

Pediatric Short Cuts

AANS/CNS Section on Pediatric Neurological Surgery

CHAIR'S MESSAGE



As pediatric neurosurgeons, we are repeatedly given credit for work that is carried out by teams of physicians, APPs, nurses, techs, residents, students, ancillary providers, and nonprofit organizations. We don't work in isolation. Rather, the dictum "It takes a village" cannot be overemphasized when caring for children with complex neurological problems and their families. On behalf of the pediatric neurosurgery community, this Chair's message will be devoted to thanking "the village," those individuals and teams who support us, our patients, and our mission. I'm grateful for the work of all our committees, and I'd like to use this space to highlight how at least three of our Section committees are engaging our colleagues in education, research, advocacy, and leadership activities. But before doing so, I'd like to start with a personal message of gratitude to my own "village" in Madison: my physician colleagues Andy and Raheel, our APPs Lisa, Sue and Emily, our nurses Catie, Jenny, Amanda and Sarah, our schedulers Kris and Paige, our administrative assistant and de facto team psychologist Anna, and all the lab personnel, nurses, residents, techs and staff who care for our patients, support our mission, and make my work a daily pleasure.

Advance Practice Providers

There's no better place to start than with Haley Vance, DNP, APN, CPNP-AC and Elisha Peregino, CRNP, who've established and co-chaired the inaugural APP Committee. Haley, Elisha, and their committee members assembled a master list of pediatric neurosurgery nurse practitioners and physician assistants. In partnership with the local APP hosts, they organized the APP sessions at the Annual Meetings in Utah and DC, and their work was so exemplary that they were given a permanent seat on the Annual Meeting Planning

Committee. The APP Committee has engaged with other Section committees, starting with the QI and Transition of Care committees, while also initiating plans for a variety of education and networking sessions geared for APP practice, including journal clubs, case studies, and webinars. The APPs' serious engagement in the Section is now reflective of the position they've always held as our Partners in patient care.

Fellows, Residents, and Students

Thanks to the outstanding leadership of our Members-at-Large led by Cormac Maher, a Young Pediatric Neurosurgeons Committee has been established. Chaired by Michael McDowell, the main goal of the committee is to increase representation of a diverse group of young neurosurgeons (students, residents, fellows) in Section affairs. Young neurosurgeons have been assigned to many of the 35+ committees and subcommittees of the Section, all of whom have already participated or are starting to participate meaningfully in the activities of their chosen committees. In the Spring 2022 issue of Pediatric Short Cuts, we highlighted the work of senior resident Yosef Dastagirzada, who's serving as the first "young neurosurgeon" member of the Section's Executive Council. In this issue, we highlight George Koutsouras, a PGY-5 resident who's helping extensively with the Website Subcommittee, QI Committee, and the newly established History Committee of the Section. If you attended our 2022 Annual Meeting in Washington, DC, you may have remarked that the number of resident and fellow awards has been significantly expanded, in line with the Section's commitment to our young neurosurgeons. So please encourage your residents and students to attend future conferences.

Nurses and Techs

The hidden figures essential to our surgical outcomes and our patients' well-being are the nurses, APPs, techs and staff in the clinics and the operating rooms. While most of these individuals are unable to attend the Annual Meeting, they possess their own complementary skill and knowledge

Chair's Message continued on page 2

In this Issue...

Richard Anderson (Editor)

Senior Advisory
Committee Report..... 2

Treasurer’s Report 2

The Timothy George Committee
on Diversity and Inclusion in
Pediatric Neurosurgery..... 4

International Relations
Committee 5

International Traveling
Fellowship in
Pediatric Neurosurgery..... 5

Resident Traveling
Fellowship in
Pediatric Neurosurgery..... 6

National Meetings Report 6

Quality Improvement
Committee 7

2022 Pediatric Section
Annual Meeting 8

Education Committee..... 9

Communications Committee
Report..... 10

Research Committee 12

Guideline Committee Update..... 13

Trainee Spotlight:
Yosef Dastagirzada, MD..... 14

AANS/CNS Joint Section
on Tumors..... 14

Young Neurosurgeon Pediatric
Neurosurgery Subcommittee
(YNPNS) 15

Advanced Practitioners (APP)
Committee Report..... 15

ABPNS Report Spring 2022 16

Honor Your Mentor Funds..... 17

AANS/CNS Section on
Pediatric Neurosurgery Officers
and Committees..... 18

*The views reflected in this newsletter
are solely the views of the authors
and do not necessarily represent the
views, opinions or positions of either
the AANS or the CNS.*



and are eager to learn and advance. It is time to show all members of our clinical teams our appreciation, and give them the opportunity to both benefit from and contribute to Section activities. Our first project, which started at the 2021 Annual Meeting in Utah, was to provide them with virtual access to the conference. Again this year, for a nominal fee of \$100, we offered a virtual link to the conference and we plan to have that become a recurrent offer in future conferences. Importantly, this link is sharable among all the team members, meaning that only one link is needed per institution. So, keep this in mind next year, and involve your OR and clinic teams in the conference by providing them a virtual link, and give them a heads up so they set time aside for this special educational opportunity. Enthusiastically, the APP Committee is already advocating for this important initiative and is in the process of establishing a Nurse and Tech Subcommittee that would generate a vision and goals for this segment of the healthcare team.

Nonprofit Patient Support Societies

The Section EC would like to recognize our patients and the nonprofit patient support groups and societies they’ve established to complement our work in clinical care, quality, advocacy, education, and research. Several of these societies have shown long-standing support to the Section by providing awards for best podium presentations at our Annual Meetings. More elaborate partnerships and synergies are long overdue. To that end, the Education Officer on the Chair’s Committee on Planning and Development and our future treasurer, David Limbrick, is now initiating steps to establish a Nonprofit Advisory Council (NAC). Specific NAC goals include aligning the Section’s programs with the needs of the patient community, sustaining patient-oriented research, and garnering patient support for Section initiatives and research. David and his team will update us on these efforts in future newsletters.

Industry

I’d be remiss if I didn’t mention the importance of industry partnership and support to our mission and the well-being of our patients. This year, exhibitor support for the Annual Meeting was at an all-time high. In the future, we look forward to engaging further with our industry partners by initiating new education and research agreements that promote the mission, in conjunction with the already established NREF and CNS Foundation funds.

Finally, I’d like to congratulate the Annual Meeting Committee led by Bob Keating and Hasan Syed for an outstanding conference in DC, and wish you all happy holidays and a prosperous new year.

Bermans J. Iskandar

Picture Legend: My childhood village, Bikfaya, Lebanon

TREASURER'S REPORT

Ruth E. Bristol, MD, FAANS

The Pediatric Section remains in good financial health. Total net assets as per the last (6/30/2022) financial statement totaled \$1,450,609. This is a slight increase from the prior year (\$1,282,747) and continues to reflect a comfortable reserve to support an entire annual meeting, plus section activities for around two years without any revenue.

Annual Meeting

The section offered a primarily in-person meeting again in 2022. The virtual component was continued to expand availability to the meeting, but at a reduced cost to national attendees, and free for international attendees. This is an effort to boost international presence in keeping with the theme of the meeting. The expense for the 2022 Annual Meeting for the AANS/CNS Joint Section in Pediatric Neurological Surgery is estimated at \$327,413, which is comparable to prior years. When meeting revenue, dues payments and financial support and staff time is included, a net budget excess of \$68,252 is expected for the year.

Long Term Investments

The section's long-term investment account has suffered the same fate as other markets, with a loss of \$219,598 to \$912,199. Short-term investments are down \$68,173 to \$179,781. The section's long-term investments are handled via a pooled investment portfolio with the other sections, which allows the sections to get into funds not otherwise available to smaller investors.

Honor your Mentor Funds

As of 3/31/2022, the A. Leland Albright fund has accumulated \$52,265 (with \$14,904 in investment earnings) and after disbursement of \$28,600 has a remaining balance of \$38,569. The Sanjiv Bhatia fund has accumulated \$62,431 and has not yet had any disbursements, but has achieved the 50K benchmark required. The Marion "Jack" Walker fund has accumulated \$25,057, also without disbursement. The Neurosurgical Research & Education Foundation (NREF) is in the process of establishing a Jerry Oakes HYM fund.

Specific Expenses and Financial Resolutions

The section has expanded its commitment toward its educational and research missions. Between the section research awards, the Pediatric NREF Fellowship grant and domestic and international traveling fellowships, and private foundation donations, the section now offers 12 different awards. Investments with the CNS and AANS of \$250K each also represent opportunities. An ad-hoc committee is in formation to explore partnering with the industry for longstanding support.

Section Administrative Support

The Executive Committee of the section is happy to announce the hiring of Lauren Saenz as the administrative coordinator of the section to provide year-round administrative support and facilitate meeting planning, amongst a myriad of other jobs. Her salary support was approved unanimously by the executive committee.



AMERICAN BOARD OF PEDIATRIC NEUROSURGERY REPORT FALL 2022

Ian Pollack, MD, FAANS, FACS, FAAP, *Chair*

Bruce Kaufman, MD, FAANS, FACS, *Secretary-Treasurer*

Officers and ABPNS Directors

The current Officers of the ABPNS are Ian Pollack—chair, Bermans Iskandar—vice chair and Bruce Kaufman—secretary-treasurer

The other ABPNS directors are David Gruber, Mark Krieger, Karin Muraszko, Jeffrey Ojemann, Mark Proctor, Shenandoah Robinson, Jodi Smith and Abhaya Kulkarni.

ABPNS-Eligible Fellowships

Thirty-two pediatric neurosurgery fellowship programs are certified by the ACPNF to train Pediatric Neurosurgery fellows. In the 2022/2023 academic year, there are 26 ABPNS-eligible fellows.

ABPNS Certification

One of the original goals of identifying and certifying pediatric neurosurgeons was to provide recognition of the subspecialty by the American Board of Medical Specialties (ABMS). Some time ago, the ABMS limited their recognition of new sub-specialty boards; however, they did identify sub-specialization by means of a Recognition of Focused Practice (RFP), which is provided by the main specialty board.

The ABPNS has worked with the ABNS to provide the ABMS-recognized RFP in Pediatric Neurological Surgery. All ABNS diplomates seeking pediatric neurosurgery certification will be progressing toward the RFP in pediatric neurological surgery.

The ABPNS has also collaborated with The Royal College of Physicians and Surgeons of Canada (RCPSC) to provide an equivalent certification. The ABPNS process for RCPSC diplomates is nearly identical to that for ABNS diplomates seeking the pediatric neurological surgery RFP. Successful completion of the process results in an RFP credential issued by the ABPNS and the RCPSC.

All neurosurgeons seeking certification or recertification in pediatric neurosurgery should refer to the ABNS website (<https://abns.org/abpns/>) for details. The organization is available to answer questions about the process and its requirements (contact information below).

ABPNS Written Examination (aka RFP examination)

Passing a written examination in pediatric neurosurgery is part of the credentialing process for both RCPSC and ABNS candidates. The ABPNS suggests that all those seeking pediatric credentialing take the written examination at the latter part of their fellowship or within one year of fellowship graduation. The ABPNS written examination is currently offered once per year in May.

Kari Bollerman will reach out to the ACPNF fellowship directors at the beginning of each academic year to obtain contact information on current fellows. Thereafter, information regarding the application process will be sent directly to the fellow. A letter of good standing will need to be provided by the fellowship directors. For this reason, we usually recommend that the candidates submit their application to the ABPNS between Jan and March in time for the May RFP examination.

The RFP examination for those in fellowship is currently scheduled for May 12, 2023, between 9 am and 11 am Eastern Time.

Pediatric Neurosurgery Oral Examination

Passing an oral examination in pediatric neurosurgery is also part of the credentialing process. This can be accomplished in two ways.

ABNS candidates can meet this requirement by electing to take the pediatric focused version of the ABNS oral examination. A number of ABPNS Directors routinely participate in the ABNS oral examination, which has become virtual since COVID.

RCPSC candidates and ABNS diplomates who did not take the pediatric focused version of the ABNS oral examination should apply for a pediatric oral examination through the ABPNS.

The next ABPNS oral examination is scheduled for December 1, 2022.

ABPNS Recertification

ABPNS diplomates must re-certify every 10 years to remain active. This is also true of diplomates who hold the newer RFP certificate. The recertification process requires the diplomate to apply to the ABPNS. The requirements, which include a 12-month case log of at least 65 pediatric (age 21 and under) cases and a minimum of 85 total surgical cases in the previous year, are listed on the website.

The ABPNS Board meets twice a year to complete these reviews; applications should be submitted by April 1 for the summer review and by October 1 for the winter review.

Continuous Certification (CC)

All ABPNS diplomates who plan to recertify at the end of their time-limited pediatric certificate are required to participate in the ABNS Continuous Certification program (CC). This includes Canadian diplomates who are now able to use the myABNS portal for all of their CC needs.

In addition, all ABPNS diplomates who hold RFPs are required to complete yearly CC in order to retain an active RFP (this is a part of the ABMS recognition of the RFP), even if their certificate is non-time limited.

The ABPNS will be contacting all ABPNS diplomates with non-time limited ABNS certificates to explain what it will take for them to maintain their status and recertify, if that is their plan.

Requests for Change to Certified-Retired Category

ABPNS diplomates who wish to change to the Certified-Retired category must submit their request to the ABPNS Board not later than one year after their current certificate expiration date. Applications for such status change received after this one-year grace period will no longer be considered.

Other items:

ABPNS website: The section continues to work with the ABNS on our website integration, but continues to maintain our own website, primarily for payment processing of recertification applications, and for those applying for the ABPNS oral examination (which is not part of the ABNS oral examination).

For any additional information, please contact our Credentialing Administrator, Kari Bollerman (kbollerman@abns.org) or Secretary, Bruce Kaufman (bkaufman@mcw.edu).

AANS / CNS SECTION ON PEDIATRIC NEUROLOGICAL SURGERY MEMBERSHIP REPORT—FALL 2022

Irene Kim, MD, FAANS, and James Botros, MD, FAANS, *Co-Chairs*

Membership Class	2022 Dues Members	2022 Fall Members	2022 Spring Members	2021 Fall Members	2021 Fall Members	2020 Fall Members
Active	\$150	358	359	383	388	390
International	\$50	34	28	63	62	56
Adjunct/Associate	\$75	29	35	35	29	32
Lifetime	\$0	90	98	97	92	87
Med Student	\$0	7	26	12	15	13
Resident/Fellow	\$0	94	143	129	125	135
TOTAL		612	689	719	711	713

Membership Retention

2022 Dues invoices email notifications sent on 1/28/2022, with 3 subsequent reminders.

Category	Unpaid	Total	% Paid	% Unpaid
Active	91	358	25.4%	74.6%
International	13	34	38.2%	61.8%
Adjunct/Associate	9	29	31.0%	69.0%

Membership Recruitment

- Members inactivated if no dues renewal for more than 1 year.
- No new applications have been reviewed since late 2021. The new online section application form, which was to be launched in April 2022, is still not yet available. It is expected to launch this month.
- Membership Committee will be provided training on approving the section membership applications once available by Jennifer Ocampo-Martinez, AANS director of Org. Affairs and lead staff liaison to the Pediatric Section.
- Individuals who have expressed in joining the Pediatrics Section have been added to an email list for a launch email blast notification once the new application platform is available.
- Members who have been inactivated due to no dues renewal will be contacted and encouraged to re-apply.

2022 PEDIATRIC SECTION ANNUAL MEETING

Robert F. Keating, MD

We are pleased to have recently hosted the 51st Annual Meeting of the Joint Section on Pediatric Neurosurgery in Washington, DC from December 1-4, 2022.

This year's meeting theme was *E Pluribus Unum: Advocacy, Health Care Policy, and the Future of Pediatric Neurosurgery*. A national and international focus was made on advocacy for our kids and their health care needs, especially as it pertains to current and future pediatric neurosurgery.

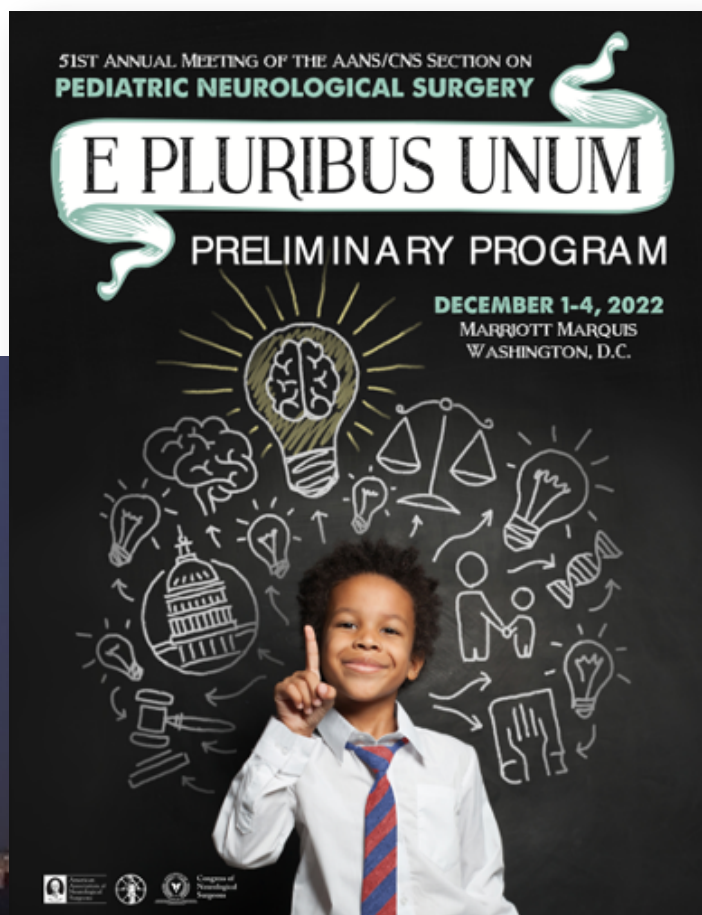
The meeting was in-person, as well as streamed online for those unable to attend in person or from international venues.

Some of the highlights included:

- Keynote speech by Wayne Frederick, MD, president of Howard University
- Keynote speech by Yurii Perekopyko, MD, pediatric neurosurgeon in the Ukraine
- Remarks by AANS present, Ann Stroink, MD
- International Round Table with Drs. Seow (Singapore), Figaji (South Africa) and El Beltagy (Egypt)
- Global Health and Folic Acid Supplementation, by Gail Rousseau, MD
- "History of Hydrocephalus" talk by the eminent Jack Walker, MD

- Challenges and Advocacy of Adult Transition of the Spina Ffida Patient, by Jeff Blount, MD
- Evidence Based Medicine Discussions
- Point-counterpoint debates with experts in the field
- "How to Avoid Surgical Complications" luncheon session with renowned surgeons' experience
- Premeeting with Fellow's Boot Camp, Advanced Practice Providers Meeting and the International Collaborative Section Meeting
- Book reading by author Jay Wellons, MD, "All That Moves Us"

The metropolitan Washington, DC area offered world-class facilities within an extraordinary matrix of innumerable, easy access, historical and cultural attractions. We hope you were able to join us!



NATIONAL MEETINGS SUBCOMMITTEE

Robert Naftel, MD, FAANS, and Raheel Ahmed, MD, FAANS, Co-Chairs

The National Meetings Subcommittee aims to organize pediatric content for the CNS and AANS meetings that will target the unique attendee audience of the national meetings and also complement the pediatric focused annual meetings (Pediatric Section and ASPN). Our goals are to focus on education for general- and pediatric-focused neurosurgeons and trainee physicians by highlighting practice updates, field advancements and topical research updates.

The committee also leverages local pediatric neurosurgeons and their subspecialty strengths to help provide deep and local experiences for the national stage and identify speakers from associated fields.

The recent CNS 2022 in San Francisco recorded excellent registration and attendance from trainee and practicing neurosurgeons. Highlights included sessions on fetal myelomeningocele repair, programmatic development in pediatric-specific clinical pathways and a Complications Symposium that was well received. In line with the CNS mission, Pediatric Section speaker invites focused on junior faculty, trainee representation and a social reception focusing on career development, job search and practice building. Awards for posters in Best Clinical, Basic Science and Operative Technique categories were selected.

The 2023 AANS Annual Scientific Meeting in Los Angeles will highlight Dr. Jerry Oakes as the Matson Lecturer and a keynote address will be given by Dr. Karin Muraszko. On the last day of the meeting there will be a community session co-hosted by the Pediatric and Oncology Sections.

We welcome any suggestions to improve access and broaden impact for the Pediatric Sessions within the national meetings.

ACPNF

Doug Brockmeyer, MD, FAANS

The Accreditation Council for Pediatric Neurosurgical Fellowships (ACPNF) currently accredits 33 pediatric neurosurgery fellowships in the US and Canada. All programs are currently compliant with case log reporting and case minimums. In 2021, all participating programs matched a fellow and we look forward to another successful match this coming year.

There are two new ACPNF Board members, Abhaya Kulkarni, MD and Amy Lee, MD, who replaced Cormac Maher, MD, and Philip Pearl, MD. There is also one new accredited program at the University of Oklahoma with Dr. Andrew Jea as the fellowship director.

The ACPNF sponsors a pediatric neurosurgery fellows bootcamp at the Pediatric Section meeting. The first one was held in Salt Lake City in 2021, and the second was held this year in Washington DC.

For further information regarding the ACPNF, please refer to our website at acpnf.org, where program information, applicant information, program application materials, accreditation requirements and bylaws may be found.

LIAISON TO AANS/CNS SECTION ON TUMORS: Anthony Wang, MD

The field of pediatric neuro-oncology continues to expand at a rapid pace even relative to neurooncology in general, and multi-disciplinary pediatric neuro-oncology teams are, more and more, comprised of neurosurgeons, neuro-oncologists, radiation oncologists, radiologists, pathologists and physiatrists with particular training in the care of children, in addition to expertise in clinical trials, translational development, pharmaceutical discovery and data science surrounding CNS tumors. Many of the recent discoveries in pediatric brain tumor biology have centered on alterations in epigenetic modifiers or heritable changes in the epigenome, including changes in DNA methylation, chromatin remodeling and non-coding RNAs. Alterations affecting the interactions between the SWI/SNF complex and Polycomb, as well as those affecting the ATRX/DAXX complex have come center stage in recent studies.

An anticipated clinical development is expected to be released by the end of 2022 — in development over the past two years, the National Comprehensive Cancer Network has prepared its first “Guidelines for Pediatric Central Nervous System Cancers.” While the recommendation for maximal safe resection in this guideline was based on expert opinion, a 2022 publication more definitively identified the survival benefit of surgical cytoreduction in pediatric high-grade glioma. Two specifically pediatric CNS tumor consortia are currently running clinical trials in the United States (PNOG and Connect), as well as two broader pediatric oncology consortia (COG and SIOPE). Each has opened new pediatric neuro-oncology trials in the past year. The NCI Cancer Moonshot Research Initiatives continue to include pediatric immunotherapy discovery and development, and research on the major drivers of childhood cancers with focus on fusion oncoproteins. Moreover, a recent U01 RFA directed toward forming the “Pediatric Immunotherapy Network” specifically included language regarding submissions involving CNS malignancies.

RESIDENT SPOTLIGHT: George Koutsouras, MPH, DO



Dr. Koutsouras is a fifth year neurosurgery resident at SUNY Upstate in Syracuse, NY. He was born and raised as a first generation Greek-American in Queens, NY. With his father becoming ill at a young age, medicine became his passion. He graduated summa cum laude from New York Institute of

Technology, then obtained his Master of Public Health from SUNY Downstate in Brooklyn, NY, with a focus on epidemiology and global health. After graduate school, he focused on helping manage his father’s construction company and served as a chef at a friend’s Italian restaurant, all while applying to medical school. He received his medical degree from the NYIT-College of Osteopathic Medicine with scholastic honors and was awarded membership into the Gold Humanism Honor Society. He was inspired by the dedication and focus of neurosurgeons that cared for his family members over the years which developed his foundation and passion of neurosurgery.

While in neurosurgery residency, he has been motivated to pursue a focus on pediatric neurosurgery and will enter the pediatric neurosurgery match in 2024. He has served on the Website, Young Neurosurgeon Pediatric Neurosurgery, Quality Improvement and History subcommittees within the Section of Pediatric Neurosurgery. His research is focused on the diagnosis and pathophysiology of post-hemorrhagic hydrocephalus, pathophysiology of recurrent brain tumors and socioeconomics of neurosurgery. He serves as one of the 2022-2023 Council of State Neurosurgical Societies Socioeconomic fellows, AMA resident/fellow section members, and is vice-chair of the Medical State Society of New York resident/fellow section. He is also committed to mentorship and education, serving as chair of his institution’s GME resident and fellow forum and participates in numerous curriculum taskforces at the Norton College of Medicine. His hobbies include HITT exercise, watching sports, playing golf and cooking, but most importantly, loves spending time with his family, his wife and his newborn son.

EXECUTIVE COMMITTEE ADMINISTRATIVE COORDINATOR: Lauren Saenz



Lauren Saenz is our first administrative coordinator for our Executive Committee. During her time with us, she will focus on administratively supporting our EC meetings, as well as our Annual Section Meeting. Lauren is a recent MBA and MHA graduate from the University of Phoenix and also has a Bachelors in Business Management and Marketing from University of Florida.

Away from our EC, Lauren works very closely with our chair elect, Matthew Smyth, as the program coordinator for the Institute for Brain Protection Sciences at Johns Hopkins All Children’s Hospital. Lauren has been with the Institute for Brain Protection Sciences for almost four years and has successfully built multiple programs, expanded clinics, recruited division heads and support multiple committees and councils.

CODING AND REIMBURSEMENT COMMITTEE

Eric Jackson, MD, FAANS

The Pediatric Section is looking for volunteers interested in serving on the section's Coding and Reimbursement committee. Additionally, we are looking for suggestions for the committee to address (e.g., fetal myelomeningocele repair codes, transition of care codes, etc.). Anyone interested please reach out to Eric Jackson at ejackson@jhmi.edu.

HISTORY COMMITTEE

Andrew Kobets, MD, MHS, and John Duncan, MD, PhD, FAANS, *Co-Chairs*

The History Committee of our section in Pediatric Neurosurgery led by co-chairs, Dr. Andrew Kobets and Dr. John Duncan, is newly formulated with the vision to highlight and characterize the origins and development of the field of pediatric neurosurgery. The committee consists of senior and junior pediatric neurosurgeons, as well as trainees. Dr. Teo Dagi and Dr. Jack Walker have provided valuable senior advisership to our committee's action. Its membership has enthusiastically met and shared an array of ideas that span the development of the section and the growth of pediatric neurosurgery as a recognized entity by the AANS/CNS. It will aspire to honor the pioneers responsible for its evolution and for those behind its diversity, equity and inclusion, including women and African-Americans.

As we know that we stand on the shoulders of giants, our inaugural project will aim to capture the development of pediatric neurosurgery through the lens of its senior members. We will conduct video interviews with pioneers in pediatric neurosurgery and their successors for which will be organized and highlighted to the section members. Additional projects include the search for the first 12 annual meeting programs, characterization of the diseases and surgical techniques that hallmark the field of pediatric neurosurgery and the inception of the board certification process. We are excited to share our current and future projects with the section members and the neurosurgery community. After all, as we learn from the past, we can look towards the future.

SONS UPDATE

Gregory Albert, MD, FAANS

SONS continues its "outward facing" focus with activities related to education, advocacy, and policy under the larger umbrella of the American Academy of Pediatrics. The AAP National Conference and Exhibition recently concluded in Anaheim, CA, where SONS was represented with two talks. The first was "Hydrocephalus, Ventriculomegaly, and Macrocephaly: Who Needs Treatment?" by Dr. Eylem Ocal, FAAP and Dr. Brandon Rocque, FAAP. Dr. Ocal and I then presented on "Abusive Head Injury from a Neurosurgical Perspective: What Should Pediatricians Know?" At the recent Section meeting in Washington, DC, we welcomed Dr. Jesse Ehrenfeld, president-elect of the American Medical Association, as this year's SONS lecturer. In addition, given the success last year, we held the SONS educational session in lieu of the SONS business meeting. If you are interested in more activities of the AAP or in joining, please contact me (galbert2@uams.edu) or another member of the SONS executive committee.

YOUNG NEUROSURGEONS PEDIATRIC NEUROSURGERY SUBCOMMITTEE

Michael McDowell, MD, *Chair*

The Young Neurosurgeons Pediatric Neurosurgery Subcommittee recently hosted all interested students, residents, fellows and junior faculty to its in-person meeting at the section meeting on December 3 at 5:30 in the Marquis Salon 12. Following the meeting, the YNPNS held a group dinner for those interested. The YNPNS provides opportunities for early career individuals to engage with organized pediatric neurosurgery through participation in a wide variety of ongoing section initiatives. Inquiries can be directed to Dr. Michael McDowell (mcdowellmm2@upmc.edu).

COMMUNICATIONS COMMITTEE

Carrie Muh, MD, FAANS, and Ben Kennedy, MD, FAANS,
Co-Chairs

The Communications Committee works through five subcommittees.

Social Media Subcommittee

Co-Chairs: Carrie Muh, MD, FAANS, and Smruti Patel, MD

The Social Media Subcommittee has continued working to manage and expand the social media footprint of the Pediatric Section to encourage communication and engagement among and between our members and the wider community. Our mission is to represent pediatric neurosurgery in a professional manner; share research and trials information with the community; keep members aware and updated on educational opportunities, conferences and pediatric neurosurgery job openings and present regular, pertinent content to increase engagement.

The Social Media Subcommittee established and manages accounts on Facebook, Instagram, Twitter and LinkedIn platforms. We have a successful "Feature Fellow Spotlight" series which regularly showcases all the current ABPNS-accredited fellows across all platforms. Our twitter account has more than 3,700 followers and has achieved 29,000 impressions over the past 28 days and regularly achieves thousands of impressions every month. Our Instagram account has more than 1,000 followers. We have had good overlap and feedback with some of the AANS and CNS accounts with sharing of content and stories to promote our mission and increase visibility. We have brought on medical students and residents to ensure that our content is relevant to members in each phase of training and practice. We have regular weekly content including highlighting upcoming meetings, current pediatric neurosurgery fellows, pioneers in our field and the dection educational lecture series. Our subcommittee live tweets and posts on each of the platforms throughout neurosurgery and related meetings to increase interaction among current and future members. The subcommittee will continue to post and share information regarding research and innovation in our field, as well as award and scholarship opportunities available through the Pediatric Section or our parent organizations.

Follow us at our social media accounts:



Instagram (Smruti K. Patel): @aanscns_pedssection
https://www.instagram.com/aanscns_pedssection



Twitter (Carrie Muh): @PedsSection
<https://twitter.com/PedsSection>



Facebook (Smruti K. Patel): AANS/CNS Joint Section on Pediatric Neurosurgery Page
<https://www.facebook.com/PedsSection/>



LinkedIn (Smruti K. Patel; Carrie Muh): AANS/CNS Joint Section on Pediatric Neurosurgery Page
<https://www.linkedin.com/company/75052359/>

Please reach out to Smruti K. Patel or Carrie Muh (smruti.patel@cchmc.org; carrie.muh@wmchealth.org) if you would like the Joint Section to host content related to pediatric neurosurgery (subject to subcommittee review and approval).

Website Subcommittee

Chair: Ben Kennedy, MD, FAANS

The website continues to stay updated with news and meeting information for our members. Interested medical students, residents, fellows and attendings can complete the volunteer form to become involved in the section; the site contains information on pediatric neurosurgery fellowships and research awards and there are links to multiple neurosurgery journals. The Education Lecture Series has a YouTube channel link on our website where anyone can access recordings of the bimonthly events. All our social media accounts are linked to the website, and our Twitter feed is continuously running on the side panel. We look forward to bringing everyone the latest updates and much more.

Survey Subcommittee

Co-Chairs: Eric Sribnick, MD, PhD, FAANS, and Shelly Wang, MD, FAANS

The Survey Subcommittee was designed to allow members with high quality survey studies to distribute their surveys directly to our membership via email. The subcommittee has established a formal process for submitting survey study proposals to be reviewed. They have evaluated and distributed three surveys to the full membership this year and will continue to evaluate and select appropriate surveys for distribution each quarter.

Surveys that members wish to have distributed to the full membership should be submitted to PedsSectionSurveys@gmail.com along with information about the purpose and aims of the survey.

Virtual Meeting Subcommittee

Co-Chairs: Krystal Tomei, MD, MPH, FAANS, FACS, FAAP, and Albert Tu, MD, FAANS

The virtual components of the 2021 and 2022 Annual Meetings were remarkable successes. We are excited that we can now include those members and future members, as well as clinical team members at our home institutions who are not able to travel to DC to be with us in person. The subcommittee will be working with the Annual Meeting Committee and the CNS management team to ensure that the virtual aspects of the meeting continue to get better in the future.

Listserv Subcommittee

Co-Chairs: Nir Shimony, MD, and Jennifer Ronecker, MD, FAANS

The Listserv Subcommittee has been working on restarting a Pediatric Section listserv. They are developing guidelines for posting and are working on ways to regulate content to create a moderated forum for our section membership.

The collage features several key elements:

- Website Header:** "AANS/CNS Section on Pediatric Neurological Surgery" with navigation links for About Us, Meetings, Grants & Fellowships, Education, Newsletters, and Journals.
- Website Content:** Sections for "Pediatric Neurosurgery Podcast", "2022 Annual Meeting Call for Abstracts", and "HONOR YOUR NEUROSURGICAL MENTOR".
- Social Media:**
 - Twitter:** A tweet from @PedSection regarding the 2022 Annual Meeting call for abstracts.
 - Instagram:** A profile for @aans_cns_pedsection with 1,988 tweets, featuring posts about the "E PLURIBUS UNUM" meeting and a "Resident Traveling Fellowship in Pediatric Neurosurgery".
 - Facebook:** A page for "AANS/CNS Joint Section on Pediatric Neurosurgery" with 1,312 followers and 3,718 following, featuring a "28 day summary" and "Top Tweet" by Jeffrey Bourd MD MPh.
- YouTube Channel:** "Pediatric Neurosurgery Section Educational Series" with 111 subscribers, featuring a video titled "AANS Fellowship Lecture: Challenges in Hydrocephalus..." and other educational content.

TIMOTHY GEORGE COMMITTEE ON DIVERSITY AND INCLUSION IN PEDIATRIC NEUROSURGERY

Clarence Greene, Jr., MD, FAANS, FACS, and
Catherine Mazzola, MD, FAANS, *Co-Chairs*



Commencing in 2021, this committee sought to assess, evaluate and improve diversity, equity and inclusionary (DEI) strategies in pediatric neurological surgery throughout our section. Working with our esteemed colleagues (Drs. Alexa Canady, Anthony Wang, Hal Meltzer, Holly Gilmer, Karin Muraszko, Krystal Tomei,

Mari Groves, Sarah Jernigan, Zulma Tovar Spinoza, Laurie Ackerman, Lawrence Daniels, Ann Marie Flannery, Allison Rathmann, Annie Drapeau and Gabbie Johnson) we have had several online meetings to develop plans. Many exciting developments are underway! We have developed DEI awards for the section meetings in 2022 and in the future, to honor and celebrate Dr. Timothy George.

Dr. Annie Drapeau is currently working on a project to enhance our understanding of leadership representation and career advancement in the field of pediatric neurological surgery. The specific aims of this study are two-fold. First, this survey aims to assess whether the relationship between academic and professional success and demographic factors including race, ethnicity or gender. Second, this survey aims to assess the current gender distribution within pediatric neurosurgery leadership across the United States.

We are extremely excited about a new initiative. Along with the organizing committee, we developed an outreach program that hosted approximately 10 high school students from Jackson Reed High School on Saturday December 3rd at the Pediatric Section meeting in Washington, DC, December 1–4, 2022. Activities included attending the sessions, exhibit hall and a luncheon. Several pediatric neurosurgeons volunteered as mentors with special interests in disparity, equality, inclusion and outreach.

One of the ideas that came out of our DEI Committee focused on the development of educational videos for some of the most common pediatric neurosurgical conditions, like hydrocephalus, spasticity, tethered spinal cord, plagiocephaly and craniosynostosis. Dr. Catherine Mazzola's practice had several already made for her practice. We plan to work with the Education committee to consider revising and rebranding these videos or making similar videos, that could be shared with our section members for their patient education.

See examples of videos below:

Hydrocephalus (English and Spanish versions below)

<https://www.youtube.com/watch?v=1S9YQVUCKKM>

<https://www.youtube.com/watch?v=rxqh5ivtv6Q>

Spasticity

<https://www.youtube.com/watch?v=iorOsKUWS4U>

<https://www.youtube.com/watch?v=Ohnf3zPcBqA&t=5s>

Tethered spinal cord

<https://www.youtube.com/watch?v=4MegM5zNDrg>

<https://www.youtube.com/watch?v=sFisotlEwRQ>

Plagiocephaly & Craniosynostosis

<https://www.youtube.com/watch?v=0KPU6cbAOjY>

<https://www.youtube.com/watch?v=S84TnRezTdo>

Jackson-Reed High School is the top performer in the non-magnet High School system in the District of Columbia Public School system and one of the top performers in DCPS overall. Students are required to complete 24 credits for graduation, including courses in Art, English, Health and Physical Education, Mathematics through Calculus, Music, Science, Social Studies and World Languages. Many Jackson-Reed students enroll in advanced courses. As of 2015 Jackson-Reed has one of the largest numbers of Advanced Placement courses and electives in DCPS. In the 2012–2013 school year, Jackson-Reed had a 50% rate of scoring 3–5 in Advanced Placement courses. About 89% of Jackson-Reed graduates continue their education beyond high school, with 77% attending two-year or four-year colleges or universities.

RULES AND REGULATIONS COMMITTEE

Christian Kaufman, MD, FAANS, *Chair*

The Rules and Regulations Committee, with the help of the Executive Council, has recently extensively overhauled the Section's Rules and Regulations, to bring them up to date with the bylaws of our parent organizations and current practices. The proposed changes to the Rules and Regulations were voted on by the section's members at the business meeting during the section's Annual Meeting in December.

EDUCATION COMMITTEE REPORT

Jeffrey Leonard, MD, FAANS, and
Rob Bollo, MD, FAANS, *Co-Chairs*

1. Webinar

The Lectures and Webinar Committee continues to run the virtual conference every-other-month on a virtual platform featuring a 30-minute educational talk by an invited guest lecturer, followed by a 30-minute case presentation/Q&A session, hosted by a panel of junior faculty, fellows and residents. The last conference featured Dr. Jordan Steinberg talking about virtual planning for open cranial vault remodeling. It was moderated by Dr. Toba Niazi and Dr. Erik Brown, the fellow from Nicklaus Children's Hospital. The vision for this subcommittee was to provide quality pediatric neurosurgical educational content to fellows, residents and other learners through an online virtual format. The last topic will cover spasticity and will be moderated by Dr. Francesco Mangano and feature Dr. TS Park. The committee is also starting to create the curriculum for the next two years and will be soliciting volunteer sites in the not too distant future. The 12 topics covered over the two-year curriculum will be chosen to represent a broad pediatric neurosurgical curriculum. The host centers who volunteer to participate will be assigned topics in a random fashion to prevent any institutional bias. The host center will be responsible for moderating the session, inviting the guest faculty, and providing one panelist (junior faculty member, fellow or resident). We are also excited to announce the newest addition to the webinars led by Dr. Limbrick where high impact papers will be presented and reviewed.

2. Podcasts

An exciting new product is coming from the podcasts subcommittee. We've released three new Insights in Pediatric Neurosurgery podcasts, including the most recent episodes interviewing Dr. Jay Wellons about his book, *All That Moves Us*, and an episode exploring fellowship application and training in pediatric neurosurgery. We have more episodes in the works. Check it out here:

<https://podcasts.apple.com/us/podcast/insights-in-pediatric-neurosurgery/id1614006948>

<https://open.spotify.com/show/7A5bM0c47E8NKTFav1cLlt>

3. Traveling Fellowships

There were a record number of applicants for both the international and resident traveling fellowships this year. Please refer to <https://pedsneurosurgery.org/grants-fellowships/international-traveling-fellowship-in-pediatric-neurosurgery/> for more information.

4. Annual Meeting

The Annual Meeting in Washington, DC was a huge success, with the highest attending meeting in Section history.

5. Examinations

A robust examinations committee continues to do its work and is primarily managing the CNS SANS section on pediatrics. The co-chairs, Dr. Governale and Dr. Morgenstern are continuing to add to the question bank that is based on the released stems from the American Board of Neurological Surgery. The 12 members of this committee are all contributing material for this important endeavor. This has been an exciting year, and we look forward to many more activities in the upcoming year.

INDUSTRIAL RELATIONS COMMITTEE

Jesse Skoch, MD, FAANS, and
Peter Sun, MD, FAANS, *Co-chairs*

The Industrial Relations Committee had an excellent response to our AANS/CNS joint section member survey designed to gauge interest in pursuing growth of surgeon-led, industry supported, efforts at innovation designed to meet the needs of pediatric neurosurgeons. Committee member Aaron Yengo-Kahn developed a smart survey that asked “more or less” questions to respondents depending on the levels of interest they endorsed. In addition to allowing us to build a contact list of members most interested in engaging in further discussions about industry relations and innovation, we learned 60% of members queried have frequent ideas for innovations, 36% of members have no access to an innovation center at their home institution and more than 70% of members feel that hydrocephalus is the subspecialty within pediatric neurosurgery that is most in need of innovation.

We are currently working on developing an industry sponsored named grant award aimed at helping surgeons with innovations projects get started. There is often a funding gap for surgical innovation as it is high risk endeavor. Members have expressed an interest in such support from the joint section, and this is something salient to our industry partners.

We are still graciously welcoming new members and especially surgeons with existing inroads to industry sponsors. Please contact existing industrial relations committee members or committee chairs directly if you would like to participate. Current committee members include Patrick McDonald MD, Brian Hanak MD, Nida Fatima MD, Petr Ruzicka MD, Nir Shimony MD, and Aaron Yengo-Kahn MD.

QUALITY IMPROVEMENT COMMITTEE

Carolina Sandoval-Garcia, MD, FAANS, and
Annie Drapeau, MD, FAANS, *Co-Chairs*

The Quality Improvement (QI) Committee continues to work to promote the role of Quality Improvement in pediatric neurosurgery. First, the co-chairs of the committee, along with the help of Gabriella Pendola (medical student), George Koutsouras (neurosurgery resident) as well as Dr. Joseph Piatt (quality officer of the Chair’s Committee on Planning and Development) and Dr Bruce Kaufman (QI senior advisory committee), were able to submit a manuscript for publication reporting on the results of the survey that had been previously presented as an ePoster at the 50th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery in Salt Lake City. This paper will help disseminate the opinions of the members of the AANS/CNS Section on Pediatric Neurological Surgery on the current landscape and needs to promote and support QI within our community.

Second, a subcommittee continues to work on updating the QI page on the [pedsneurosurgery.org](https://www.pedsneurosurgery.org) website. A form will soon be available for members to fill out to allow us to showcase ongoing or previous QI work on the website. Our hope is that it will foster collaboration and inspire the advancement of projects to improve patient care.

Third, another subcommittee is working to develop a curriculum that would provide education on science of improvement and safety specifically targeted for the pediatric neurosurgery community. The subcommittee members are creating online modules with short presentations that will provide tools and guidance for those interested in learning QI methodology, and its implementation. We hope to have this content available through the [pedsneurosurgery.org](https://www.pedsneurosurgery.org) website in the future.

Lastly, the co-chairs are embarking on reviewing existing multi center databases collecting pediatric neurosurgery data such as NSQIP. We hope that the AANS/CNS Section on Pediatric Neurological Surgery will be a key player guiding the pediatric neurosurgery community in establishing benchmarks for outcomes in our field.

Finally, the QI committee would like to thank the subcommittee members, as well as Dr. Joseph Piatt, and Dr. Bruce Kaufman for their continued work and encouragement.

AANS/CNS PEDIATRIC SECTION GUIDELINE COMMITTEE

David Bauer, MD, MPH, FAANS, *Chair*

I have been fortunate to work with a stellar group of people on the Guidelines Committee.

Joint Guideline Review Committee: David Bauer, Taylor Abel, Sarah Jernigan, Brandon Rocque, Jonathan Pindrik, Alex Bier, Laurie Ackerman, Howard Silberstein, Eric Jackson

Chiari Guideline Working Group: David Bauer, Toba Niazi, Rabia Qaiser, Shobhan Vachhrajani, Eric Jackson, Jeffrey Raskinm, Sarah Jernigan, Jogi Patitissapu, Laurie Ackerman, Cormac Maher, Libby Infinger, Brandon Rocque, Carolyn Quinsey, Howard Silberstein

We completed Guidelines for the treatment of Chiari I Malformation. The guideline is divided into three chapters evaluating evidence for diagnosis, treatment and care of patients with Chiari I Malformation. It has been endorsed by the AANS/CNS and will soon be published in Neurosurgery.

Brent O'Neil and Angela Price are continuing work on guidelines for Surgical Treatment of Epilepsy with the Stereotactic and Functional section and American Epilepsy Society.

We contributed to an update of the Diagnosis of Brain Death Guidelines with AAP and AAN, and these guidelines should be finalized and published soon.

We submitted a proposal for guidelines for the treatment of tethered cord to PCORI, and we hope they will fund the process.

Finally, because we found significant gaps in the literature when completing Chiari Guidelines, we plan to produce a Practice Parameter for the treatment of Chiari Malformation that utilizes the Modified Delphi Method to answer granular questions about treatment and care.

If anyone is interested in participating, please contact me through email at dfbauer@mac.com.

Respectfully submitted,

David F. Bauer, MD, MPH
Chair, Guidelines Committee

COMMITTEE ON PUBLIC ENGAGEMENT, EDUCATION, AND ADVOCACY

Greg Albert, MD, FAANS, and Andrew Jea, MD, FAANS,
Co-Chairs

Gun violence has been increasingly on our minds and in the news. While considering the complex nature of this problem, Dr. Brandon Rocque and Dr. Eric Sribnick led the successful effort to develop and policy statement representing the position of pediatric neurosurgeons on gun violence gun policy. In addition to receiving support from the pediatric neurosurgery section, this policy has been adopted by the ASPN. The complete statement can be found at <https://www.aspn.org/gun-safety>. Several pediatric neurosurgeons also attending the American College of Surgeons Firearm Injury Prevention Summit, either in person or virtually. A statement from this group will be forthcoming. Members of the pediatric neurosurgery committee remain involved in a number of other policy and guidelines efforts in conjunction with other professional organizations including an update to the ACS Traumatic Brain Injury Best Practice Guidelines, the American College of Radiology Appropriateness Criteria for imaging of hydrocephalus, early work on epilepsy surgery guidelines and a revised AAP Technical Report on Abusive Head Injury. If you are interested in with us on these projects or any other topics related to public engagement, education and advocacy, please contact one of the co-chairs, Greg Albert (galbert2@uams.edu) or Andrew Jea (andrew-jea@ouhsc.edu).

RESEARCH COMMITTEE

Todd Hankinson, MD, MBA, FAANS, and David Daniels, MD, PhD, FAANS, *Co-Chairs*

The Research Committee is divided into four subcommittees as follows:

Pediatric Section and NREF Grants Subcommittee

Heather McCrea and Brandon Mille, *Co-chairs*

The Pediatric Section and NREF Grants Subcommittees are consolidated into a single subcommittee. The 2022 Pediatric Section Grant is a \$10,000 research grant specifically targeted to incoming or current pediatric neurosurgery fellows and junior faculty in their first year of practice. Dr. Mohammed Alshareef's proposal "Complement Activation in Cerebrospinal Fluid of Neonatal Intraventricular Hemorrhage Patients Predicts Post-Hemorrhagic Hydrocephalus" was selected as the winner by this committee. Dr. Alshareef is the current pediatric neurosurgical fellow at Children's Hospital Colorado. The grant subcommittee is currently preparing to receive the NREF grants from this upcoming cycle. The due date for the current NREF grants was November 1.

Faculty Development and Mentoring Subcommittee

Amanda Saratsis and Brian Dlouhy, *Co-chairs*
Subcommittee members: Francesco Magnano, and Manish Shah

This subcommittee continues to work on its main goal — faculty mentorship. The committee is finalizing a mentor list of pediatric neurosurgeons who will be available for students/residents and junior faculty who are interested in research. This list will be finalized and available at the Pediatric Section meeting (Washington, DC) and placed on the section website. A long-term goal for this subcommittee is the development of an online resource or manual designed to provide introductory information and guidance for those who are interested in developing a basic or translational research career focus.

Basic Science and Genetic Networks Subcommittee

Kris Kahle and Samuel Cheshier, *Co-chairs*

The BSGN subcommittee worked with the 2022 Pediatric Section Annual Meeting team to establish two sessions during the meeting in Washington DC. The first session was on December 2nd with Dr. Steve Korn, a program officer from NIH (NINDS), who gave a talk on what NIH funding opportunities are available for pediatric neurosurgeons, with an open Q&A session that followed.

A second session the following day was dedicated to the presentation and discussion of basic science talks that were selected for oral presentations by this subcommittee.

Clinical Networks Subcommittee

Jonathan Pindrik and Jennifer Strahle, *Co-chairs*
Subcommittee members: David Hersh, Jason Hauptman, Samuel [Trey] McClugage, and Manish Shah

This subcommittee has assembled a team of voluntary members committed to establishing and enhancing relationships between the section and clinical research networks/registries. Together, they have developed a vision statement and created a comprehensive list of 17 North American and/or international clinical research networks and registries with representation in or affiliation with the AANS/CNS Joint Section on Pediatric Neurological Surgery. Liaisons have been selected for all these networks and registries.

Ongoing work to develop research projects through these groups is ongoing currently.

INTERNATIONAL RELATIONS COMMITTEE

Christopher Bonfield, MD, FAANS, and Eylem Ocal, MD, FAANS, *Co-Chairs*

The AANS/CNS Section on Pediatric Neurological Surgery International Relations Committee (IRC) continues to promote the global neurosurgical efforts of its section members. Members of the committee co-organized and participated in a successful lunch seminar and discussion at the October 2022 CNS Annual Meeting entitled "Global Neurosurgery: Perspectives from Low-Middle Income Countries."

With input from the IRC, the Annual Section Meeting in Washington, DC promoted topics such as global neurosurgery, diversity and equity in health care, equal access to pediatric surgical care and advocating the wellbeing of children via collective global effort. International surgeons provided keynote speeches and panel discussions and a global neurosurgery course created for the pre-meeting session was tremendously well attended and successful. Also, a new award category for the Best Global Neurosurgical Paper was approved and awarded at the section meeting.

The IRC continues to identify section members who collaborate internationally with the purpose of enlisting them as mentors. Likewise, international partners are being established as centers for global education for North American neurosurgery residents and fellows. We also hope that with the return of in-person meetings and courses, the exchange of global education will continue to accelerate.

AANS/CNS SECTION ON PEDIATRIC NEUROSURGERY OFFICERS AND COMMITTEES

OFFICERS

Chair

Bermans J. Iskandar, MD, FAANS (2021–2023)

Immediate Past Chair

Mark D. Krieger, MD, FAANS (2021–2023)

Chair-elect

Matthew Smyth, MD, FAANS (2021–2023)

Secretary

Richard Anderson, MD, FAANS (2021–2023)

Treasurer

Ruth E. Bristol, MD, FAANS (2021–2023)

Members at Large

Amy Lee (2021–2023)

Cormac Maher (2021–2023)

Todd Hankinson (2022–2024)

Carrie Muh (2022–2024)

Resident Member of Executive Committee

Yosef Dastagirzada, MD (2021–2023)

STANDING COMMITTEES

Nominating Committee (6-year term after Section Chair)

Mark D. Krieger, MD, FAANS — Chair (2021–2027)

Mark Proctor, MD, FAANS (2019–2025)

Sarah Gaskill, MD, FAANS (2017–2023)

Rules & Regulations Committee (2-year term)

Lauren Schwartz, MD, FAANS — Co-chair (2021–2023)

Christian Kaufman, MD, FAANS — Co-chair (2021–2023)

David Wrubel, MD, FAANS (2021–2023)

Membership Committee (2-year term)

Irene Kim, MD, FAANS — Co-chair (2021–2023)

James Botros, MD, FAANS — Co-chair (2021–2023)

H. Westley Phillips (R) (2021–2023)

Education Committee (2-year term)

Jeff Leonard — Co-Chair (2021–2023)

Rob Bollo — Co-Chair (2021–2023)

Ariana Barkley (R) (2021–2023)

Keanu Chee (R) (2021–2023)

EDUCATION COMMITTEE SUBCOMMITTEES (*ad hoc*)

Pediatric Section Annual Meeting Subcommittee

Bob Keating — Chair 2022–Washington DC

Hasan Syed 2022–Washington DC

Doug Brockmeyer (2021–Salt Lake City)

John Kestle (2021–Salt Lake City)

Robert Bollo (2021–Salt Lake City)

Samuel Cheshier (2021–Salt Lake City)

Haley Vance Co-Chair APP

Elisha Peregino Co-Chair APP

Benny Iskandar ex-officio–Section Chair

Mark Krieger ex-officio–Section Past Chair

Matt Smyth ex-officio–Section Chair-elect

Richard Anderson ex-officio–Section Secretary

Ruth Bristol ex-officio–Section Treasurer

Pedram Maleknia (R) (2021–2023)

National Meetings Subcommittee (2-year term)

Raheel Ahmed — Co-Chair (2021–2023)

Rob Naftel — Co-Chair (2021–2023)

Dean Hertzler — Co-Vice Chair (2021–2023)

Hal Meltzer — Co-Vice Chair (2021–2023)

Tim Gooldy (R) (2021–2023)

Alexandra Larsen (R) (2021–2023)

Gabbie Johnson (R) (2021–2023)

Traveling Fellowship Subcommittee (2-year term)

Edward Ahn — Co-Chair (2021–2023)

Stephanie Greene — Co-Chair (2021–2023)

Eric Thompson (2021–2023)

Jason Blatt (2021–2023)

Examination Questions Subcommittee (2-year term)

Lance Governale — Co-Chair (2021–2023)

Peter Morgenstern — Co-Chair (2021–2023)

Jason Blatt (2021–2023)

Markus Bookland (2021–2023)

Annie Drapeau (2021–2023)

Mari Groves (2021–2023)

Joel Katz (2021–2023)

Ben Kennedy (2021–2023)

Neena Marupudi (2021–2023)

Jon Pindrik (2021–2023)

Rabia Qaiser (2021–2023)

Ammar Shaikhouni (2021–2023)

Eric Sribnick (2021–2023)

Jesse Winer (2021–2023)

Jignesh Tailor (R) (2021–2023)

Pediatric Specialties Subcommittee (2-year term)

Jason (Jay) Hauptman — Co-Chair	(2021–2023)
Laura Prolo — Co-Chair	(2021–2023)
Nallammai Muthiah (R)	(2021–2023)

Lectures and Webinars Subcommittee (2-year term)

Susan Durham — Co-Chair	(2021–2023)
Jeff Leonard — Co-Chair	(2021–2023)
David Limbrick	(2021–2023)
James Johnston	(2021–2023)
Mark Proctor	(2021–2023)
Yosef Dastagirzada (R)	(2021–2023)

Hands-on Workshops Subcommittee (2-year term)*(Joint Subcommittee with International Education Subcommittee)*

Jeff Leonard — Co-Chair	(2021–2023)
Per IEC — Co-Chair	(2021–2023)

Podcasts Subcommittee

Rob Bollo — Co-Chair	(2021–2023)
Heather Spader — Co-Chair	(2021–2023)
Jeff Leonard	(2021–2023)
Daniel Sexton (R)	(2021–2023)

AD HOC COMMITTEES**Communications Committee (2-year term)**

Benjamin Kennedy, MD, FAANS — Co-chair	(2021–2023)
Carrie Muh, MD, FAANS — Co-chair	(2021–2023)

COMMUNICATION COMMITTEE SUBCOMMITTEES**Website Subcommittee (2-year term)**

Benjamin Kennedy — Chair	(2021–2023)
George W. Koutsouras (MS)	(2021–2023)
Michael McDowell (R)	(2021–2023)

Social Media Subcommittee (2-year term)

Carrie Muh — Co-Chair	(2021–2023)
Smruti Patel — Co-Chair	(2021–2023)
Jarod Roland	(2021–2023)
Nathan Shlobin	(2021–2023)
Derek Samples (R)	(2021–2023)

Survey Subcommittee (2-year term)

Shelly Wang, MD, FAANS — Co-chair	(2021–2023)
Eric Sribnick, MD, PhD, FAANS — Co-chair	(2021–2023)
Albert Tu, MD, FAANS	(2021–2023)
Bradley Weprin, MD, FAANS	(2021–2023)
James Botros, MD, FAANS	(2021–2023)
Krystal Tomei, MD, MPH, FAANS, FAAP	(2021–2023)
Smruti Patel, MD	(2021–2023)
Todd Hankinson, MD, MBA, FAANS	(2021–2023)

Listserve Subcommittee (2-year term)

Jennifer Ronecker, MD — Co-chair	(2021–2023)
Nir Shimony, MD — Co-chair	(2021–2023)

International Relations Committee (2-year term)

Eylem Ocal, MD, FAANS — Co-chair	(2021–2023)
Christopher Bonfield, MD, FAANS — Co-chair	(2021–2023)
Charles Wilkinson	(2021–2023)
Ryan Jafrani, MD	(2021–2023)

INTERNATIONAL RELATIONS COMMITTEE SUBCOMMITTEES**International Education Subcommittee (2-year term)**

Samer Elbaba, MD, FAANS — Co-chair	(2021–2023)
Caitlin Hoffman, MD, FAANS — Co-chair	(2021–2023)
Exequiel Verdier	(2021–2023)
Nathaniel Tshibambe	(2021–2023)
Ariana Barkley (F)	(2021–2023)
Hannah Weiss (R)	(2021–2023)

International Clinical Collaborations Subcommittee*(2-year term)*

TBD	(2021–2023)
-----	-------------

International Liaisons Subcommittee*(report directly to the committee chairs; 2-year term)***Liaison with ISPN**

Zulma Tovar-Spinoza, MD, IFAANS	(2021–2023)
---------------------------------	-------------

Liaison with ESPN

Mike Handler, MD, FAANS	(2021–2023)
-------------------------	-------------

Liaison with WFNS

Albert Tu, MD, FAANS	(2021–2023)
----------------------	-------------

Liaison with South America

Art DiPatri, MD, FAANS	(2021–2023)
------------------------	-------------

Liaison with AAP SOICH/GICS

Philipp Aldana, MD, FAANS	(2021–2023)
---------------------------	-------------

Liaison with Brazil

Bruno Braga, MD, IFAANS	(2021–2023)
-------------------------	-------------

Liaison with Middle East

Samer Elbaba, MD, FAANS	(2021–2023)
-------------------------	-------------

Liaison with Africa

Heather Spader, MD, FAANS	(2021–2023)
---------------------------	-------------

Liaison with India

Shibu Pillai, MD	(2021–2023)
------------------	-------------

Liaison with Pakistan

Hasan Raza Syed, MD, FAANS	(2021–2023)
----------------------------	-------------

Liaison with Japan

Kaveh Asadi, MD PhD, FAANS (2021–2023)

Liaison with Southeast Asia

Albert Tu, MD, FAANS (2021–2023)

Liaison with Central America and Caribbean

TBD (2021–2023)

Liaison with Australia and New Zealand

TBD (2021–2023)

Liaison with Far East

TBD (2021–2023)

Liaison with China

TBD (2021–2023)

The Timothy George Committee on Diversity and**Inclusion in Pediatric Neurosurgery (2-year term)**

Cathy Mazzola — Co-Chair (2021–2023)

Clarence Greene — Co-Chair (2021–2023)

Alexa Canady (2021–2023)

Anthony Wang (2021–2023)

Hal Meltzer (2021–2023)

Holly Gilmer (2021–2023)

Karin Murazsko (2021–2023)

Krystal Tomei (2021–2023)

Mari Groves (2021–2023)

Sarah Jernigan (2021–2023)

Zulma Tovar-Spinoza (2021–2023)

Laurie Ackerman (2021–2023)

Lawrence Daniels (2021–2023)

AnnMarie Flannery (2021–2023)

Allison Rathmann (2021–2023)

Leslie Satchivi (2021–2023)

Gabriele Johnson (MS) (2021–2023)

Michelle Kameda-Smith (R) (2021–2023)

Jasmine Hect (R) (2021–2023)

Research Committee (2-year term)

David Daniels — Co-Chair (2021–2023)

Todd Hankinson — Co-Chair (2021–2023)

Kenneth Paik (R) (2021–2023)

RESEARCH COMMITTEE SUBCOMMITTEES**NREF Subcommittee (2-year term)**

David Daniels (2021–2023)

Todd Hankinson (2021–2023)

Cody Nesvick (R) (2021–2023)

Section Grants Subcommittee (2-year term)

Brandon Miller, MD, FAANS — Co-chair (2021–2023)

Heather McCrae — Co-chair (2021–2023)

Samuel (Trey) McClugage, MD (2021–2023)

Jason Hauptman, MD, PhD, FAANS (2021–2023)

Faculty Development and Mentoring Subcommittee*(2-year term)*

Amanda Saratsis, MD — Co-chair (2021–2023)

Brian Dlouhy, MD, FAANS — Co-chair (2021–2023)

Manish Shah, MD, FAANS (2021–2023)

Francesco Mangano, DO (2021–2023)

Clinical Networks Subcommittee (2-year term)

Jonathan Pindrik — Co-Chair (2021–2023)

Jennifer Strahle — Co-Chair (2021–2023)

David Hersh (2021–2023)

Manish Shah (2021–2023)

Jason (Jay) Hauptman (2021–2023)

Samuel (Trey) McClugage (2021–2023)

Addison Stewart (R) (2021–2023)

Basic Science and Genetics Networks Subcommittee

Kris Kahle — Co-Chair (2021–2023)

Samuel Cheshier — Co-Chair (2021–2023)

Amy Bruzek (R) (2021–2023)

Quality Improvement Committee (2-year term)

Annie Drapeau — Co-Chair (2021–2023)

Carolina Sandoval Garcia — Co-Chair (2021–2023)

Luis F Rodriguez (2021–2023)

Asadi Kaveh (2021–2023)

Carolyn Quinsey (2021–2023)

Louis Valery Carius (2021–2023)

Jesse Winer (2021–2023)

Shimony Nir (2021–2023)

Rachana Tyagi (2021–2023)

James Andrew Stadler (2021–2023)

George Koutsouras (R) (2021–2023)

Wes Northam (R) (2021–2023)

Alex Larsen (R) (2021–2023)

Young Pediatric Neurosurgeons Committee

Michael McDowell — Chair (2021–2023)

Ariana Barkley — Chair elect (2021–2023)

Amy Lee (MAL) — Advisor (2021–2023)

Cormac Maher (MAL) — Advisor (2021–2023)

Committee on Public Engagement, Education, and Advocacy

Andrew Jea — Co-Chair (Past Chair SONS)	(2021–2023)
Greg Albert — Co-Chair (Chair SONS)	(2021–2023)
Michael Cools (R)	(2021–2023)

Industry Relations Committee

Peter Sun — Co-Chair	(2021–2023)
Jesse Skoch — Co-Chair	(2021–2023)
Aaron Yengo-Kahn (R)	(2021–2023)

Transition to Adulthood Committee

Jeff Blount — Co-Chair	(2021–2023)
Brad Weprin — Co-Chair	(2021–2023)
Phil Aldana — Advisor	(2021–2023)
Greg Albert (AAP)	(2021–2023)
Eylem Ocal	(2021–2023)
Brandon Rocque	(2021–2023)
Heather Spader	(2021–2023)
Kristal Tomei	(2021–2023)
Zulma Tovar-Spinosa (AAP)	(2021–2023)
Albert Tu	(2021–2023)
Ellen Fremion MD — Baylor Univ SOM	(2021–2023)
Brad Dicianno MD — University of Pittsburgh SOM (PMR)	(2021–2023)
Betsy Hopson MHSA — UAB SOM- Director, STEP program	(2021–2023)
Carlie Stein MD — UAB SOM- Medical Director of STEP	(2021–2023)
Charles Stevenson (R)	(2021–2023)
Tom Larue (R)	(2021–2023)
Pedram Maleknia (R)	(2021–2023)
Jignesh Tailor (R)	(2021–2023)
Karl Balsara (R)	(2021–2023)

APP Committee

Haley Vance — Co-Chair	(2021–2023)
Elisha Peregino — Co-Chair	(2021–2023)
Patti Batchelder	(2021–2023)
Mandy Breedt	(2021–2023)
Lisa McLennan	(2021–2023)

Pediatric Section Guidelines Committee

(3-year term, change at CNS meeting)

David Bauer — Chair	(2017-2019, Chair 2020–2022)
---------------------	------------------------------

JGRC: Taylor Abel, Jonathan Pindrik, Alex Beier**Chiari:** Toba Niazi, Rabia Qaiser, Sarah Jernigan, Jeffrey Raskin, Eric Jackson, Laurie Ackerman, Jogi Patitisapu, Cormac Maher, Brandon Rocque, Carolyn Quinsey, Libby Infinger, Howard Silberstein, Shobhan Vachhrajani**Epilepsy:** Brent O'Neil, Angela Price

Melissa LoPresti (R)	(2021–2023)
----------------------	-------------

Lifetime Achievement Award — Immediate Past Chair

Mark Krieger	(2021–2023)
--------------	-------------

Chair's Committee on Planning and Development

Steve Schiff (Research)	(2021–2023)
David Limbrick (Education)	(2021–2023)
Jim Johnston (International relations)	(2021–2023)
Joe Piatt (Quality)	(2021–2023)

History Committee

Andrew Kobets, co-chair	(2021–2023)
John Duncan, co-chair	(2021–2023)
Michael Edwards	(2021–2023)
Clarence Green	(2021–2023)
Demetrios Nikas	(2021–2023)
Toba Niazi	(2021–2023)
Kimberly Hamilton	(2021–2023)
Michael McDowell	(2021–2023)
Laila Mohammed	(2021–2023)
David Gruber	(2021–2023)
Paul Kane	(2021–2023)
Afshin Salehi	(2021–2023)
Michael Partington	(2021–2023)
George Koutsouras, (R)	(2021–2023)
Katherine Holste, (R)	(2021–2023)
Diane Aum, (R)	(2021–2023)
Pedram Maleknia, (MS)	(2021–2023)

Senior Advisory Committee

Tina Duhaime (co-chair)	(2021–2023)
Al Cohen (co-chair)	(2021–2023)
Tad Tomita—Education	(2021–2023)
Rick Boop—International	(2021–2023)
Laurie Ackerman—Diversity	(2021–2023)
John Kestle—Research	(2021–2023)
Bruce Kaufman—Quality	(2021–2023)
Jeff Wisoff—Trainees	(2021–2023)
Ann Flannery—Guidelines	(2021–2023)
Teo Dagi—History	(2022–2023)
Jack Walker—History	(2022–2023)

REPRESENTATIVES AND LIAISONS**Liaison to the AANS Executive —
Committee Current Chair**

Benny Iskandar	(2021–2023)
----------------	-------------

Liaison to the CNS Executive Committee — Chair Elect

Matt Smyth	(2021–2023)
------------	-------------

Liaison to the ABPNS — Current Chair of ABPNS

Ian Pollack	(2022–2023)
-------------	-------------

Liaison with ACPNF — Current Chair of ACPNF

Doug Brockmeyer	(2021–2023)
-----------------	-------------

Liaison with ASPN — Current President of ASPN

Jeff Ojemann	(2022–2023)
--------------	-------------

**Liaison with AAP Section of Neurological Surgery —
Current Chair of SONS**

Greg Albert	(2021–2023)
-------------	-------------

Liaison to the Joint Council of State Neurosurgical Societies

TBD, appointed by CSNS	(2021–2023)
------------------------	-------------

**Liaison to the Coding and Reimbursement Committee,
AANS**

Eric Jackson	(2021–2023)
--------------	-------------

Liaison to the Drugs and Devices Committee, AANS

Brian Hanak	(2021–2023)
Leopold Arko	(2021–2023)

Liaison to the Young Neurosurgeons Committee

Michael McDowell	(2021–2023)
------------------	-------------

Liaison to the American College of Osteopathic Surgery

Sudhakar Vadivelu, DO	(2021–2023)
-----------------------	-------------

Liaison to AANS/CNS Section on Tumors

Anthony Wang, MD	(2021–2023)
------------------	-------------

**Liaison to AANS/CNS Section on Neurotrauma and
Critical Care**

Naina Gross	(2021–2023)
Eric Sribnick	(2021–2023)

Liaisons to Neurosurgery Quality Council (NQC)

Annie Drapeau — Co-Chair QI Committee	(2021–2023)
Carolina Sandoval Garcia — o-Chair QI Committee	(2021–2023)

**Liaison to AANS/CNS Section on
History of Neurological Surgery**

TBD	(2021–2023)
-----	-------------

Liaison to AANS/CNS Cerebrovascular Section

TBD	(2021–2023)
-----	-------------

Liaison to AANS/CNS Section on Pain

TBD	(2021–2023)
-----	-------------

**Liaison to AANS/CNS Section on Disorders of Spine and
Peripheral Nerves**

TBD	(2021–2023)
-----	-------------

**Liaison to AANS/CNS Section on Stereotactic and
Functional Surgery**

TBD	(2021–2023)
-----	-------------

**Liaison to AANS/CNS Section on Women in
Neurosurgery**

TBD	(2021–2023)
-----	-------------

*(F) = Fellow**(R) = Resident**(MS) = Medical Student*