

**Charles Corbett Wilkinson**  
Assistant Professor of *Neurosurgery*  
*University of Colorado Health Sciences Center*  
*The Children's Hospital*  
*13123 E 16<sup>th</sup> Ave, B330*  
*Aurora, CO 80045*  
*(720) 777-6100*  
[wilkinson.charles@TCHden.org](mailto:wilkinson.charles@TCHden.org)

### ***Hospital Affiliations***

**The Children's Hospital**, Denver, CO  
August 2005 – present  
Director of Neurotrauma

**University of Colorado Health Sciences Center**, Denver, CO  
September 2005 – present  
Assistant Professor of Neurosurgery

**Exempla Saint Joseph Hospital**, Denver, CO  
December 2005 – present

**Presbyterian/St Luke's Medical Center**, Denver, CO  
January 2006 – January 2008

### ***Education***

**The Children's Hospital**, Denver, CO  
University of Colorado Health Sciences Center, Department of Neurosurgery  
Pediatric Neurosurgery Fellowship, July 2004 – July 2005

**West Virginia University**, Morgantown WV  
Department of Neurosurgery Residency, July 1999 – June 2004  
Department of Surgery Internship, July 1998 – June 1999

**University of California, San Francisco**  
Fetal Treatment Center  
Fetal Surgery Research Fellowship, 1997-1998

**New York Medical College**, Valhalla NY  
Doctor of Medicine, 1997

**The Pennsylvania State University**, University Park PA  
Bachelor of Science, 1989  
Major: Biology      Minor: Exercise Physiology

### ***Boards***

- USMLE Part I, II, III: passed
- American Board of Neurological Surgery Written Examination: passed
- American Board of Neurological Surgery Oral Examination: applied for May 2009 session

### **Publications**

Brones A, Mengshol S, Wilkinson CC. Ossifying lipoma of the cervical spine: case report. Submitted to Journal of Neurosurgery: Pediatrics.

Winston KR, Trinidad E, Wilkinson CC, McBride LA. CSF shunt operations without cranial bandaging. Submitted to Journal of Neurosurgery: Pediatrics.

Kleinschmidt-DeMasters BK, Lovell MA, Donson AM, Wilkinson CC, Madden JR, Addo-Yobo SO, Lillehei KO, Foreman NK. Molecular array analyses of 51 pediatric tumors shows overlap between malignant intracranial ectomesenchymoma and MPNST but not medulloblastoma or atypical teratoid rhdoid tumor. Acta Neuropathol 113:695-703, 2007.

Wilkinson CC, Keating RF. Congenital anomalies. In Winston KR, Ketch LL. Textbook on plastic surgery in pediatrics. (in preparation).

Wilkinson CC, Winston KR. Arachnoid cysts. In Albright AL, Pollack IF, Adelson PD. Principles and Practices of Pediatric Neurosurgery. 2nd edition. NY: Thieme, 2007

Wilkinson CC, Multani J, Bailes JE. Chronic subdural hematoma presenting with symptoms of transient ischemic attack (TIA): A case report. West Virginia Medical Journal 97:194-196, 2001.

Paek BW, Farmer DL, Wilkinson CC, Albanese CT, Peacock W, Harrison MR, Jennings RW. Hindbrain herniation develops in surgically created myelomeningocele but is absent after repair in fetal lambs. Am J Obstet Gynecol 183:1119-1123, 2000.

Wilkinson CC, Albanese CT, Jennings RW, Feldstein VA, Goldberg JD, Baehner FL, Farrell JA, Peacock WJ, Harrison MR. Fetal neurenteric cyst causing hydrops: Case report and review of the literature. Prenat Diagn 19:118-121, 1999.

### **Posters & Presentations: National**

Wilkinson CC, Winston KR, Ketch LL, Keating RF. "Syndromic Craniosynostosis, Fibroblast Growth Factor Receptor 2 (FGFR2) Mutations, and Human Tails. Congress of Neurological Surgeons 2008 Meeting. Orlando FL, September 2008.

Wilkinson CC, Keating RF. A human tail associated with acute neurological deterioration: Case report. The 32<sup>nd</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Salt Lake City, October 2003.

Wilkinson CC, Collins JJ. "Subfascial implantation of a vagus nerve stimulator through a single cervical incision." The 31<sup>st</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Scottsdale AZ, December 2002.

Wilkinson CC, Miele VJ, Nestor S, Rosen CL, Bailes JE, "Phenytoin and Magnesium Sulfate as Neuroprotective Agents in Acute Spinal Cord Injury." American Association of Neurological Surgeons Annual Meeting, Chicago, April 2002.

Wilkinson CC, Bloomfield SM. "Intrashunt administration of antibiotic during cerebrospinal fluid shunt surgery: Incidence of infection versus early post-shunting seizures." Oral Posters, Section on Pediatric Neurosurgery, Congress of Neurological Surgeons Annual Meeting, San Diego, October 2001. 2nd place.

**Posters and Presentations: Regional**

- Wilkinson CC, Winston KR, Ketch LL, Keating RF. "Syndromic Craniosynostosis, Fibroblast Growth Factor Receptor 2 (FGFR2) Mutations, and Human Tails." 21<sup>st</sup> Annual Neurosurgery in the Rockies, Beaver Creek CO, February 2008.
- Wilkinson CC, Winston KR, Ketch L. "Fibrous dysplasia and headaches in children." 18<sup>th</sup> Annual Neurosurgery in the Rockies, Vail CO, February-March, 2005.
- Wilkinson CC, Bloomfield SM. "Intrashunt administration of antibiotic during cerebrospinal fluid shunt surgery: Incidence of infection versus early post-shunting seizures." Neurosurgical Society of the Virginias Annual Meeting, January 2001.

**Posters and Presentations: Local**

- Wilkinson CC. Craniosynostosis: Definitions, Epidemiology, Classification, Etiology." Exempla Lutheran Medical Center. December 9, 2008.
- Wilkinson CC. Hyperosmolar Therapy in Pediatric Closed Head Injury. The Children's Hospital Pediatric Trauma Conference. November 14, 2008.
- Wilkinson CC. Update on treatment of spinal cord injury. The Children's Hospital Monthly Trauma Lecture Series. October, 2008.
- Wilkinson CC: Minor (and Not-So-Minor) Closed Injury to the Pediatric Head and Spine. Boulder Community Hospital Department of Surgery Morning Conference. April 24, 2008.
- Wilkinson CC: Development of the Spine. University of Colorado Denver Neurosurgery Grand Rounds. April 1, 2008.
- Wilkinson CC: "Head Bumps, Bonks, and Bashes: Part II – What We See." The Children's Hospital Pediatric Trauma Conference. December 2007.
- Wilkinson CC: "Craniosynostosis: Definitions, Epidemiology, Classification, Etiology." University of Colorado Denver Child Health Associate/Physician Assistant Program, Pediatric Clinical Medicine I lecture. November 5, 2007.
- Wilkinson CC. "Craniosynostosis: Definitions, Epidemiology, Classification, Etiology." The Children's Hospital Annual Perioperative Education Day. February 2007.
- Wilkinson CC. "Pediatric Neurotrauma Emergency Basics: When the Pediatric Neurosurgeon is 100 Miles Away." The Children's Hospital Pediatric Trauma Conference. December 2006.
- Wilkinson CC. "Controversies in Pediatric Neurosurgery." University of Colorado Denver Neurosurgery Grand Rounds. October 2006.
- Wilkinson CC. "Controversies in Pediatric Neurosurgery." The Children's Hospital Monthly Trauma Lecture Series. October 2006.
- Wilkinson CC, Paek BW, Albanese CT, Peacock W, Harrison MR, Jennings RW. "Surgical model of myelomeningocele in the fetal lamb: In utero repair and development of the Chiari II malformation." WVU Department of Surgery Resident Research Competition, April 1999. 1st prize.
- Wilkinson CC. "A case of prenatally diagnosed amniotic band syndrome." Ethics and Fetal Intervention Conference. Fetal Treatment Center, UCSF. September 1997.

### ***Other Research***

#### **Medical School**

"The release of serotonin by the soma of leech ganglion cells." Anna Kleinhaus PhD. Department of Anatomy and Cell Biology, NYMC. Unpublished research.

"Efficacy of the computerized Viewing Wand in pediatric neurosurgery." Deborah Benzil MD, Arno Fried MD. Department of Neurosurgery, NYMC. Unpublished research.

#### **Undergraduate**

"Ergogenic effects of calcium supplementation on exercise performance."

James Hatzell Phd. Noll Human Performance Lab, Penn State.

University Scholars Senior Thesis.

### ***Honors***

#### **Medical School**

HONORS: Anatomy, Histology, Biochemistry, Physiology, Behavioral Science, Microbiology, Neurology, Psychiatry, Community & Preventative Medicine, Burn Surgery (U of WA), Pediatric Surgery (UCSF), Pediatric Sub internship

CLINICAL HONORS: Obstetrics/Gynecology

HIGH PASS: Neurosciences, Pathology, Physical Diagnosis, Surgery, Pediatrics, Medicine, Neurosurgery Research, Surgical Subspecialties, Neurosurgery.

NYMC Trustees Academic Scholarship, 1994-1997

#### **Undergraduate**

University Scholars Program

Dean's list: 5 semesters

### ***Additional Experiences***

- New York Medical College Neurosciences Club cofounder, copresident, 1993-1995.
- Volleyball: Intercollegiate, USVBA club, beach
- Liberty High School / Bethlehem Catholic High School (Bethlehem PA): Boys and girls interscholastic volleyball coach, 1989-1991.
- Bethlehem Juniors Volleyball Club: Girls USVBA Junior Olympic 18-&-under coach, 1989-1991. USVBA Junior Olympic Championships 1990.

### ***Memberships***

- Congress of Neurological Surgeons
- Colorado Mountain Club
- Colorado Neurosurgical Society

### ***Outside Interests***

- Running
- Mountaineering/Rock Climbing
- Guitar

## References

Julian Bailes, MD  
Professor and Chairman  
Department of Neurosurgery  
West Virginia University  
Morgantown, WV  
(304) 293-5041

John Collins, MD  
Assistant Professor  
Chief of Pediatric Neurosurgery  
WVU Department of Neurosurgery  
Morgantown, WV  
(304) 293-5041

Takanori Fukushima, MD  
Professor of Neurosurgery  
WVU Department of Neurosurgery  
Morgantown, WV  
(304) 293-5041

Robert Keating, MD  
Chairman, Pediatric Neurosurgery  
Children's National Medical Center Washington, DC  
(202) 884-3020

Ken Winston MD  
Professor  
University of Colorado Health Sciences Center  
Chief of Craniofacial Surgery  
The Children's Hospital  
Denver, CO  
(303) 861-6100

Michael Handler MD  
Associate Professor  
University of Colorado Health Sciences Center  
McMurry Seebaum Chair in Pediatric Neurosurgery  
The Children's Hospital  
Denver, CO  
(303) 861-6100