

# Neurotransmitter

Department of Neurological Surgery

<http://www.ohsu.edu/som-neurosurgery>

December 2000 Vol2 Issue 1

## Message from the Chairman

We approach the end of the first year of the new millennium. Y2K (remember that?) has come and gone. We face many challenges in the upcoming year, but I am pleased to report that as a group, our department is "goin' strong". In fact, we continue our steady growth in our clinical care, research and teaching missions.

I was very pleased with the recent Raaf Day tribute, and the participation from all members of the department. During the morning session, I discussed our current status as a department, and our plans for the coming year. At the risk of being repetitive, I'd like to revisit some of the points I discussed in my presentation.

Our program has grown so much in the past 10 years, that we find that the clinical and research opportunities for training vastly outstrip the number of residents in the program. One of our chief goals for next year, is to secure permission from the Neurological Surgery Residency Review Committee (RRC) to train two residents per year. This will allow us to provide new rotations in the ICU, Doernbecher Children's Hospital, and on the Endovascular service. It will also allow some relief for our dedicated (and tired!) resident crew. We anticipate an answer from the RRC in early January 2001.

Expanding programs in several areas have indicated to me that additional faculty support is needed. We are currently recruiting for faculty level appointments in Pediatric Neuro-

surgery, Surgical Neurooncology, and Spinal Surgery, (see page 6). We have interviewed several individuals, and you will see other candidates coming through the department in the next few months. Your support during the recruitment phase is greatly appreciated.

We are actively pursuing the development or continued funding of several key Professorships and Chairs. First, we hope to fund the Raaf Professorship at a level which would create a permanent endowed Chair



in Neurological Surgery, in honour of Dr. Raaf. Second, we continue to grow the Paxton endowment. Substantial contributions to this effort have already been made by a number of his past trainees, and these have been matched by contributions from our faculty. We hope the Paxton Professorship will be fully funded by the 2001 AANS meeting (see page 2). Finally, we are on the verge of establishing a Professorship in Pediatric Neurosurgery. Dr. Mario Campagna has provided support for the professorship to promote research in Pediatric Neurosurgery, and to maintain the highest level of care for children with neurosurgical problems, (see page 2). I am personally grateful to Dr. and Mrs. Campagna, and honoured that he has chosen our department as the recipient of this significant gift.

Lastly, enhanced communication is a priority for next year. The Neurotransmitter is now a regular publication of the department, and we hope it will continue to bring to you highlights of our activities, and information of interest to you. If you have not visited our website, please do so. It expands every week, and our hope is that it will become more useful and interactive in the coming months. My sincere thanks to Shirley McCartney, PhD for all her hard work on the newsletter, and website.

In closing for this year, I would wish all of you joyful holidays, and a happy, healthy, successful 2001!

### Editor:

Kim J Burchiel, MD, FACS  
Assistant Editor:  
Shirley McCartney, PhD

### In This Issue...

#### Neurological Surgery Professorships

#### John Raaf Day 2000

#### 99-00 Research and Education Highlights

#### Farewells and Welcomes

Kim J Burchiel, MD, FACS

## The Harold D Paxton Endowed Professorship in Neurological Surgery Education



Named in honour of Harold D Paxton, MD, former head of the division (now department) of neurological surgery at Oregon Health Sciences University, 1966-1991, and in keeping with his philosophy and approach to neurological surgical education, this endowed professorship will support the development and implementation of the most advanced and innovative methods in neurological surgical education.

This special professorship will be filled by an academic neurological surgeon with a national reputation for education, innovation and state-of-the-art approaches to neurosurgical teaching techniques.

The professorship will oversee a scope of training and curriculum development that will include applications of patient simulation, robotics, virtual reality, education and psychomotor theory and uses of the internet in a training environment. This unique professorship will help to further advance the Department of Neurological Surgery and its academic training program.

### How You Can Help?

*It will require \$1 million in gifts and commitments to establish the Harold D Paxton Endowed Professorship in Neurological Surgery Education. Your support of this vital professorship is needed. Gifts from fellow-faculty, emeritus faculty, alumni, former patients and friends are actively solicited through an on-going fund drive with a goal to appoint the Paxton professorship in the 2003 academic year.*

**Individuals interested in supporting this special project should contact:**

**Robert Mims**  
**OHSF Neurosciences**  
**Director of Development**  
**(503) 412-6359**

or

**Randy Petty**  
**OHSU School of Medicine**  
**Director of Development**  
**(503) 494-0595**

---

## The Mario and Edith Campagna Professorship of Pediatric Neurological Surgery

Mario J. Campagna, MD, and his wife, Edith, have contributed a \$1.4 million gift of appreciated real estate to establish "The Mario and Edith Campagna Professorship of Pediatric Neurological Surgery." The funds will have a two-fold function of securing talented faculty, promoting research in pediatric neurosurgery, and maintaining the highest level of care for children with neurosurgical problems.

As a graduate (class of '52) of the OHSU School of Medicine, Dr. Campagna's interest in the nervous system started as a student instructor (1948-1952) in the department of anatomy. Prior to receiving his medical degree, he married Edith and the two of them headed east where he interned at Philadelphia General Hospital, then took a neurological surgery residency at the Mayo Clinic. There, he did research on the pituitary gland and the spinal cord while earning a masters degree in neurological surgery from the University of Minnesota.

The Campagnas settled in Medford, Oregon, in 1957. Dr. Campagna entered a private practice of neurological surgery while the couple began raising a family. Today, they have four grown children and five granddaughters. Their children include a pediatrician graduate of OHSU, two engineers and one investment banker.

Dr. Campagna was a leader in neurological surgery in Southern Oregon, founding the Medford Neurological and Spine Clinic and securing for the community many advances

in the field of neurological surgery that occurred during the 35 years of his practice. He also was president of the Jackson County Medical Society and president of the medical staff at Providence Medford Medical Center.

Since his retirement in 1991, Dr. Campagna has been active in community programs, serving on the board of several foundations including the Oregon Health Sciences Foundation. Edith has been active in promoting the visual and performing arts in the Rogue Valley.

In 1999, Mario received the ASV Carpenter Distinguished Citizen Award from the Rogue Valley Medical Center Foundation. In June 2000, Mario and Edith were awarded the President's Medal from Southern Oregon University.

It is their wish that the gift fulfill their desire to continue excellence in neurosurgical education, research and patient care.

---

### The Art of Giving

Neurological Surgery was also honoured to receive 22 generous donations of less than \$100 and 10 donations of between \$100 to \$1000. These donations, help to sustain the Department and contribute to further Neurological Surgery research. Further donations were also made in support of Neurological Surgery Department Gifts and the John Raaf Chair.

## John Raaf Day 2000, 7th October 2000



The Department of Neurological Surgery is proud to recognize the accomplishments of John Raaf, MD, 1905-2000, widely regarded as the father of neurosurgery in the state of Oregon. Dr. Raaf advanced the profession during his years as chairman of the Department of Neurosurgery at Good Samaritan Hospital, for creating an outstanding resource for the neurosciences community in the Pacific Northwest.

The John Raaf Lecturer for 2000 was **William A. Buchheit MD, FACS**. Dr. Buchheit is the program director and chief of the Thomas Jefferson University Neurosurgical Center. He has been President of the American Academy of Neurological Surgery, an officer of the Congress of Neurological Surgeons, on the board of directors of the AANS, President of the Society of University Neurosurgeons, the Pennsylvania Neurosurgical Society, and the Mid-Atlantic Neurosurgical Society, and a member of ABNS. Amongst many surgical interests his primary interests are in Acoustic Tumors.

John Raaf Day 2000 began with a presentation by Dr. Buchheit who discussed the following topics related to his work with acoustic tumours:

- ❖ downsides of tumour removal and how to avoid them
  - how to determine who will be at risk post-op
  - post-op haemorrhage
  - meningitis risk post-op
  - retention of hearing post-op
- ❖ natural history of acoustic tumour growth v gamma knife treatment acoustic tumour growth.
- ❖ post-op facial nerve neuropathy percentages, surgical removal compared with gamma knife treatment

Dr. Kim Burchiel then paid tribute to Dr. John Raaf and also presented an overview of the Department of Neurological Surgery. Members of the Raaf family were able to attend, this section of the day.

The day concluded with a presentation by Dr. Buchheit who discussed the Rogue River Neurological Society, founded in 1948. The original founders, of the Rogue River Neurological Society were Dr. John Raaf, Dr. Rupert Rainey, Dr. Mac and Dr. Francis Murphy. The Rogue River Neurological Society met in Agness, OR at the Raaf's cabin, "The Crooked Rifle Lodge". Dr. Buchheit shared his memories and experiences of times fishing in Agness with other members of the Society and the recipe to the Rogue River Neurological Society's "gin fizz".

### Past John Raaf Lecturers

Lawrence F Marshall MD	1991
John A Jane MD PhD	1992
Julian T Hoff MD	1993
Albert L Rhoton Jr MD	1994
Martin H Weiss MD	1995
Robert H Wilkins MD	1996
John M Tew Jr MD	1997
Donlin M Long MD PhD	1998
Robert Grossman MD	1999



*Dr. William Buchheit  
and  
Dr. Kim Burchiel*



*Dr. Buchheit with the Burchiel's at Mt. Hood*

### Neurosurgery Web Site - Key Resource

- ❖ Links<sup>2</sup>Go recently selected the Neurological Surgery Department web page as a key resource, in the category of neurosurgery, <http://www.ohsu.edu/som-neurosurgery>. Each quarter Links<sup>2</sup>Go samples millions of web pages to determine which sites are most frequently referenced by other Web Page authors. No more than 50 pages in any one category are recognized as key resources.
- ❖ Shirley McCartney PhD was recognized as Web Wizard of the month by OHSU Web Services and welcomed into the Halls of Web Wizardry at OHSU, June 2000.
- ❖ The Division of Neurotrauma Intensive Care can now be found at <http://www.ohsu.edu/som-ntrg>
- ❖ The Division of Cerebrovascular Surgery can now be found at <http://www.ohsu.edu/som-cerebrovascular>

### Neurological Surgery Events and News

- ❖ Departmental Picnic at Oaks Park, August 2000
- ❖ Departmental Holiday Celebration at the River Place Hotel, December 2000.
- ❖ **The Neurons** (comprising faculty, residents and staff) represent Neurological Surgery in the Top of The Hill Basketball Intramurals at OHSU.

### Employees of the Quarter 2000

Winter - Patricia Miller  
 Spring - Melissa Bogges  
 Summer - Christine Hammerton  
 Autumn - Megan Brooke

## 1999-2000 Highlights in Research and Education

### ◆ Johnny Delashaw Jr., MD

❖ Lectured on Petrosal Craniotomy and its Variations at the Montana Neurological Symposium, September, 2000.

❖ Invited to present Grand Rounds “Skull Base approaches to the Petrous Apex”, Rocky Mountain Neurosurgical, Swedish Medical Center, Englewood, CO, October 2000

❖ Visiting Professor to the Department of Neurosurgery Stanford University,

where Delashaw

discussed Microsurgical

Anatomy of the Skull Base,

October 2000

❖ Instructor at the Anspach sponsored Skull Base Course, West Palm Beach, FL, November, 2000.

❖ Invited instructor at the Anspach sponsored Skull Base Course, Teipai, Taiwan, January 2001

❖ An open-label, multicenter 2 year clinical trial of Gliadel as a component of combination therapy in patients with newly diagnosed malignant glioma. Sponsor: Univ. New Jersey Medical School.



### ◆ Thomas Baumann, PhD

Background: Diabetes causes widespread peripheral sensory and autonomic neuropathy, particularly when blood glucose levels are poorly controlled. Diabetic sensory neuropathy is associated with reduced vibration perception, compromised light touch and position sense, weakness and depressed tendon reflexes, loss of sensitivity to thermal and noxious stimuli and can result in damage to sensory fibers which leads to neuropathic pain and paresthesias. Pain ranks among the most common debilitating complications of diabetes.

❖ National Institutes of Health: “Dorsal Root Ganglion as Source of Neuropathic Pain.” Award Date: 9/30/00. A previous neurophysiological study on diabetic rats found an abnormally high incidence of spontaneous action potential discharge originating in the cell bodies of dorsal root ganglion (DRG) neurons. The goal of this research project is to examine changes in membrane ionic conductances which may be responsible for ectopic action potential discharge in DRG neurons of diabetic rats. Baumann’s research group are interested to determine if the changes in DRG neuron properties in diabetic animals are analogous to those observed by our laboratory in DRG neurons obtained from humans treated surgically (by ganglionectomy) for neuropathic pain due to nerve injury. Together, the proposed studies are expected to provide novel information about the DRG as a peripheral source of neuropathic pain.

❖ American Diabetes Association: “Modulation of DRG neuron excitability in diabetic neuropathy.” Award Date: 7/01/00. Neurophysiological studies in anesthetized animals indicate that pain may be due to abnormal spontaneous

(background) electrical activity of the cell bodies of the neurons which innervate the affected limbs. The goal of this project is to study changes in membrane pores which may be responsible for the abnormal electrical activity.

### ◆ Randall Chesnut, MD, FACS

Initiated as a Fellow in the American College of Surgeons, (FACS) October, 2000.

### ◆ Pediatric Guidelines for the Management of Severe Traumatic Brain Injury

Dr. Randall Chesnut (principal investigator) and Dr. Nathan Selden (co-investigator) are actively involved in the development of Pediatric Guidelines for the Management of Severe Traumatic Brain Injury. The first meeting was held in August 2000 in Chicago intercurrent to the Brain Injury Association convention.

### ◆ Pediatric Neuro-oncology clinic

Dr. Nathan Selden (Head, Division of Pediatric Neurosurgery) and Dr. Stacy Nicholson (Head, Pediatric Neuro-oncology) are the cofounders of the Comprehensive Pediatric Brain Tumour clinic. The first of its kind in Oregon, the clinic provides comprehensive, interdisciplinary care for children with brain and spinal cord tumours. The clinic includes medical, surgical, radiation therapy, nursing and social work specialists and other support staff. The goal of the new clinic is optimal medical decision-making for children with nervous system tumours, which require sophisticated multidisciplinary management. The clinic is also designed to provide optimal communication with patients and families, who are able to ask questions about each of their medical and surgical options of all of their providers together. The Comprehensive Pediatric Brain Tumour clinic meets every other Wednesday at Doernbecher Children’s Hospital.

### ◆ Walter E. Dandy, MD 1886-1946

Mary Ellen Marmaduke, the daughter of pioneering Neurosurgeon Walter Dandy, presented a chronological synopsis of her father's life and career at Grand Rounds in June 2000, her presentation is now available on line at <http://www.ohsu.edu/som-neurosurgery>

### ◆ Neurotrauma Research Group awarded funding to investigate Traumatic Brain Injury Rehabilitation.

#### **Traumatic Brain Injury Rehabilitation - The Argentina Project.**

This project compares a cohort of 200 traumatic brain injury (TBI) patients from Argentina with a matched sample of 200 cases from the National TBI Model Systems Database (MS Database). The Neurotrauma Group of the Argentina Society of Intensive Medicine (SATI) has instituted a level of acute care for TBI at a group of trauma hospitals in Argentina which is the equal of hospitals in the United States. However,

*cont page 6...*

## Farewells and Welcomes

Dr. Joseph Piatt first came to OHSU in 1982 where he trained in the Department of Neurology. Piatt returned in 1989 as Assistant Professor in the Division of Neurosurgery and Department of Pediatrics. By 1993 Piatt was Associate Professor in the Departments of Neurological Surgery and Pediatrics. Piatt was also appointed Director of Surgical Services at Doernbecher Children's Hospital in February of 1999. Piatt is currently Professor of Neurological Surgery and Pediatrics at MCP Hahnemann University and Chief of the Section of Neurosurgery, St. Christopher's Hospital for Children. (his full address follows)

A reception in honour of Dr. Piatt was held jointly by Doernbecher Children's Hospital and the Department of Neurological Surgery, at the Doernbecher Conference Center in June 2000. Many of Dr. Piatt's colleagues and friends attended and wished him well. (Piatt is pictured below from left to right with, President Kohler, Dr. Frank and Dr. Tilford)

The Department of Neurological Surgery would like to extend its wishes to Dr. Piatt and his family.

Nathan Selden MD, PhD, is now Head, Division of Pediatric Neurosurgery, Department of Neurological Surgery.

**Joseph H Piatt, Jr, MD, FAAP**  
**Professor, Neurological Surgery and Pediatrics,**  
**MCP Hahnemann University,**  
**Chief, Section of Neurosurgery,**  
**St. Christopher's Hospital for Children Section of Neurosurgery,**  
**St. Christopher's Hospital for Children,**  
**Erie Avenue at Front Street,**  
**Philadelphia, PA 19134-1095**



## Other Farewells and Congratulations

The Department of Neurological Surgery would like to extend its best wishes to staff members who have or will be moving on to new opportunities.

**Todd Kuether, MD,** Neurosurgery Chief Resident 1999 - 2000, joined the Dotter Interventional Institute, OHSU as an Assistant Professor in July 2000. He joins Gary Nesbit, MD, and Stan Barnwell, MD, PhD, as a member of the Neurointerventional Surgical Service. In addition, Kuether will provide these services through a cooperative effort with St. Vincent's, Providence, and Emanuel hospitals. Kuether also joins previous OHSU Neurosurgery chief residents, Dan Rohrer, MD, and Oisín O'Neill, MD, as a member of Microneurosurgical Consultants, Portland.

**Joseph Finizio, MD,** Skull Base Fellow 1999-2000 is now a Staff MD in the Department of Neurosurgery at Boca Raton Community Hospital, Florida.

Jennifer Kernan, MD, Assistant Professor at the Veterans Affairs Medical Center is moving to private practice (Surgical Neurology) in Southern New Hampshire in March 2001.

**Jennifer Clark,** Surgery Scheduler left the Department in November 2000. Jennifer joined the US Army to train as a practical nurse. Jennifer leaves for Fort Sill, Oklahoma, in January 2001 for basic training. Then heads to Fort Hood, Texas, to begin her 4 year practical nurse training.

We thank each of them for their commitment, contribution and support to the Department of Neurological Surgery.

## Welcome

**Mei Xu, MD, PhD,** joined Mary Heinricher's laboratory in November as a Post-Doctoral Fellow. Dr. Xu, joins the Department from the Department of Pharmacology and Toxicology at the Institute of Biomedicine in Helsinki, Finland. Mei will be working on projects involving the use of pharmacological and electrophysiological tools to manipulate neuronal circuits within the rostral ventromedial medulla, characterizing the effects of these manipulations on identified pain modulating cells in the medulla and on nocifensive reflexes.

**Chang Kim, MD,** also joined Mary Heinricher's laboratory in November as a Post-Doctoral Fellow. Dr. Kim joins the Department from the Department of Anesthesiology at Catholic University in Seoul, Korea. Kim will be concentrating his efforts on experiments designed to characterize neuronal circuits within the rostral ventromedial medulla.

**Mirand Neubert, BA,** is a recent graduate of Boston University who has completed her BA in psychology and has completed some graduate level coursework in developmental neuropsychology and cognitive science. She joined Mary Heinricher's laboratory in November as a Research Assistant.

**Saedi Targol** joined Tom Baumann's laboratory in September as a Research Assistant. She joined the Department from the CROET Institute, OHSU where she completed a student fellowship. She is currently a premedical student at Portland State University and will be assisting in the laboratory with basic laboratory work as a student research assistant.

**Sarah Layman, ARNP,** joined the Division of Pediatric Neurosurgery in November, as Pediatric Neurosurgery Nurse Practitioner. Sarah has more than 10 years of experience in neurosurgery acute care, most recently at the Harborview Medical Center, University of Washington Medical School. As a member of the Pediatric Neurosurgery Clinical Team at OHSU, Sarah will coordinate pre-surgical evaluation and continuing care for patients with hydrocephalus and nervous system trauma. Sarah will also play an important role in the clinical research and teaching missions of the Division of Pediatric Neurological Surgery, OHSU.

cont from page 4...

TBI patients in Argentina are discharged from excellent acute care to no further formal treatment. This affords an opportunity to test two groups of TBI survivors who have equivalent levels of acute care but radically different post-acute rehabilitation. The US sample are all cases who have had at least post-acute, inpatient rehabilitation and some have had outpatient treatment as well. Patients in both groups will be case-matched for major predictive variables and compared with respect to short and long term mortality and morbidity to investigate the influence of post-acute care on outcome. Additionally, the influence of acute care management practices on outcome will be evaluated and regression analysis will be used to establish the major predictive variables in this patient population. This project is the first to prospectively address integrated TBI management under the conditions of significant resource limitations that exist in many areas of the world.

Principal Investigator: Randall Chesnut, MD.

Start Date: August 1, 2000. Length: 36 months.

NIDRR Funding: FY 2000: \$149,905.



#### ◆ Neurotrauma Research Group travels to Argentina

The Neurotrauma Research Group (NTRG) of OHSU was recently awarded a grant from the National Institute of Disability Rehabilitation and Research (NIDRR) to study traumatic brain injury in Argentina, in collaboration with the Neurotrauma Group of the Argentina Society of Intensive Medicine (SATI), (see above). This last August, four members of the NTRG, Randy Chesnut, MD, Sue Cullinan, RN, Nancy Carney, PhD, and Heather Brooks, BS, went to Buenos Aires, Argentina, to start up the Argentina Project. While there, they spent six days in intense collaboration and effort, working with the SATI investigators to perfect and kick off the project. It was an educational and rewarding experience for all of the participants, Argentinian and US alike.

More information on the Argentina project can be found on the NTRG website, (<http://www.ohsu.edu/som-ntrg>)

#### ◆ Recruitment

##### Neurotrauma Fellowship

Oregon Health Sciences University Department of Neurological Surgery is seeking candidates for a one-year post-residency fellowship in Neurotrauma beginning July 2001.

The position includes neurosurgical and critical care management of brain and spine injured patients. Active research includes Traumatic Brain Injury Model Systems long-term outcome tracking, cerebral blood flow and metabolism monitoring and manipulation, and development of targeted therapy protocols. Experience in surgical management of spinal trauma is an option. BC/BE

Please submit a curriculum vitae to:

Randall Chesnut, MD

Phone: 503-494-3217 Fax: 503-494-7161

E-mail: [chesnutr@ohsu.edu](mailto:chesnutr@ohsu.edu)

#### Academic Neurosurgeons

The Department of Neurological Surgery at Oregon Health Sciences University is expanding its clinical services. Recruitment has begun for BC/BE candidates in the following areas: **Pediatric Neurosurgery, Spine Surgery, Surgical**

##### Neurooncology

Please submit a curriculum vitae to:

Kim J. Burchiel, MD

John Raaf Professor and Chairman

Phone: 503-494-6207 Fax: 503-494-7161

E-mail: [burchiek@ohsu.edu](mailto:burchiek@ohsu.edu)

#### ◆ Visiting Fellows 1999-2000

- ❖ Murat Kutlay, MD, Staf. Etimesgut Hospital, Ankara, Turkey. Dr. Kutlay served a one-year Research Fellowship, in The Division of Functional and Stereotactic Neurosurgery and was sponsored by the Turkish Government. November 1999-November 2000.
- ❖ Christian Strauss, MD, University of Erlangen-Nuremberg, Erlangen, Germany. Dr. Strauss visited the Department of Neurological Surgery as an observer from June through August 2000.
- ❖ Selcuk Peker, MD, Marmara University, Istanbul, Turkey. Dr. Peker visited the The Division of Functional and Stereotactic Neurosurgery as an observer for 3 weeks in October 1999.
- ❖ Masaaki Kimura, MD, Nagoya Daini Red Cross Hospital, Nagoya-City, Japan. Dr. Kimura visited the The Division of Functional and Stereotactic Neurosurgery as an observer for 2 weeks in September 1999.
- ❖ Jonathan Carlson, PhD, completed a 1 month Neurosurgery rotation in October 2000. Carlson is a 4th year medical student at Loma Linda University, CA.

#### ◆ Selected Publications 1999-2000

*in press*

- ❖ Mayberry JC, Wu IC, Goldman RK, Chesnut RM  
Cervical spine clearance and neck extension during percutaneous tracheostomy in trauma patients. *Critical Care Medicine*
- ❖ Tien R, Chesnut RM  
Medical Management of the Traumatic Brain-Injured Patient, *Head Injury, 4/e*, Chapters 17-21, Cooper & Golfinos, ed
- ❖ Chesnut RM  
Medical Management of Intracranial Pressure, *Head Injury, 4/e*,

Chapter 10, Cooper & Golfinos, ed

- ❖ Chesnut RM  
Evolving Models of Neurotrauma Critical Care: An Analysis and Call to Action, *CNS-99, Volume 46*, Grady MS, Editor.
- ❖ Chesnut RM, Sung CC, Levin HS, *et al*  
Lack of Effect of Hypothermia in Acute Brain Injury  
*The New England Journal of Medicine*

*publications*

- ❖ Bullock RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, Walters BC, Wilberger JE  
Part 1: Guidelines for the Management of Severe Traumatic Brain Injury.  
*J of Neurotrauma*, Volume 17, Number 6/7, 2000:451-553
- ❖ Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, Walters BC  
Part 2: Early Indicators of Prognosis in Severe Traumatic Brain Injury.  
*J of Neurotrauma*, Volume 17, Number 6/7, 2000:557-627.
- ❖ Horgan MA, Anderson GJ, Kellogg JX, Schwartz MS, Spektor S, McMenomey SO, Delashaw JB  
Classification and quantification of the petrosal approach to the petroclival region.  
*Journal of Neurosurgery* 2000 Jul;93(1):108-12
- ❖ Spektor S, Anderson GJ, McMenomey SO, Horgan MA, Kellogg JX, Delashaw JB Jr  
Quantitative description of the far-lateral transcondylar transtuberular approach to the foramen magnum and clivus.  
*Journal of Neurosurgery* 2000 May;92(5):824-31
- ❖ Heller AC, Kuether T, Barnwell SL, Nesbit G, Wayson KA  
Spontaneous brachial plexus hemorrhage-case report.  
*Surgical Neurology* 2000 Apr;53(4):356-9
- ❖ Lang EW, Chesnut RM  
A bedside method for investigating the integrity and critical thresholds of cerebral pressure autoregulation in severe traumatic brain injury patients.  
*British Journal of Neurosurgery* 2000 Apr;14(2):117-26
- ❖ Favre J, Burchiel KJ, Taha JM, Hammerstad J  
Outcome of unilateral and bilateral pallidotomy for Parkinson's disease: patient assessment.  
*Neurosurgery* 2000 Feb;46(2):344-53; discussion 353-5
- ❖ Kaakaji W, Burchiel KJ  
Neurological surgery. [Review] [68 refs]  
*Journal of the American College of Surgeons* 2000 Feb;190(2):166-72
- ❖ Burchiel KJ, Slavin KV  
On the natural history of trigeminal neuralgia. [Review] [11 refs]  
*Neurosurgery* 2000 Jan;46(1):152-4; discussion 154-5
- ❖ Schwartz MS, Anderson GJ, Horgan MA, Kellogg JX, McMenomey SO, Delashaw JB Jr  
Quantification of increased exposure resulting from orbital rim and orbitozygomatic osteotomy via the frontotemporal transsylvian approach.  
*Journal of Neurosurgery* 1999 Dec;91(6):1020-6
- ❖ Burchiel KJ, Anderson VC, Favre J, Hammerstad JP

- Comparison of pallidal and subthalamic nucleus deep brain stimulation for advanced Parkinson's disease: results of a randomized, blinded pilot study.  
*Neurosurgery* 1999 Dec;45(6):1375-82; 1382-4
- ❖ Hsu FP, Kuether T, Nesbit G, Barnwell SL  
Dural sinus thrombosis endovascular therapy. [Review] [28 refs]  
*Critical Care Clinics* 1999 Oct;15(4):743-53, vi
- ❖ Slavin KV, Nixon RR, Nesbit GM, Burchiel KJ  
Extensive arachnoid ossification with associated syringomyelia presenting as thoracic myelopathy. Case report and review of the literature. [Review] [63 refs]  
*Journal of Neurosurgery* 1999 Oct;91(2 Suppl):223-9
- ❖ Horgan MA, Hsu FP, Frank EH  
A novel endoscopic approach to anterior odontoid screw fixation: technical note.  
*Minimally Invasive Neurosurgery* 1999 Sep;42(3):142-5
- ❖ Burnette WC, Nesbit GM, Barnwell SL  
Intra-arterial thrombolysis for acute stroke. [Review] [43 refs]  
*Neuroimaging Clinics of North America* 1999 Aug;9(3):491-508
- ❖ Kuether TA, Nesbit GM, Barnwell SL  
Other endovascular treatment strategies for acute ischemic stroke. [Review] [14 refs]  
*Neuroimaging Clinics of North America* 1999 Aug;9(3):509-25
- ❖ Patterson PK, Maynard H, Chesnut RM, Carney N, Mann NC, Helfand M  
Evidence of case management effect on traumatic-brain-injured adults in rehabilitation.  
*Care Management Journals* 1999 Spring;1(2):87-97
- ❖ Carney N, Chesnut RM, Maynard H AU, Mann NC, Patterson P, Helfand M  
Effect of cognitive rehabilitation on outcomes for persons with traumatic brain injury: A systematic review [see comments]. [Review] [45 refs]  
*Journal of Head Trauma Rehabilitation* 1999 Jun;14(3):277-307
- ❖ Favre J, Taha JM, Baumann T, Burchiel KJ  
Computer analysis of the tonic, phasic, and kinesthetic activity of pallidal discharges in Parkinson patients.  
*Surgical Neurology* 1999 Jun;51(6):665-72; discussion 672-3
- ❖ Akbostanci MC, Slavin KV, Burchiel KJ  
Stereotactic ventral intermedial thalamotomy for the treatment of essential tremor: results of a series of 37 patients.  
*Stereotactic & Functional Neurosurgery* 1999;72(2-4):174-7

## Recognizing Outstanding Service Excellence (ROSE AWARDS)

All Staff of Neurological Surgery Department and the following individuals received ROSE awards in 2000, to date.



Jodi Philips	Keeley Olmsted	Dr. Chris Aho
Kelly Schoo	Todd Ellingson	Dr. Frank Hsu
April Liebelt	Bryce Helgerson	Dr. Gary Nesbit
Danacia Jones	Christine Hammerton	Dr. Murat Kutlay
Megan Brooke	Dr. Zvi Israel	Dr. Nathan Selden
Beverly Cooke	Dr. Jordi Kellogg	Dr. Edmund Frank
Melissa Bogges	Dr. Stanley Barnwell	Dr. Jennifer Kernan
	Dr. Farhad Limonadi	Dr. Johnny Delashaw



OREGON  
HEALTH  
SCIENCES  
UNIVERSITY

**Neurological Surgery, L-472**  
3181 SW Sam Jackson Park Road  
Portland, OR 97201-3098

*OHSU is an Equal Opportunity Employer*

Nonprofit Org.  
U.S. Postage  
PAID  
Portland, OR  
Permit No. 722

### You can Help the Department of Neurological Surgery Meet its Mission

The Department of Neurological Surgery has a variety of programs that support research and resident/fellow education. Listed below is a brief description of the different activities supported by these funds.

- ❑ **Raaf Chair:** This endowed Chair supports research in neurological surgery and neurosciences.
- ❑ **Paxton Fellowship:** This endowed professorship will support the development and implementation of the most advanced and innovative methods in neurological surgical education. This special professorship will be filled by an academic neurological surgeon with a national reputation for education, innovation and state-of-the-art approaches to neurosurgical teaching techniques.
- ❑ **Neurosurgical Educational Gifts:** Providing support for numerous endeavours, in keeping with Neurological Surgery's mission statement. Emphasizing innovation and the dissemination of new knowledge; development of curricula and an environment that stimulates, the spirit of inquiry; research into the prevention and cure of neurological disease and disability.
- ❑ **Campagna Professorship:** providing support for a pediatric neurosurgical professorship and promotion of research in pediatric neurosurgery, and maintenance of the highest level of care for children with neurosurgical problems.

If you would like to make a tax deductible contribution to any of these funds, please make your check payable to "OHSU-Dept. of Neurological Surgery" and submit it to **Bryce Helgerson at the address above, along with a copy of this page and the fund(s) you wish to contribute to checked off.** You will receive a letter stating that you have made a tax deductible donation as proof of your charitable giving.

### John Raaf Department Chairman

Kim J Burchiel, MD 494-7978

#### Faculty

Stanley Barnwell, MD, PhD 494-0371

Johnny Delashaw, MD 494-7737

Randy Chesnut, MD 494-3217

Edmund Frank, MD 494-0371

Nathan Selden, MD, PhD 494-0872

Valerie Anderson, PhD 494-6393

Thomas Baumann, PhD 494-6393

Mary Heinricher, PhD 494-6393

David Gostnell, PhD 494-6393

Bryce Helgerson, MHA 494-6428

Administration/Referrals/

Appointments/

Surgery Scheduling: (503) 494-4314

Facsimile: (503) 494-7161

Physician Consultation Service

Portland: (503) 494-4567

Outside Portland: (800) 494-6478

e-mail: [mccartns@ohsu.edu](mailto:mccartns@ohsu.edu)

<http://www.ohsu.edu/som-neurosurgery>