From the Chair

Tina Duhaime, MD

"Remember, when it's the brain, people panic." This aphorism was a reminder from my chairman during residency that referring "docs" weren't trying to make work for us with what seemed (to us) like unnecessary calls or referrals. Only that anything having to do with the brain was perceived as mysterious and dangerous. He enjoined us to keep in mind that people were asking for help, and that they thought we could and would provide it.

On days in which there are too many tasks for the time allotted, it is still helpful to remember that expression. Ultimately, most of what we do involves making progress to take the "panic" out of our dealings with the brain, and to do as much as we can to preserve and protect the neurological health of our patients. To face these tasks with an attitude of helpfulness, optimism, and reassurance is the challenge of the pediatric neurosurgeon. We should strive to meet that challenge, even as each of us must put out tremendous and ongoing effort to keep up with the latest developments, refine our skills, and increase our knowledge in our field, and hopefully to also add to that knowledge whenever possible.

The Pediatric Section's job is to make some of these tasks easier by working together to provide educational opportunities, to support the creation and dissemination of new knowledge, and also to provide a means for individuals
with similar interests and facing similar challenges to come together. Our recent annual meeting in Boston was an excellent example of the kind of opportunity that enriches us in all these ways. Members of the section likewise have worked to make the pediatric-focused presentations at the upcoming AANS Annual Meeting in Philadelphia another great opportunity to learn new things that will keep you up to date and involved.

Who does all this work? It is done by the volunteer section members who take on the jobs of putting these programs together for you. We welcome your involvement and your feedback. There are many opportunities to get involved in meeting planning and many, many other jobs within the section's scope of activities. This year we are in the process of reorganizing both the structure of our committees and how we appoint people. We are trying to get more people involved. We have a growing number of requests for section representation in a variety of national and international efforts. If you would like to get involved, e-mail any of the officers and let us know of your interest. We can use your help!

Lastly, if there are common clinical questions you would like answered, please consider applying for the section-sponsored Small Research Grants. There is information on the section's Web site about how to apply. It's quick and easy to apply—in fact, it's probably the easiest grant application you'll ever see. The deadline for applications is May 15, 2010. Be among the first "class" of Pediatric Section Grant awardees, and help your colleagues learn new facts that are relevant to our specialty. It's always better to face "panic"; with facts—and you can help us gather some with a little boost from your colleagues at the Pediatric Section.

Happy spring! See you in Philadelphia.

Tina Duhaime, MD, is chair of the AANS/CNS Section on Pediatric Neurological Surgery.

**Pediatric Section Session at 2010 AANS Annual Meeting**

**Wednesday, May 5, 2010**  
2:45–5:30 PM  
**AANS/CNS SECTION ON PEDIATRICS**  
Moderators:  
George I. Jallo, MD  
David W. Pincus, MD, PhD

2:45–3:30 PM  
**DONALD D. MATSON LECTURE**  
Introduced By:  
Ann-Christine Duhaime, MD  
**Genetic Control of Brain Development**  
Speaker:  
Jeffrey Golden, MD

3:31–3:38 PM  
**KENNETH SHULMAN AWARD**  
**Cell Proliferation and Neuronal Migration After Closed Head Injury in the Immature Piglet**  
Recipient:  
Symeon Missios, MD

3:39–3:40 PM  
**Invited Response**

3:41–3:48 PM  
**HYDROCEPHALUS AWARD**  
**Immortalization and Functional Characterization of Rat Arachnoid Cells**
Recipient:
Christopher G. Janson, MD

3:49–3:50 PM
Invited Response

824 3:51–3:58 PM
Predictors for Outcome After Surgery for Chiari Malformation Type 1
Authors:
Katherine E. Hekman, BA; Leonardo Aliaga, BA; Aman Gaurav-Luther, BS; David M. Frim, MD, PhD (Chicago, IL)

3:59–4:00
Invited Response

825 4:01–4:08 PM
WINS LOUISE EISENHARDT
RECIPIENT
Pseudotumor Cerebri After Surgical Remission of Cushing’s Disease
Authors:
Erin Kiehna, MD (Charlottesville, VA); Meg Keil, RN; Maya Lodish, MD; Constantine Stratakis, MD (Bethesda, MD); Edward H. Oldfield, MD (Charlottesville, VA)

4:09–4:10 PM
Invited Response

826 4:11–4:18 PM
Results From a 20-Year Experience of Pediatric Arteriovenous Malformation Radiosurgery
Authors:
Bruce E. Pollock, MD; Michael J. Link, MD; Paula J. Schomberg, MD (Rochester, MN)

4:19–4:20 PM
Invited Response

827 4:21–4:28 PM
Surgical Management for Cranial Congenital Dermal Sinus
Authors:
Chiachien J. Wang, PhD; Tien T. Nguyen, MD; Mark D. Krieger, MD; J. Gordon McComb, MD (Los Angeles, CA)

4:29–4:30 PM
Invited Response

828 4:31–4:38 PM
Minimally Invasive Endoscopic Transventricular Hemispherotomy for Medically Intractable Epilepsy – A New Approach and Cadaveric Demonstration
Authors:
Biji Bahuleyan, MD; Sunil Manjila, MD; Alan R. Cohen, MD, FACS (Cleveland, OH)

829 4:39–4:46 PM
Brain Tumors in the First Year of Life - The CHEO Experience
Authors:
Mohammed F. Shamji, MD, PhD; Naveen Mehrotra, MD; Michael Vassilyadi, MD; Enrique Ventureyra, MD (Ottawa, Canada)

830 4:47–4:54 PM
Complications in Pediatric Spine Surgery: A Comparative Survey of the
Perceptions of Surgeons, Caregivers, and Patients
Authors:
Shobhan H. Vachhrajani, MD (Toronto, Canada); Daniel H. Fulkerson, MD; Alison Brayton, RN (Houston, TX); Abhaya V. Kulkarni, MD, PhD (Toronto, Canada); Andrew H. Jea, MD (Houston, TX)

831 4:55–5:02 PM
Endoscopic Lamina Terminalis Fenestration for Treatment of Obstructive Hydrocephalus Following Failed ETV
Authors:
Amer Khalil, MD; Xiao Di, MD, PhD (Cleveland, OH)

832 5:03–5:10 PM
Pediatric Spine Injuries (Report of 43 Cases)
Authors:
Mohammad R. Ehsaei, MD (Mashhad, Iran)

833 5:11–5:18 PM
Multifactorial Etiology in Spontaneous Neonatal Intracranial Hemorrhage
Authors:
Selfy Oswari, MD; M. Zafrullah Arifin, MD; Akhmad Imran, MD (Bandung, Indonesia)

5:19–5:30 PM
Open Discussion

5:31–6:00 PM
PEDIATRIC SECTION BUSINESS MEETING
From the Secretary

Bruce A. Kaufman, MD

Past, Present and Future

AANS Meets in Philadelphia May 1–5.

For some of us, the knowledge that spring is just around the corner is helping to keep our spirits up despite the typical dreary end of winter weather outside. Even our colleagues in the southeastern states have been experiencing a touch of the cold. (No gloating by those of you having nice and warm weather!) Rather than take a nice, healthy walk in the rain and cold, I want to review with you our section’s immediate past, present and future.

The Pediatric Section’s "past" includes a very successful winter meeting in Boston. Lilly Gournerova deserves high praise and congratulations for hosting and organizing a wonderful meeting. There were over 300 attendees including six fellows and 42 allied health professionals (nurses and physician assistants), with over 80 presentations. The meeting started with a well-attended nursing seminar and concluded with a neurofibromatosis symposium. In between, the highlights included a lecture on pediatric anesthesia in neurosurgery, sponsored by our colleagues from the AAP Section on Neurological Surgery. This lecture was another in a series of lectures that SONS has sponsored at our annual meetings. The Pediatric Section Executive Council is working with SONS to ensure continued participation in our future meetings. Dr. Charles Stiles presented our 2009 Raimondi lecture, "Transcription Factors and Malignant Glioma in Mouse and Man."

Another highlight was the presentation of the Franc Inghram Award, our sections highest honor, to Dave McLone, MD. Please read the separate article about Dr. McLone and the award.

Our section also selected two resident presentations for awards. The Hydrocephalus Association award went to Christopher Janson, MD, for his paper entitled "Immortalization and Functional Characterization of Rat Arachnoid Cells." The Kenneth Shulman Award was given to Symeon
Missios, MD, for his paper "Cell Proliferation and Neuronal Migration After Closed Head Injury in the Immature Piglet." Please encourage your younger colleagues and residents to participate in our meeting and to compete for these awards. (Log in on our Web site for more details on these awards).

We noted that Mike Scott, MD, stepped down after administering our section’s Traveling Fellowship program for many years. The section thanks Dr. Scott for his dedication, effort, and expertise in promoting and managing this successful program. Benny Iskandar, MD, has ably succeeded him.

The Pediatric Section’s "present" is the upcoming AANS meeting in Philadelphia May 3-6, 2010. The section has a formal presence at the meeting on two days. On Tuesday, May 4, from 2:45 to 5:30 p.m., in conjunction with the Stereotactic and Functional Neurosurgery Section, there will be a symposium on movement disorders with a focus on pediatric movement disorders. Jim Rutka, MD, and Leland Albright, MD, will be presenting.

The Pediatric Section session will occur on Wednesday, May 5, from 2:45 to 5:30 p.m. Jeffrey Golden, MD, will present the annual Matson lecture, and the section will host a reception for Dr. Golden that evening. The section also will hold a brief business meeting at the end of its Wednesday session.

I hope that you can attend what should be another great set of lectures.

Our section’s "future" includes the next winter meeting in Cleveland from Nov. 30 to Dec. 3, 2010. Dody Robinson, MD, is our local host and organizer. She has planned what should be another wonderful meeting. I am trying to track down the recent rumor that Dr. Robinson was enthralled by the Olympic Norwegian curling team (and their attire), and has organized a section curling tournament on the frozen Cuyahoga River.

I encourage you to read the rest of the newsletter for comments from our chair, a summary of the past and future business of the section, and updates on our other activities.

Bruce A. Kaufman, MD, is secretary of the AANS/CNS Section on Pediatric Neurological Surgery and editor of Pediatric ShortCuts.

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Business Report

The following report summarizes recent Pediatric Section business. Business meeting minutes are posted on the section's Web site.

Bylaws

During the business meeting on Wednesday, May 5, the section will vote on the following proposed change to the bylaws: the inclusion of an additional objective. The Executive Council recommends this change to the membership.

Article I, Section 2: Objectives
e) Improving the care of children and adults with surgically relevant congenital disorders of the nervous system by providing a forum for the identification and education of neurosurgeons who commit to their care.

Future Meeting Sites

Austin, Texas, is the site for the 2011 annual winter meeting of the Pediatric Section.

The section's chair-elect coordinates the selection of the future section winter meeting sites. Anyone proposing to host a meeting should communicate that request to the chair-elect (currently Alan Cohen, MD). The Executive Council will consider the submitted requests. All requests will be considered for two years. The sponsor for any proposed site who is not selected during that time will be asked to communicate interest in having the site considered for an additional two years.

The Franc Ingraham Award

The Pediatric Section's highest honor for both distinguished service and achievement has only been awarded five times. Please see the section in this newsletter about Dr. Dave McLone, the most recipient of this award.

Anyone wishing to nominate a member for this award should submit his or her nomination to the section's immediate past chair (currently Jeff Wisoff, MD).

The ABPNS Board Composition

The Pediatric Section has been informed of the current members of the Board of Directors for the American Board of Pediatric Neurosurgery:
Chair – Dr. Park
Vice Chair – Dr. Luerssen
Secretary – Dr. Parent
Reelected – Drs. McLanahan, Duhaime
Rotating Off – Drs. Scott, Oakes, Abbott
Newly Elected – Drs. Boop, Ragheb, Cohen

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Cleveland 2010: Save the Date

Shenandoah Robinson, MD

The 39th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery will be held in America's heartland, Cleveland, Ohio, from Tuesday Nov. 30 through Friday, Dec. 3. The venue is the beautiful Renaissance Hotel at Cleveland's historic Tower City Center, just steps away from great restaurants and attractions. The hotel is a short 15 minute taxi ride from the Cleveland Hopkins International Airport, which is easy to access from most destinations. Make your plans early, because this is one meeting you will not want to miss.

The spotlight this year is on quality improvement initiatives, and the meeting's theme, "Better Outcomes: Brighter Futures," will be presented in a series of provocative talks by leading experts in the nation.

This year's Raimondi lecture, "The Prevention of Operative Errors," will be given by Richard C. Karl, MD, a nationally recognized cancer surgeon, 737-type rated airline pilot, acclaimed author, outstanding speaker and professor and chair of the department of surgery at the University of South Florida College of Medicine. As the founding director of the Surgical Safety Institute, he has spoken nationally on crew resource management, focused communication, and teamwork to improve outcomes in the operating room.

This year's American Academy of Pediatrics Society of Neurological Surgery (SONS) Lecture will be given by Avroy Fanaroff, MD, the Elizabeth Henry Barnes Chair in neonatology at Rainbow Babies and Children's Hospital. The title of his talk is "Improving the Care of the High Risk Neonate." With 50 years of experience, Av has helped to define the state-of-the-art in neonatology and is regarded as the world's leading authority on the care of the premature infant.
As an added special event, this year we will have a banquet on Thursday, Dec. 2, at the legendary Rock and Roll Hall of Fame, and Terry Stewart, president and CEO, will give us a behind-the-scenes look. There will be great food, a live band and karaoke with an open mic!

So start preparing your abstracts, and be sure to share this information with your residents and fellows. There will also be a full-day symposium for nurse practitioners, physician assistants and physician extenders on Tuesday, Nov. 30.

_Dody Robinson, MD, is annual meeting chair of the AANS/CNS Section on Pediatric Neurological Surgery._

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Jeffrey A. Golden to Deliver Matson Lecture

Jeffrey A. Golden, MD, will deliver the Matson lecture on Wednesday, May 5, from 2:45 to 3:30 p.m., during the Pediatric Section Program at the AANS Annual Meeting. The title of Dr. Golden's talk is "Genetic Control of Brain Development."

Dr. Golden is the pathologist-in-chief and chair of pathology and laboratory Medicine at the Children's Hospital of Philadelphia. He is professor of pathology and laboratory medicine at the University of Pennsylvania School of Medicine, and he holds the Evelyn Willing Bromley Endowed Chair of Pediatric Pathology.

Dr. Golden received his undergraduate degree in biochemistry at the University of California, San Diego, and his medical degree from the University of Pennsylvania School of Medicine. He completed an internship at University of California, Los Angeles, a residency in anatomic pathology at the Massachusetts General Hospital, and a fellowship in neuropathology, also at the Massachusetts General Hospital.

Dr. Golden's laboratory uses in vitro and in vivo models to understand the molecular and cellular basis of developmental disorders that affect the central nervous system, with particular focus on the role of cell migration and cell differentiation in the pathogenesis of cognitive disorders, epilepsy, brain malformations, and autism spectrum disorder. He has published numerous scientific papers and monographs on these topics as well as other aspects of pediatric neuropathology, including brain tumors, trauma, epilepsy, and congenital and acquired disorders of interest to pediatric neurosurgeons. He has collaborated extensively with pediatric neurosurgeons, neurologists, child development specialists and basic scientists to advance the understanding of disorders that affect the nervous system of pediatric patients.

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http://www.neurosurgery.org/matsonlectureS10.asp
David G. McLone Receives 2009 Ingraham Award

Jack Walker, MD

The AANS/CNS Section on Pediatric Neurological Surgery presented David G. McLone, MD, PhD, with the Franc Ingraham Award during the winter meeting in Boston. This is the Pediatric Section's highest award, and it has been presented only five times. The recipients are distinguished by their lifetime of service to pediatric neurosurgery, demonstrated by the highest standards in patient care and academic achievement.

Dr. McLone has been a lifelong participant in the neurosurgical care of children, with particular emphasis on dysraphism. He has produced 103 book chapters, has had 22 research grants, and produced 171 peer reviewed journal publications (over 120 of them on dysraphism). He was instrumental in the establishment of the journal Pediatric Neuroscience (which became Pediatric Neurosurgery), and was editor in chief for many years. He was the editor for the fourth edition of our section's textbook of Pediatric Neurosurgery.

Dr. McLone has been a fixture on the Chicago neurosurgical scene, training and practicing with another of our early leaders in pediatric neurosurgery, Anthony Raimondi, MD. Dr. McLone was the long-standing chair of the Division of Pediatric Neurosurgery at the Children's Memorial Hospital in Chicago and has trained over 20 fellows. He was the first David G. McLone Professor of Pediatric Neurosurgery at Northwestern University, and he still found time to serve as chief of surgery at Children's Memorial.

Dr. McLone has been a leader of all the major pediatric neurosurgical organizations. He was among the founders of the American Society of Pediatric Neurosurgeons in 1978 and was that group's seventh president. He was chair of the Pediatric Section from 1987 to 1989, and president of the International Society of Pediatric Neurosurgery in 1996. Dr. McLone was among the founders of the American Board of Pediatric Neurological Surgery in 1991.

Dr. McLone's dedication to his patients has never wavered. He has always placed the children first, starting with his confrontations with those suggesting "selection criteria" in the care of children with myelomeningocele. As his patients have grown up, he has continued to advocate for them. Most recently, he has spearheaded the establishment of a permanent camp for children with dysraphism, to begin their lifelong process of gaining independence. He was the driving force behind the building of a unique transitional living facility for people with spina bifida, the Anixter Village, which offers accessible and affordable housing combined with programs to help them achieve independent living.

http://www.neurosurgery.org/FrancIngrahamAwardS10.asp
The Pediatric Section is proud to recognize Dr. David McLone for all of these achievements and his lifelong dedication to pediatric neurosurgery.

Adapted with permission from the award presentation by Jack Walker, MD, to David G. McLone, MD, PhD, in Boston, Mass., December 2009.

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Traveling Fellowships

The Pediatric Section currently offers two types of traveling fellowships: the International Traveling Fellowship, and the Traveling Fellowship for Residents.

The International Traveling Fellowship is available for neurosurgeons who at the time of their application are either training in a residency program outside the United States and Canada, or who have completed residency training outside the United States and Canada within the past five years.

This fellowship will help to cover the traveling and living expenses for a three-month period to be spent observing the activities of an established pediatric neurosurgical service of the applicant's choosing in the United States or Canada. The maximum fellowship stipend is $5,000. The strict deadline for application submission is Nov. 15, 2010.

The Traveling Fellowship for Residents is available for residents currently in an accredited North American neurosurgical training programs. The fellowship is intended to help cover one month of traveling and living expenses for a trainee who wishes additional experience in pediatric neurosurgery during residency. The one-month fellowship can be spent at any pediatric neurosurgery program within North America to pursue an activity which broadens the resident's exposure to pediatric neurosurgery, including observation at a clinical or research center, participation in a research project, or any other relevant activity. The maximum fellowship stipend is $2,500. The strict deadline for application submission is Oct. 30, 2010.

Typically, two international fellowships and two domestic fellowships are awarded annually on the basis of a competitive evaluation by a committee of the Pediatric Section. Awardees are selected during the annual meeting in December.

For further information on either of these fellowships please contact:
Bermans J. Iskandar, M.D.
Department of Neurological Surgery
University of Wisconsin School of Medicine and Public Health
600 Highland Avenue, Room K4/832 CSC
Madison, WI 53792

At the Boston meeting, the Pediatric Section Executive Council awarded three international fellowships (and no domestic resident fellowships):

1. Manish K. Kasliwal (chief resident, All Institutes of Medical Science, New Delhi, India); Children's Hospital, Boston (R. Michael Scott, MD, sponsor)
2. Tania Leyva Mastepa (department of neurosurgery, Juan Manuel Marquez Pediatric Hospital, Havana, Cuba); British Columbia Children's Hospital (Paul Steinbok, MD, sponsor)
3. **George Chater Cure** (resident, Fundacion Santa Fe, Bogota, Columbia, South America); Weill Cornell Medical College (Mark Souweidane, MD, sponsor)

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**Membership Report**

**Mark R. Proctor, MD**

The Pediatric Section inducted 19 new members at the Boston meeting. There were seven new active members, seven resident members, and five international members.

At the Philadelphia business meeting, 20 candidates for membership will be voted upon. These candidate members have been recommended for membership by the Membership Committee. Please forward any comments you have about their application to Mark Proctor, MD.

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Glazier  Steven  Active

Hwang  Steven  Active

Klimo  Paul  Active

Quebada  Patricia  Active

Tobias  Michael  Active

Wacker  Margaret  Active

Wetjen  Nicholas  Active

Whitehead  William  Active

Wilson  James  Active

Wrubel  David  Active

**Conversion From Resident to Active Status**
Once a resident or fellow reaches attending status and has been granted Active CNS membership or Active/Active Provisional AANS membership, they are eligible for conversion from "Resident" to "Active" membership in the Pediatric Section.

It was recently brought to our attention that a clear method for conversion from Resident status to Active status needed to be communicated. A new drop down menu choice has been set up in the Membership area of the section's Web site that reads: **AANS/CNS Section on Pediatric Neurological Surgery – Status Change**

Selecting "Status Change" as described above essentially constitutes a formal request for the status change, and additional application materials are not required. The status change request will be forwarded to the Membership Committee, submitted to ShortCuts, and voted on by the membership, in the same fashion as any new member application.

*Mark R. Proctor, MD, is chair of the Membership Committee of the AANS/CNS Section on Pediatric Neurological Surgery.*

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2010 Mentored Young Investigators Awards

Bonnie Hom, MPH

The Hydrocephalus Association is pleased to release the request for applications for the 2010 Mentored Young Investigators awards. The purpose of this award is to support young scientists and clinicians who are building careers in hydrocephalus research.

These awards are open to eligible organizations in North America which include public or private institutions such as universities, colleges, hospitals and laboratories, and for-profit and nonprofit organizations. Potential applicants must complete a letter of intent by April 30, 2010, that describes the nature of the proposed project and its relationship to hydrocephalus and identifies their mentor and institution.

The request for applications, the letter of intent form and other application materials are available at http://www.hydroassoc.org/research_advocacy/ha-research-grants/raa-guidelines. Completed applications, including letters of recommendation and institutional commitment, must be submitted in a single PDF document by June 30, 2010. Applicants will receive instructions on uploading applications to the Hydrocephalus Association secure server in response to their letters of intent. Please contact me if you have any questions.

Bonnie Hom, MPH, is Youth and Community Coordinator of the Hydrocephalus Association