UCSF</td><td>43</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>1060</td><td>45</td><td>11</td><td>UNM</td><td>147</td><td>6</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td>UTSW</td><td>33</td><td>5</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td>UVA</td><td>7</td><td>0</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td>Total</td><td>1422</td><td>77</td><td>12</td></tr> </tbody> </table> <p>Talks currently in place with NVQI about combining registries – pros and cons to both registries Ongoing discussions between FDA and all “stroke stakeholders” to create a unified registry for stroke technology approval QOD/NVQI vs GWTG</p>	Table 1: Patient Recruitment				Center			Center	Cumulative	30 days	7 days	Cumulative	30 days	7 days	AHN	61	10	3	AHN	97	7	1	CNS	2	0	0	Augusta	6	0	0	CUSPINE	101	7	1	CNS	2	0	0	MountSinai	83	0	0	CUSPINE	131	9	2	Oklahoma	177	14	5	JMH	104	26	5	Peoria	164	10	2	MountSinai	91	0	0	TMH	66	3	0	Oklahoma	223	10	3	TVHLNEURO	75	1	0	Peoria	197	7	0	UBNS	148	0	0	TMH	98	2	0	UCSF	43	0	0	TVHLNEURO	95	5	1	UNM	133	0	0	UBNS	148	0	0	UVA	7	0	0	UCSF	43	0	0	Total	1060	45	11	UNM	147	6	0					UTSW	33	5	0					UVA	7	0	0					Total	1422	77	12	
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<p>Washington Committee Update Dr. Woo</p>		<ul style="list-style-type: none"> Beginning on July 1, 2017, neurosurgeons in Florida, Kentucky, Louisiana, Nevada, New Jersey, North Dakota, Ohio, Oregon, and Rhode Island are required to report information on post-operative visits furnished during the 10- and 90-day global period of certain specified procedures using CPT code 99024. These procedures include those that are reported annually by more than 100 practitioners and that are either reported more than 10,000 times annually or have more than \$10 million in annual allowed charges. Neurosurgeons who practice in practices with fewer than 10 practitioners (including physicians and qualified non-physician practitioners) are exempted from required reporting. <table border="1" data-bbox="449 516 1587 915"> <tr> <td>22513</td> <td>Perq vertebral augmentation</td> <td>63030</td> <td>Low back disk surgery</td> </tr> <tr> <td>22514</td> <td>Perq vertebral augmentation</td> <td>63042</td> <td>Laminotomy single lumbar</td> </tr> <tr> <td>22551</td> <td>Neck spine fuse&remov bel c2</td> <td>63045</td> <td>Remove spine lamina 1 crvl</td> </tr> <tr> <td>22558</td> <td>Lumbar spine fusion</td> <td>63047</td> <td>Remove spine lamina 1 lmbr</td> </tr> <tr> <td>22600</td> <td>Neck spine fusion</td> <td>63056</td> <td>Decompress spinal cord lmbr</td> </tr> <tr> <td>22612</td> <td>Lumbar spine fusion</td> <td>63081</td> <td>Remove vert body dcmprn crvl</td> </tr> <tr> <td>22630</td> <td>Lumbar spine fusion</td> <td>63650</td> <td>Implant neuroelectrodes</td> </tr> <tr> <td>22633</td> <td>Lumbar spine fusion combined</td> <td>63685</td> <td>Insrt/redo spine n generator</td> </tr> <tr> <td>22830</td> <td>Exploration of spinal fusion</td> <td>64555</td> <td>Implant neuroelectrodes</td> </tr> <tr> <td>35301</td> <td>Rechannelling of artery</td> <td>64561</td> <td>Implant neuroelectrodes</td> </tr> <tr> <td>61312</td> <td>Open skull for drainage</td> <td>64581</td> <td>Implant neuroelectrodes</td> </tr> <tr> <td>61510</td> <td>Removal of brain lesion</td> <td>64718</td> <td>Revise ulnar nerve at elbow</td> </tr> <tr> <td>62264</td> <td>Epidural lysis on single day</td> <td>64721</td> <td>Carpal tunnel surgery</td> </tr> </table> <ul style="list-style-type: none"> 35301 Thromboendarterectomy - wRVU 21.16 <ul style="list-style-type: none"> 99232, 99233, 99238 – Intra-time 50 min Total time 133min wRVU 16.49 without post-op visits 61312 Craniotomy hematoma supratentorial, extra/subdural – wRVU 30.17 <ul style="list-style-type: none"> 99231 x 6, 99232 x 4, 99233 x 1, 99238 – Total time 373min wRVU 16.77 without post-operative visits 61510 Craniotomy brain tumor supratentortial except meningioma – wRVU 30.83 <ul style="list-style-type: none"> 99231 x 4, 99232 x 2 , 99238 – Total time 198 minutes wRVU without post-operative visits 23.73 	22513	Perq vertebral augmentation	63030	Low back disk surgery	22514	Perq vertebral augmentation	63042	Laminotomy single lumbar	22551	Neck spine fuse&remov bel c2	63045	Remove spine lamina 1 crvl	22558	Lumbar spine fusion	63047	Remove spine lamina 1 lmbr	22600	Neck spine fusion	63056	Decompress spinal cord lmbr	22612	Lumbar spine fusion	63081	Remove vert body dcmprn crvl	22630	Lumbar spine fusion	63650	Implant neuroelectrodes	22633	Lumbar spine fusion combined	63685	Insrt/redo spine n generator	22830	Exploration of spinal fusion	64555	Implant neuroelectrodes	35301	Rechannelling of artery	64561	Implant neuroelectrodes	61312	Open skull for drainage	64581	Implant neuroelectrodes	61510	Removal of brain lesion	64718	Revise ulnar nerve at elbow	62264	Epidural lysis on single day	64721	Carpal tunnel surgery	
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<p>Coding and Reimbursement Update Dr. Woo</p>		<ul style="list-style-type: none"> 75894 and 75898 were reviewed by the RAW at the October RUC meeting and presented by Clemens Schirmer Proposed waiting until data after 2016 is available as 75894 utilization was impacted by a GU procedure Proposed waiting until data after 2016 is available as 75898 will be impacted by the thrombectomy codes 																																																					

	Rapid Response Update Dr. Woo	<ul style="list-style-type: none"> • Nothing to Report 	
	Joint Guidelines Committee & CV Section Guidelines Committee Dr. Khalessi	<ul style="list-style-type: none"> • Recently Endorsed (developed by external organizations) <ul style="list-style-type: none"> ○ Guidelines <ul style="list-style-type: none"> ▪ Guidelines for the Management of Severe Traumatic Brain Injury (4th edition) (Brain Trauma Foundation), published in Neurosurgery, 2016 ▪ Anticoagulation Reversal (Neurocritical Care Society) published in Neurocritical Care, 2016 ▪ Healthcare-associated ventriculitis and meningitis guideline, 5th edition (IDSA), published in 2016 ○ Consensus Statements <ul style="list-style-type: none"> ▪ Large Hemispheric Infarction (Neurocritical Care Society) published in Neurocritical Care, 2015. • Section-Level Guidelines Efforts Society of Vascular Nursing (SVN) <ul style="list-style-type: none"> ○ Carotid Endarterectomy Nursing Guidelines ○ Reviewed and Endorsement Recommended November 2016 	
	National Quality Forum Update Dr. Bulsara	<ul style="list-style-type: none"> • Nothing to Report 	
	SNIS Update Dr. Frei	<ul style="list-style-type: none"> • Description of Get Ahead of Stroke campaign • Progress Report and Goals • High-impact PR campaigns • How to get involved 	

	<p>SVIN Update Dr. Brian Jankowitz</p>	<ul style="list-style-type: none"> • 2017 Meeting – 10th Anniversary <ul style="list-style-type: none"> ○ Sheraton Boston Hotel, Boston, MA ○ Scientific program coordinator <ul style="list-style-type: none"> ▪ Thanh Nguyen • Raul Nogueira will step down as president • Italo Linfante will take over <p>Call for surgically oriented topics Discussion on getting more SVIN participation in CV/SNIS meeting</p>	
	<p>International Liaison Update Dr. Niemela</p>	<ul style="list-style-type: none"> • ESMINT (+joint day with EANS CV) Nice September 7-9, 2017 <ul style="list-style-type: none"> -5 AANS/CNS speakers - Siddiqui, Fargen, Bederson, Welch, Schirmer • -EANS Annual Congress Venice October 1-5, 2017 <ul style="list-style-type: none"> -8 AANS/CNS speakers (Spetzler, Hopkins, Barrow, Zuccarello, Dehdahsti, Welch, Lanzino, Morcos) • -US - Europe CV Section Initiative for Observer / Fellow exchange <ul style="list-style-type: none"> -20 centers on both sides willing to participate • -US – Europe AVM treatment consensus meeting initiative <ul style="list-style-type: none"> -European meeting in Milan Dec 1, 2016 <p>Discussion whether to join the European consensus statement or draft CV’s own. Group decided to wait until after both the upcoming AHA/ASA AVM guideline and the European statement are published and then consider comment.</p>	
	<p>Neurocritical Care Society Guideline Update Dr. Amar</p>	<ul style="list-style-type: none"> • No new projects initiated • White paper on Quality measures in NCC • Writing group being formed • Targeted Temperature Management • Completion late in 2017 • No anticipated documents for CV Section to review soon • Information provided on number of institutes/countries • Current studies supported by NCRN • Discussion on Guidelines that the committee is working on 	
	<p>YNS Update Dr. Howard</p>	<ul style="list-style-type: none"> • Neurosurgerymatch.org is live <ul style="list-style-type: none"> - Collaboration between AANS, Senior Society and YNC - “nsapplicants.boards.net” - “neurosurgeryhub.org” • Twitter: @youngneuros Medical Student Chapters • - New: BU, Baylor 	

		<p>- 95 Total, including 5 international 3,005 members Call for medical student involvement in CV Section</p>																			
	<p>Brain Attack Coalition Dr. Judy Huang</p>	<ul style="list-style-type: none"> Revised and Updated Recommendations for Acute Stroke Ready Hospitals, Primary Stroke Centers, Comprehensive Stroke Centers, and Stroke Systems of Care Vascular Neurosurgical and Endovascular Expertise Neurologic surgery training programs are typically focused on subspecialty areas such as vascular disease, endovascular surgery, skull-based tumors, spinal surgery, etc. Several of the prior BAC documents refer to ‘vascular neurosurgical expertise’ and ‘neuro-endovascular expertise,’ without details of how this is defined and documented. As an example of how this might be better defined, the multidisciplinary Committee of Accreditation of Subspecialty Training (CAST) has developed a process to recognize fellowship programs for vascular neurological surgery and neuroendovascular training.⁴² There will be a process to recognize physicians who prospectively complete an approved program. There will also be a procedure for physicians already in practice to receive retrospective approval or credit for training and expertise in vascular neurologic surgery and/or neuroendovascular therapy.⁴³ In addition (or as an alternative) to completion of a vascular neurosurgical or neuroendovascular fellowship or training (as defined by CAST), other criteria to demonstrate expertise might include a) certification by another professional organization with expertise in these areas, b) prior training in a residency with high vascular neurosurgical volumes, c) case logs, d) publication record, and e) obtaining hospital privileges for performing relevant procedures. Examples of such procedures include carotid endarterectomy, clipping and coiling of intracranial aneurysms, placement of ventricular drainage devices, and performing decompressive craniectomies. Recommendation to request that CAST consider seeking recognition from the Leapfrog organization. Katie Orrico may be able to help. 																			
	<p>Membership Committee Update Dr. William Mack</p>	<p>Winter 2017 Membership Update</p> <table border="0"> <tr> <td>Adjunct</td> <td>39</td> <td>\$100</td> </tr> <tr> <td>Active</td> <td>389</td> <td>\$150</td> </tr> <tr> <td>Lifetime</td> <td>107</td> <td>\$0</td> </tr> <tr> <td>International</td> <td>59</td> <td>\$50</td> </tr> <tr> <td>Medical Student</td> <td>54</td> <td>\$0</td> </tr> <tr> <td>Resident/ Fellow</td> <td>1735</td> <td>\$0</td> </tr> </table>	Adjunct	39	\$100	Active	389	\$150	Lifetime	107	\$0	International	59	\$50	Medical Student	54	\$0	Resident/ Fellow	1735	\$0	
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		<p>CV Membership Committee composition</p> <ul style="list-style-type: none"> • Stacey Quintero Wolfe • Clemens Schirmer • Andrew Grande • Andrew Ducruet New Membership Fall 2016 <p>CV Section: New Members</p> <table border="1" data-bbox="449 493 1037 860"> <tr> <td data-bbox="449 493 758 802"> <p>Active</p> <p>Graham Gould Joshua Osbun Constantine Plakas Azam Amed Ryan Herbert Yashar Kalani Nirav Patel Anthony Wang</p> <p>Adjunct</p> <p>Hana Choe</p> </td> <td data-bbox="758 493 1037 802"> <p>Medical Students</p> <p>Melissa Chua Rui Feng Ricardo Daniel Gonzalez Rios Sze Kiat Tan Robert Ziechmann</p> </td> </tr> </table> <p>New Membership Initiatives</p> <ul style="list-style-type: none"> • International Members, Medical Students • Continue ongoing recruitment efforts • Adjunct Membership • Encourage participation of practitioners form allied disciplines. Grow the membership and diversity of the section 	<p>Active</p> <p>Graham Gould Joshua Osbun Constantine Plakas Azam Amed Ryan Herbert Yashar Kalani Nirav Patel Anthony Wang</p> <p>Adjunct</p> <p>Hana Choe</p>	<p>Medical Students</p> <p>Melissa Chua Rui Feng Ricardo Daniel Gonzalez Rios Sze Kiat Tan Robert Ziechmann</p>	
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	<p>NREF Dr. Cockroft</p>	<ul style="list-style-type: none"> • Continuing to collaborate with NREF to increase fundraising for the CV Section. • CV Section has matched a \$20K per year for 5 years donation from Dr Arvind Ahuja for a clinical fellowship to be named in honor of Dr Nick Hopkins. • Kate Carney AVM Research Grant - grant funded by a generous donation from the family of a young girl who succumbed to a brain AVM • First edition of a donor prospectus for CV Section related activities is now available. • Actively soliciting corporate and individual donations. • Donations can be made via the NREF website. • Visit http://www.nref.org/Donate.aspx/, select the area you wish to support (Education, Outcomes and Research), and then select the CV Section option as the group to which you would like your donation directed. 			

	Newsletter Committee Dr. Ducruet	<ul style="list-style-type: none"> Nothing to Report Verbal - Winter issue is out, Spring is being written 	
	Curriculum Development Dr. Bendok	<ul style="list-style-type: none"> Nothing to Report 	
	Bylaws/Rules & Regulations Committee Update Dr. Schirmer	<ul style="list-style-type: none"> Current language “.. December 15 of the year preceding election. 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 may consist of one candidate per post with the exception of candidates for Members-at-Large and Nominating Committee candidates.” <p>not necessarily in concordance with some of the slates in previous elections.</p> <ul style="list-style-type: none"> Task to clarify this and allow for more than one candidate for secretary and treasurer positions <p>Discussion ensued about whether to clarify or not, Dr. Schirmer was charged with drafting a clarification for review by the CV EC and Parent organizations.</p>	
	Website Committee Update Dr. Welch	<p>Committee composition and Website traffic</p> <div data-bbox="541 886 1335 1430"> <p>Website Committee Chair</p> <ul style="list-style-type: none"> Babu G. Welch, MD <p>Section Editors</p> <ul style="list-style-type: none"> Clemens M. Schirmer, <i>Christoph Griessenauer, Ning Lin, Justin Singer and Clemens M. Schirmer (News Section)</i> William Mack & Jonathan Russin (<i>Patients</i>) Rabih Tawk & Ajit Thomas (<i>Membership</i>) Rose Du & Aditya Pandey (<i>Meetings</i>) Amir R. Dehdashti & Asterios Tsimoas (<i>Education</i>) <p>Jan 1, 2016 - Jan 1, 2017: ● Pageviews Dec 30, 2014 - Dec 31, 2015: ● Pageviews</p> </div> <p>Discussion of CV History and need to archive documents for the sake of continuity. Suggestion made that we do that through the website’s document storage area.</p>	

Our History

For centuries, cerebrovascular ischemia (stroke) has captured the interest of physicians and scientists alike. The focus of this interest is to find new ways to prevent the occurrence of and minimize the injury caused by poor blood flow to brain tissue. In 1981, the Joint Cerebrovascular Section of the AANS & CNS was created with the purpose of unifying likeminded neurosurgeons to facilitate the academic discussion of cerebrovascular disease.

The following links review the history of the CV Section from its origins to recent years:

[Origins](#)

[Early Years](#)

[Coming of Age](#)

[Recent Years](#)

Erounds Cases discussion. Update on progress, working through details.

International website update provided

International

Section Editor: Chirag D. Gandhi

The Joint Cerebrovascular Section (JCV) of the AANS/CNS is dedicated to globally expanding the understanding of cerebrovascular disease and its innovative treatments through international educational and scientific collaboration.

The goals of our international mission are to:

- Encourage international members to join and contribute to the increasingly diverse cerebrovascular community through conference-based and online discussions.
- Form partnerships with other international societies to create informative and innovative annual meetings.
- Promote exchange international training opportunities through a comprehensive directory.
- Expand the collaboration of all cerebrovascular physicians in both US-based and International Clinical Trials and Registries.

	<p>Nominating Committee Update Dr. Lavine</p>	<p>CV Section Nominating Committee</p> <p>Sean Lavine, MD, Chair Brian Hoh, MD Kevin Cockroft, MD Greg Zipfel, MD Carlos David, MD Clemens Schirmer, MD Adam Arthur, MD</p>	<p>Nominations to the Section's open positions for 2017/18 Chair-Elect: J Mocco Vice-chair: Babu Welch Secretary: Clemens Schirmer Member-at-Large: Alex Khalessi, Brian Jankowitz Nominating Committee: Stavropoula Tjounakaris, Andrew Ducruet</p> <p>Electronic Ballots sent out on February 1st per the CV Section bylaws along with the candidates' personal statements and curriculum vitae.</p> <p>Elections open until March 15, 2017 Winners will be announced to the general public on April 1.</p>		
<p>Discussion regarding the need for more people to vote. Suggestion made that additional emails be sent beyond the initial one, as reminders for more participation.</p>					
<p>Potential Bylaws Change</p> <ul style="list-style-type: none"> • We have apparently been in violation of our bylaws for the past 5 yrs+ by having more than one candidate for officer positions: <ul style="list-style-type: none"> ○ December 15 of the year preceding election. 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 may consist of one candidate per post with the exception of candidates for Members-at-Large and Nominating Committee candidates. ○ Additional nominees, with appropriate qualifications 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. • January 15 of the election year. The final slate of candidates for election will be submitted to the membership <p>Dr. Mack charged with looking into Twitter for voting</p>					

	<p>Robert J Dempsey, MD Cerebrovascular Resident Research Award Update Dr. Baskaya</p>	<ul style="list-style-type: none"> The 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 2015-16. Of the outstanding applications, winners of this award for 2015-16 are: <p>Christopher P. Carroll, MD from University of Cincinnati with his project, “Non-Traumatic Sulcal Subarachnoid Hemorrhage in a Porcine Model: Induction of Cortical Spreading Depolarization and Early Cortical Ischemia”</p> <p>Visish M. Srinivasan, MD from Baylor College of Medicine with his project, “Endovascular Delivery of Allogenic Human Mesenchymal Stem Cells Transfected with the Delta-24 Oncolytic Virus in a Canine Model of Glioblastoma”</p>	
	<p>IAC carotid stent facility accreditation standards Dr. Cockroft</p>	<ul style="list-style-type: none"> Only 6 carotid stent accredited labs IAC still considering accrediting facilities to perform mechanical thrombectomy for acute ischemic stroke A survey of potential stakeholders is being conducted to gauge interest – no results available as yet Call for Proposals for the 2017 IAC Research Award Program Letter of Intent Due March 1, 2017 IAC seeks to support innovative and meritorious research relevant to accreditation and quality improvement Purpose of the research award is to gain insights into the accreditation process and its value to medicine and society. Interested individuals are encouraged to submit proposals that advance the IAC Research Committee’s mission of Strengthening Accreditation Through Research. Grants up to a maximum of \$75,000 (including institutional overhead) will be awarded. Awards are for one year, although continuation awards are possible. Important Dates <ul style="list-style-type: none"> Letter of Intent Submission Due ... March 1, 2017 Notification for Letter of Intent Decision ... April 3, 2017 Proposal Submission ... June 1, 2017 Notification of Award ... September 2017 Participants applying for this opportunity should review complete details and submit a letter of intent to IAC no later than March 1, 2017. For questions or a variables list, please contact Mary Beth Farrell, MS, IAC Director of Research, at 800-838-2110 or e-mail research@intersocietal.org. For complete details about the IAC Research Award Program, including links to published abstracts and manuscripts, visit intersocietal.org/research. 	
<p>X.</p>	<p><i>Old Business</i></p>		
	<p>Resident & Fellow Endovascular Courses Update Dr. Arthur</p>	<ul style="list-style-type: none"> Introduction to Cerebrovascular Neurosurgery for Junior Residents Practical Clinic . <ul style="list-style-type: none"> To expose Jr. residents to what it means to be a combined cerebrovascular surgeon Held at AANS meeting Erol Veznedaroglu, J Mocco, Mandy Binning, and Chris Kellner 3D Anatomy for Residents (emphasis on vascular) <ul style="list-style-type: none"> To review anatomy with emphasis on open cerebrovascular approaches 	

		<ul style="list-style-type: none"> ○ Held in Houston each August ○ Michael Lawton ● AANS Endovascular and Open Cerebrovascular Course for Senior Residents <ul style="list-style-type: none"> ○ To practice endovascular and open surgical techniques with reperfused cadaver and live models ○ Held at MERI, October 19-21, 2017 ○ Erol Veznedaroglu, Michael Lawton, Adam Arthur ● ENRG Boot Camp for Beginning Endovascular Fellows <ul style="list-style-type: none"> ○ To prepare fellows entering fellowship ○ Held at 3C meeting ○ Andy Ringer ● CV Section/SNIS Joint Fellows Courses – Future? <ul style="list-style-type: none"> ○ To expose fellows in training to didactics and new technology ○ Held at CV Section and SNIS Meetings ○ 1 CV Section and 1 SNIS director ● AANS/SNIS/SVIN Endovascular Course for Senior Fellows <ul style="list-style-type: none"> ○ To practice endovascular techniques with live models ○ Held at MERI, September 15-17, 2017 ○ Erol Veznedaroglu and Adam Arthur 	
	<p>Travelling Fellowship Update Dr. Arthur</p>	<p>Goal:</p> <ul style="list-style-type: none"> ● Establish an endowment for the CV section to fund award for practicing cerebrovascular physicians to spend a one-week observational fellowship at a recognized center of excellence. Applicants would request a focus on a specific disease or surgical procedure (i.e. embolization of AVMs, etc) <p>Target Population:</p> <ul style="list-style-type: none"> ● CAST accredited cerebrovascular physicians (not restricted to neurosurgeons) <p>Funding to-date:</p> <ul style="list-style-type: none"> ● \$250,000 over next five years from one sponsor, expect a second similar pledge in two months <p>Structure of Award Committee:</p> <ul style="list-style-type: none"> ● We will need to establish a committee to vet centers and applicants and to choose recipients (ideally, the center has a busy elective schedule for the target procedure or disease on the designated week). Sponsors may be offered the chance to appoint a member 	
	<p>Brain Aneurysm Foundation/C. Getch Research Award Update Dr. David</p>	<ul style="list-style-type: none"> ● Nothing to Report 	
XI.	<i>New Business</i>		

	SIR writing group for Stroke outcome guidelines for endovascular therapy Update Dr. Lavine	<ul style="list-style-type: none">• Stroke Outcome Guidelines for Endovascular Therapy<ul style="list-style-type: none">○ Lavine, Schirmer, Khalessi• Final Stages of Writing<ul style="list-style-type: none">○ Process Oriented Metrics○ Silent on issues of specialization, certification or center volumes○ Ongoing debate on expected off-label clinical outcomes	
	AHA Hospital Accreditation Dr. Hoh	<ul style="list-style-type: none">• Nothing to Report	
	Meeting Adjourned	<ul style="list-style-type: none">• Meeting adjourned at 12:15 pm	