Attendees

Kevin	Cockroft,	Chair	

Gregory Zipfel, Chair Elect

Carlos David, Vice Chair

J Mocco, Secretary

Adnan Sidiqqui, Treasurer

Arthur, A	David, C	Huang, J	Orrico, K	Welch, B
Bambakidis, N	Friedlander, R	James, R	Ringer, A	Wolfe, S
Bouros, A	Fox, C	Jankowitz, B	Schirmer, C	Woo, H
Bulsara, K	Gandhi, C	Lavine, S	Siddiqui, A	Zipfel, G
Carlson, A	Hasan, D	Mack, W	Simon, S	
Chitale, R	Hoh, Brian	Mocco, J	Singer, J	
Cockroft, K	Howard, B	Nimjee, S	Webb, S	

Annual Meeting Updates

2017 AANS Meeting (Drs. Arthur, Jankowitz)2016 CNS Meeting (Drs. Jankowitz, Stavropoula)2017 CV Sect/SNIS (Drs. Arthur and James)2017 ISC (Drs. Huang, Kim, and Ducruet)

Standing Committee/Project Updates

QOD (Drs. Connolly and Mocco) CAST/Training Standards (Drs. Siddiqui and Day) Washington Committee (Katie Orrico & Dr. Woo) Coding & Reimbursement (Drs. Woo and Schirmer) Rapid Response Committee (Dr. Woo, Khalessi and Mocco) JGC/CV Section Guidelines Committee (Dr. Khalessi) National Quality Forum (Dr. Bulsara and Khalessi) Cerebrovascular Coalition, (Drs. Bambakidis, Cockroft, Amin-Hanjani,) SNIS update (Dr. Arthur) SVIN Liaison (Dr. Jankowitz) International Liaison/ ESMINT (Dr. Niemela/Dr. Mocco) Neuro-Critical Care Society Update (Dr. Samuels) YNS Liaison (Dr. Brian Howard) Brain Attack Coalition (Dr. Huang) Membership Update (Dr. Mack) NREF Update (Dr. Zipfel and Dr. Groff, Peter Kuhn, & Cathy Powers) Fundraising Committee (Dr. Zipfel) Newsletter Committee (Dr. Bulsara and Ducruet) Curriculum Development and Education Committee (Dr. Bendok) MOC Vascular Module (Drs. Bendok and Siddiqui) Matrix and Milestones (Dr. Bambakidis) Bylaws/Rules & Regulations Committee (Dr. Schirmer) Website Committee (Drs Welch, Du, et al.) Nominating Committee (Dr. Hoh)

Old Business Updates

Resident and fellow courses (Drs. Mocco, Mack, Veznedaroglu, Arthur) IAC carotid stent facility accreditation standards (Drs. Cockroft & Patel) 3C meeting (Dr. Siddiqui) Brain Aneurysm Foundation, BAF/CV Sect C. Getch Research Award (Drs. David & Zipfel)

New Business

CNS Foundation Board (Dr. Cockroft)

SIR writing group for Stroke outcome guidelines for endovascular therapy (Dr. Lavine) Stroke Outreach (Dr. Schirmer) Knowledge Gap (Dr. Khalessi) AHA Hospital Accreditation Committee (Hoh)

I.	Call to Order Dr. Kevin Cockroft Approval of Minutes from CV EC meeting – Chicago, IL Dr. J. Mocco	 Dr. Cockroft called the meeting to order at 2:05 pm. Minutes were presented from AANS CV EC Meeting 2016 – Chicago, IL 	Motion to approve minutes was seconded and unanimously approved
П.	CNS Annual Meeting Update Dr. Scarrow	 Dr. Scarrow – ACCME reaccreditation, will be judged on and required to provide more interactive learning model – one-way faculty model does not work; need more hands on deck for recommendations on how CNS can help CV section; presented flat fee for meeting concept Dr. Cockroft offered that augmenting afternoon sessions would be good, perhaps more discussion around philanthropy Dr. Welch concerned that although flat fee may be initially popular, could cause people to move between session more fluidly and cause disruption; raising the level of technology for presentations necessary, audio & visual is subpar Dr. Simon offered that CSNS brought expert facilitator in to improve meeting, Dr. Schirmer recommended trying as pilot and offer both traditional and flat fee model to see what happens Dr. Cockroft reminded group about need for CV reps to CNS 	
ш.	Treasurer's Report Dr. Adnan Siddiqui	 Totals net assets greater than \$1 million; \$775K long term interest, about \$70K in AR for money owed to CV from CV AM/SNIS, checking & short term investments at \$194 K, liabilities around \$43K – mostly from unpaid website hosting, deferred dues and what CV owes toward fellowships Annual Meeting budget extremely conservative at a bit over \$400K, meeting is expensive to produce, but 2016 was a financial success as well as academic win, total net income over \$143K, which is more than \$50K than projected budget 	

		 Dr. Siddiqui recommended that section should do a better job of raising funds – mandates – and deciding outcomes for funds raised Dr. Welch ask for clarification on Drake award, Dr. Cockroft provided Dr. Cockroft offered that Dempsey award is 2 \$15K awards, sponsored lab research; also negotiation with major donor – can we do travelling fellowship; 3 big items for awards – clinical, lab, ongoing fellowships – Dr. Arthur provided that traveling fellowships would be supported by endowment and industry funds – 2 step process, week off to brush up on skills with expert colleagues at respected centers – needs continuity and strategy to be successful – would be competitive award to add to CV, Dr. Mocco strongly supports the concept Dr. Siddiqui asked group to consider support NREF 	
IV.	Annual Meeting Updates 2016 CNS Meeting Update Dr. Brian Jankowitz	 Monday, September 26 3:15 PM – 4:45 PM Abstracts Drake Lecture – Gary Steinberg "The Future of Cerebrovascular Surgery" Tuesday, September 27 3:15 PM – 4:45 PM Abstracts Panel Discussion – "Creating the Optimal Neurovascular Team" Panel Discussion – "Intracranial Hemorrhage: Trial Updates" 	
	2017 CV AM Dr. Adam Arthur	 February 20-21, JW Marriott Houston Galleria, Houston, TX Chairs: Arthur (CV Section), R. James (SNIS) Abstract submission is open now through October 17 	
	NREF Update Dr. Zipfel, Dr. Groff AANS/NREF Treasurer - Dr. John Wilson, AANS CFO - Peter Kuhn NREF CDO – Cathy Powers	 NREF Grant and Fellowship Programs Research Grant/Young Clinician Investigator Awards (RG/YCI) Post-Residency Clinical Fellowship (PRCF) Medical Student Summer Research Fellowship (MSSRF) William P. Van Wagenen Fellowship (VW) Online applications open until November 1, 2016 Dr. Groff wants to make sure everything is going smoothly and wants CV feedback Dr. Cockroft gave updates on Chandler family donation of \$15K; noted that there are specific areas of NREF where CV can designate funds; encouraged donations 	

	2017 AANS Meeting Update Dr. Brian Jankowitz	 Monday, April 24 2:00 PM – 5:30 PM Abstracts Yasargil Lecture – Nick Hopkins Wednesday, April 26 2:00 PM – 5:00 PM Donaghy Lecture – Robert Rosenwasser "Optimizing Cerebrovascular Training" Dr. Day, Dr. Albuquerque, Dr. Harbaugh "Lessons Learned During a Four Decade Neurosurgical Career" Dr. Spetzler Business Meeting 	
	2017 ISC Dr. Judy Huang	 Plans underway, session being structured AVM management 	
V.	Standing Committee Updates QOD Update Dr. J Mocco	 Dr. Mocco presented stats; greater than 666 patients entered, centers are getting and running, feeling optimistic – please continue Continuing to look at challenging items and ways to improve, system getting easier Dr. Cockroft strongly urges group to participate Dr. Bambakidis concerned about degree of change to existing system; Dr. Welch introduced red cap concern, discussion with Dr. Mocco ensued 	
	CAST/Training Standards Update Dr. Adnan Siddiqui	 CAST process moving well – every 2 months – 9 members & CAST Leadership review applications – close to 100 Getting ready to submit to JAMA 17 programs accredited, expect 150% growth Dr. Cockroft mentioned that grandfathering open only until 2020, cert. for endovascular Dr. Mocco seconds importance – creates consensus – must embrace and engage 	
	Washington Committee Update Dr. Woo, Katie Orrico	 Concurrent Surgery – Letter from Orrin Hatch and US Senate Finance Committee to top US Hospitals asking for definition A movement initiated by Chuck Grassley ACS submitted a letter but no different than current CMS guidelines CMS collecting Data on Global Surgery as required by MACRA RUC Surgical Workgroup: Greg Przybylski 99024 Post-operative visit code does not have a level of service New G codes created mandating documentation of post service visits in 10 minute increments for all 10 and 90 day global codes Letter sent to CMS signed by 112 members of Congress even during the time Congress was not is session 	

Coding and Reimbursement Update Dr. Woo	 MACRA Medicare Access & Chip Reauthorization Act Scheduled for implementation on Jan 2017 Phase in July 2017 Medicare Part B is \$70 bill Physician reimbursement is only 9% of Medicare budget Neurosurgery is only \$700mill Raise the low volume threshold to 30K vs 10K or fewer than 100 Medicare patients to be exempt from MIPS or APM Press Release and Comment Letter sent Minimize reporting burden PQRS or 20 patients Episodes of care Stroke Carotid Endarterectomy
	 PAMA Protecting Access to Medicare Act (2014) CMS to require consultation of appropriate use criteria when ordering imaging studies Choosing wisely topics Low Back pain Sinus CT Minor Head injury Headache Febrile seizure
	 CMS has funded R-Scan to help clinicians and radiologists order studies more efficiently 2017 proposed MPFS published Mechanical thrombectomy/IA lysis and IA infusion codes presented and RUC accepted the specialties recommendations for 61645, 61650, 61651 RUC recommended 17, 12, 5.5 CMS interim value 15, 10, 4.5 CMS rationale was that these procedures were outpatient and used an outpatient crosswalk Meeting with CMS and Edith Hambrick on 12/4 to request refinement Refinement Panel March 2, 2016 along with SIR ACR ACC SVS July 2016 the MFPS for 2017 did not change the values pp 266-268 RUC January Second survey of 61640-2 completed as the RUC felt they were a part of the family of codes with the recently thrombectomy codes. New values will be active for 2017 however still is not covered by CMS ICD-10 grace period is over 75898 and 75894 to be reviewed at the RAW

		TABLE 9:	Proposed Global Service Codes			
		GXXX1	Inpatient visit, typical, per 10 minutes, included in surgical package			
	Inpatient	GXXX2	Inpatient visit, complex, per 10 minutes, included in surgical package			
		GXXX3	Inpatient visit, critical illness, per 10 minutes, included in surgical package			
		GXXX4	Office or other outpatient visit, clinical staff, per 10 minutes, included in surgical package			
	Office or Other Outpatient	GXXX5	Office or other outpatient visit, typical, per 10 minutes, included in surgical package			
		GXXX6	Office or other outpatient visit, complex per 10 minutes, included in surgical package			
	Via Phone or	GXXX7	Patient interactions via electronic means by physicians/NPP, per 10 minutes, included in surgical package			
	Internet	GXXX8	Patient interactions via electronic means by clinical staff, per 10 minutes, included in surgical package			
Rapid Response Update Dr. Henry Woo	o Pilot P	 Policy Reporter Software Pilot Project on 61645 – Of 31 negative policies 23 now deem mechanical thrombectomy as medically necessary and have reversed prior non-coverage policies. 				
Joint Guidelines Committee & CV Section Guidelines Committee Dr. Alex Khalessi	Dr. Bambakidis	 Nothing to report Dr. Bambakidis offered that AVM guidelines in peer review, stroke center writing group in draft Society of Vascular Surgery – paper Oct. 15 				
National Quality Forum Update Dr. Ketan Bulsara	minutes and NiDraft letter, bro	modipine adr ought back up	on the two policies of concern (reading of CT scans within 45 ninistration for 21 days) – both adjusted, now states CT within 45 minutes or or as soon as ation can determined by physician			

Cerebrovascular Coalition/CSC Certif/Abbott CMS Coverage Update Dr. Nicholas Bambakidis	 CSC Chair Change approved Editorial RE: CSC approval process complete Endorsed by AANS/CNS, SVIN, SNIS, ASNR SSWG of AAN endorsed but sent to Practice Committee CVC Chair sent letter to PC Chair requesting AAN endorsement Plan for submission to Stroke Washington Committee to assist in PR/Public Education dissemination as well once published Dr Hirsch to work with Katie RE: MACRA impact on CVC members JC Technical Advisory Panel RE: CSC certification NCB, J Mocco, B Hoh What is the correct title for the physician who is providing administrative and clinical leadership to a stroke program – medical director, physician champion, or another title? Does the initial assessment of a stroke patient need to be done by a physician or are there circumstances where an APN or PA could perform the initial assessment? When is it acceptable to use a modified NIHSS? Minimal response/interest regarding changes to CSC certification process 	
SVIN Update Dr. Brian Jankowitz	 Dr. Jankowitz mentioned that they need to come up with concrete plan 3 tiered potential stroke center model Joint work MACRA TED advisory panel – survey – CE process, modified stroke scale, nurses PA Dr. Mocco offered that they didn't feel like they were there quite yet, poor idea to hire stroke interventionist, no app for minimums 	
SNIS Update Dr. Adam Arthur	 SNIS & CV good relationship; work to keep lines of communication open Collaborative programs Brain Attack Coalition – Stroke care issues Neurovascular Coalition – Neurovascular issues ACGME Endovascular Surgical Neuroradiology Fellowship Meeting programming Standards Currently writing/revising standards pertaining to the management of acute ischemic stroke aneurysms with flow-diversion, vertebroplasty/kyphoplasty, carotid revascularization with stent-angioplasty, platelet testing for INR procedures, and dural fistulas SNIS Annual Meeting - San Francisco, CA - 886 attendees AANS/CNS Joint CV Section Annual Meeting -Los Angeles, CA - 535 attendees 	

	 JNIS – continues to increase impact factor – if continues will surpass parent journals Societal Converging Goals Pay for performance evaluation and issues Medicare reductions in payment Standards of practice – stroke, carotids, aneurysms Defining the appropriate randomized trials Coding – angiography bundling "Comprehensive Stroke Center" designation Refining standards of training in Endovascular (CAST) Generating resident interest in Neurovascular Dr. Cockroft mentioned collaborative registry – discuss with NPA, taskforce – 2 from all 3 groups – to combine Dr. Siddiqui offered that this is the next biggest effort to streamline training, congratulated Dr. Arthur as president-elect. for 2018 Dr. Lavine stated that updated MOU Dr. Bambakidis offered information about AAN rep., vanguard communication neurointerventionist hospitals, AA effort, SNIS get ahead of stroke-public info, SNIS open to working with CV 	
SVIN Meeting Update Dr. Brian Jankowitz	SVIN meet NovemberBrooklyn, NY	
International Liaison Update Dr. J Mocco	 ESMINT (+joint day with EANS CV) Nice - September 7-9, 2017 -5 AANS/CNS speakers EANS Annual Congress Venice - October 1-5, 2017 -5 AANS/CNS speakers -US - Europe CV Section Initiative for Observer / Fellow exchange	
Neurocritical Care Society Guideline Update Dr. Arun Amar	 Dr. Mack provide report on behalf of Dr. Amar Devastating Brain Injury part II Abandoned after poor reception by organized NS and others Targeted Temperature Management Writing group compiling research Anticipated completion in 2017 Possible topics being considered for next writing project: White paper to define quality metrics in neurocritical care Guideline for the evidence-based use of osmotherapy in neurocritical care Final decision pending soon 	

YNS Update Dr. Brian Howard		 Dr. Howard – nothing to report – more substantial update in February Dr. Wolfe provided update on NeurosurgeryMatch.com 				
Brain Attack Coalition Dr. Judy Huang	Will incorporateDr. Cockroft su	 Dr. Huang reported – stroke ready hospital, debate 24/7 CRA vs. PSC Will incorporate CV experts – what does it require? Dr. Cockroft suggested offering 4th tier – credentialing of experts, CAST for open CV; Dr. Bambakidis met with Drs. Day and Amin Hanjani 				
Membership Committee	• Dr. Mack provi	de an update on	member stats:			
Update Dr. William Mack	Member Class	Member Subcla	ss 2016 Dues	# of Members		
DI. William Mack	ADJUNCT	60D	\$150.00	43		
	ACTIVE	01S	\$150.00	382		
	LIFETIME	25S	\$0.0	105		
	INTERNATIONAL	. 40S	\$50.00	60		
	Medical Student	15M	\$0.0	33		
	Resident/Fellow	50R	\$0.0	1,528		
	New Membersh	hip Fall 2016				
	 Moneeb Eh 	tesham	Active			
	 Marshall C. 	Cress	Active			
	 Matthew F. 	Lawson	Active			
	 Michael R. 	Levitt	Active			
	 Rafael A. O 		Active			
	Adam J. Po		Active			
	 Ben Waldat 		Active			
	Andrew M.		Active			
	R. Webster	Crowley	Active			
	 Hai Sun 		Active			
	• Kenneth S.	Blumenfied	Active			
	 Marco Lee 		Active			
	 Gabriel Cal 		Internatio			
	 Shyam Duv 		Intl Resid			
	Pablo Harke		Intl Resid			
	 Euclides C. 	Effio	Internatio	nal		

	 New Membership Initiatives International Members, Medical Students Continue ongoing recruitment efforts Adjunct Membership Encourage participation of practitioners from allied disciplines. Grow the membership and diversity of the section 	
Fundraising Committee Update Dr. Gregory Zipfel	Nothing to report	
Newsletter Committee Update Dr. Ketan Bulsara	 Dr. Bulsara said that he would cycle off after December issue Passing to Dr. Ducruet, Dr. Mocco recommended developing a protocol Dr. Davis to be assigned as junior editor 	
Curriculum Development & Education Committee Dr. Bernard Bendok	 Dr. Bambakids offered report on behalf of Dr. Bendok CNS Education Division – now headed by Dr. Bambakidis Subcommittee established to identify critical topics in each neurosurgical specialty and identify gaps in CNS' current catalog of live and online courses Will propose new subspecialty based live courses and online courses based on identified gaps May interface with Portal Editorial Board regarding educational material submitted/required Need at least one liaison volunteer from each Section 	
MOC Vascular Module Update Dr. Adnan Siddiqui	 Dr. Siddiqui offered – MOC – 1st effort at creation text book for MOC – lots of changes – ABNS reconfiguring 10-year cycle – more of annual process, streamlined – in practice – product developed. Covers all of neurosurgery. ABNS moving forward with sub-specialties certification exam – available for those getting CAST certified –Dr. Thompson is running- vet 300 CV questions, Dr. Cockroft said that oral board format will change in spring – 1 general, 1 subspecialty, 1 on own case 	
Matrix and Milestones Update Dr. Nicholas Bambakidis	 Portal Editorial Board Due to Launch October CV Section Members Charles Prestigiacomo, Clemens Schirmer, Scott Simon, Chad Washington, Babu Welch, Stacey Wolfe, Henry Woo Editing milestones – 6-8 months of edits 	
Bylaws/Rules & Regulations Committee Update Dr. Clemens Schirmer	 Recent amendment presented to the membership in accordance with article XIII of the rules and regulations and approved with a 93% approval rating. Approved by AANS 9/21/2015, CNS approval pending 9/25/2015 Uploaded and available on the website 	

		 Has already language in place for unforeseen succession challenges (e.g. tumor section) No recent new business 	
	Website Committee Update Dr. Babu Welch	Website Committee Chair • Babu G. Welch, MD Section Editors • Clemens M. Schirmer & Tarun Bhalla (News Section) • William Mack & Jonathan Russin (Patients) • Rabih Tawk & Ajit Thomas (Membership) • Rose Du & Aditya Pandey (Meetings) • Amir R. Dehdashti & Asterios Tsimpas (Education) • Scott Simon (Research) • Chirag Gandhi (International) • Committee strong, gave history and comparison, update on sessions • Update on Mcase/erounds – case discussions—if not CNS members, will have to come up with alternative • Update on research portal via CV website– submit Dr. Scott Simon for review	
	Nominating Committee Update Dr. Sean Lavine	 Nominations open until 15th Will have conference call and then ballot 	
VI.	Old Business Robert J Dempsey, MD Cerebrovascular Resident Research Award Update Dr. Mustafa Baskaya	• Nothing to report – consistent funding	
	Resident & Fellow Endovascular Courses Update Dr. Adam Arthur	 2016 Neuroendovascular Techniques Course for Fellows MERI, Memphis, TN, October 7-9 Chairs: Veznedaroglu, Arthur, Berenstein Faculty: Alan Boulos, Clemens Schirmer, Lee Jensen, John Barr, Rafa Ortiz, Andy Stemer 2016 Endovascular and Vascular Techniques for Senior Residents MERI, Memphis, TN, October 20-23 Chairs: Veznedaroglu, Lawton, Arthur Faculty: Louis Kim, Rocco Armonda, Mandy Binning, Ricardo Hanel, Anil Nanda, Jay Howington 	

		Dr. Mocco added that there are 2 additional, 1 day for junior residents via AANS Dr. Ringer 101 bootcamps linked with 3C course, for in coming fellows tuition free if register for 3C	
	IAC Carotid Stent Facility Accreditation Standards Dr. Kevin Cockroft	 Still only 6 carotid stent accredited labs IAC now considering accrediting facilities to perform mechanical thrombectomy for acute ischemic stroke A survey of potential stakeholders is being conducted to gauge interest 	
	3C meeting Dr. Adnan Siddiqui	 3C meeting – mid-June, went well-150 attendees, 110 physicians, 30 International Planning next meeting – probably mid-June 2017 Co-director Alex Khalessi and Guilherme Dabus – open to offer to negotiate if 10% if attendees come 	
	Brain Aneurysm Foundation/C. Getch Research Award Update Dr. Carlos David	 BAF has a new website, CV is represented on it We should get them on CV site Gave \$310K - trying to get to \$5Mil 	
VII.	<i>New Business</i> CNS Foundation Board Dr. Kevin Cockroft	 CNS Foundation Board of Directors CNS looking for CV rep. for Foundation board Participate in four BOD meetings or calls annually, typically held either as a conference call or as an in-person meeting in conjunction with one of the major national meetings. Each Director is expected to make a personal donation, in some amount, to the Foundation. Each Director is asked to generate a minimum of \$2,500 in personal or other individual donations through outreach Staff will support BOD fundraising activities by providing donation reports, solicitation materials, etc. 	
	SIR writing group for Stroke outcome guidelines for endovascular therapy Update Dr. Sean Lavine	• SIR – 6 months for document	
	Stroke Outreach Dr. Clemens Schirmer	 Controversial webinar – speakers huge success Make engagement more formal 	
	CNS Knowledge Gap Dr. Alex Khalessi	 ACCME Review at CNS – proactively taking part in review Remove this item from next meeting 	
	AHA Hospital Accreditation Dr. Brian Hoh	Nothing to report	

	Meeting Adjourned	Meeting adjourned at 3:30 pm	
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