

# **CURRICULUM VITAE**

## **Ken R. Winston, M.D.**

Date of Birth	January 6, 1940
Place of Birth	Springfield, Tennessee
Marital Status	Married
Wife	Susan Huba Winston
Children	Helena Rose Winston Benjamin Aldred Winston
Home Address	24668 Foothills Drive North Golden, Colorado 80401
Office Address	The Children's Hospital 3123 East 16 <sup>th</sup> Avenue Aurora, Colorado 80045
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**HIGH SCHOOL**

1955 - 1957

Fulton High School  
Fulton, Kentucky

**UNDERGRADUATE EDUCATION**

1957-1960

Murray State University  
Murray, Kentucky

**MEDICAL EDUCATION**

1960-1963

University of Tennessee  
College of Medicine  
Memphis, Tennessee



## POSTGRADUATE EDUCATION

- |           |  |
|-----------|--|
| 1963-1964 | Intern in Internal Medicine<br>City of Memphis Hospitals (John Gaston Hospital)<br>Memphis, Tennessee                  |
| 1966-1967 | Resident in General Surgery<br>University of Colorado Medical Center<br>Denver, Colorado                               |
| 1967-1969 | Resident in Neurosurgery<br>University of Colorado Medical Center<br>Denver, Colorado                                  |
| 1969-1970 | Research and Teaching Assistant<br>Department of Anatomy,<br>University of Colorado Medical Center<br>Denver, Colorado |
| 1970-1971 | Chief Resident in Neurosurgery<br>University of Colorado Medical Center<br>Denver, Colorado                            |

## Academic Appointments

1971-1977	Instructor in Surgery (Neurosurgery) Harvard Medical School Boston, Massachusetts
1978-1988	Assistant Professor Surgery (Neurosurgery) Harvard Medical School Boston, Massachusetts
1988-1991	Associate Professor of Surgery (Neurosurgery) University of Colorado Denver, Colorado
1988-Present	Director of Pediatric Neurosurgery University of Colorado Health Sciences Center Denver, Colorado
1991-Present	Professor of Surgery (Neurosurgery) University of Colorado Health Sciences Center Denver, Colorado

## UNIFORMED SERVICE

1964-1965	Assistant Surgeon United States Public Health Service Neuropsychiatric Hospital for Narcotic Addiction Ft. Forth, Texas
1965	Senior Assistant Surgeon United States Public Health Service (Assigned to Coast & Geodetic Survey) Seattle, Washington and Gulf of Alaska
1965-1966	Senior Assistant Surgeon United States Public Health Service Out-patient Clinic San Pedro, California

## LICENSURE AND CERTIFICATION

1963	Tennessee State Board of Medical Examiners #4789 (Inactive)
1971	Massachusetts Board of Registration in Medicine #3367 (Inactive)
1973	American Board of Neurological Surgery
1978	Fellow of the American College of Surgeons
1987	State of Colorado Medical License #28533
1996	American Board of Pediatric Neurosurgery Recertified 2009

## HOSPITAL APPOINTMENTS

1971-1974	Assistant in Neurosurgery Children's Hospital Medical Center Boston, Massachusetts
1971-1979	Junior Associate in Surgery (Neurosurgery) Peter Bent Brigham Hospital Boston, Massachusetts
1972-1987	Consultant Neurosurgeon Veterans Administration Hospital West Roxbury, Massachusetts
1971-1981	Consultant Neurosurgeon Robert Breck Brigham Hospital* Boston, Massachusetts
1972-1982	Consultant in Neurosurgery Pondville State Hospital Walpole, Massachusetts

1972-1987	Consultant in Neurosurgery Massachusetts Hospital School Canton, Massachusetts
1974-1979	Associate in Neurosurgery Children's Hospital Medical Center Boston, Massachusetts
1976-1981	Consultant Neurosurgeon Boston Hospital for Women* Boston, Massachusetts
1979-1987	Senior Associate in Neurosurgery Children's Hospital Medical Center** Boston, Massachusetts
1979-1981	Associate in Surgery (Neurosurgery) Peter Bent Brigham Hospital* Boston, Massachusetts
1981-1987	Associate in Surgery (Neurosurgery) Brigham and Women's Hospital Boston, Massachusetts
1988-Present	Staff Neurosurgeon University of Colorado Health Sciences Center Denver, Colorado
1988-2004	Staff Neurosurgeon Denver Veterans Administration Hospital Denver, Colorado
1988-Present	Staff Neurosurgeon Denver Health and Hospitals Denver, Colorado

\* In 1981, these three hospitals joined to become Brigham and Women's Hospital.

\*\* In 1983, the Children's Hospital Medical Center became The Children's Hospital.



1988-1993 Staff Neurosurgeon (Civilian)  
Fitzsimons Army Medical Center  
Aurora, Colorado

1988-Present Active Staff Neurosurgeon  
The Children's Hospital  
Denver, Colorado

1988-1993 Staff Neurosurgeon  
Rose Medical Center  
Denver, Colorado

1989-2000 Staff Neurosurgeon  
St. Anthony-Central Hospital  
Denver, Colorado

1993 -1995 Medical Director  
Rocky Mountain Gamma Knife Center  
Denver, Colorado

1997 - 2005 Chief of Neurosurgery  
The Children's Hospital  
Denver, Colorado

1999 - 2008 Staff Neurosurgeon  
Presbyterian/St Luke's Medical Center  
Denver, Colorado

1999 Staff Neurosurgeon  
St Joseph Hospital  
Denver, Colorado

## HOSPITAL COMMITTEE MEMBERSHIPS

1972-1976	Equipment Standardization Committee Children's Hospital Medical Center Boston, Massachusetts
1974-1982	Medical Records Committee (Chairman 1980-82) Children's Hospital Medical Center Boston, Massachusetts
1979-1981	Quality Assurance Committee Children's Hospital Medical Center Boston, Massachusetts
1980-1981	Trauma Committee Brigham and Women's Hospital Boston, Massachusetts
1980-1985	Quality Assurance Committee Children's Hospital Boston, Massachusetts
1987	Oncology Committee Children's Hospital Boston, Massachusetts
1987	Neonatal Intensive Care Unit Committee Children's Hospital Boston, Massachusetts
1990-1997	Faculty Senate University of Colorado Health Sciences Center Denver, Colorado
1990-2001	Operating Room Committee The Children's Hospital Denver, Colorado
1991-2000	Quality Assurance Committee University of Colorado Health Sciences Center Denver, Colorado

1991-1992	Neurosurgery Advisory Committee The Children's Hospital Denver, Colorado
1993-Present	Shunt Infection Task Fore The Children's Hospital Denver, Colorado
1994-2004	Operating Room Committee The Children's Hospital Denver, Colorado

### **OTHER COMMITTEE MEMBERSHIPS**

1987-1988	IMAC Committee for Blue Cross/Blue Shield of Massachusetts
1990-Present	Board of Directors Professional Advisory Board Colorado Epilepsy Foundation
1993-1996	Executive Committee of Pediatric Section of the American Association of Neurological Surgeons
1996-1997	Search Committee for Chairman of Department of Physical Medicine and Rehabilitation University of Colorado Health Sciences Center
1998 - 1999	Trauma Executive Committee The Children's Hospital Denver, Colorado
2006	Search Committee for Chairman of Department of Neurosurgery University of Colorado Health Sciences Center
2004 – Present	Senior Advisory Board of <b>Pediatric Neurosurgery</b>



## MEMBERSHIPS IN PROFESSIONAL SOCIETIES

1972-Present	Congress of Neurological Surgeons
1972-1988	Suffolk County Medical Society
1977-1988	New England Neurosurgical Society
1973-Present	American Association of Neurological Surgeons (Harvey Cushing Society)
1978-Present	American College of Surgeons
1979-Present	Pediatric Section of American Association of Neurological Surgeons
1982-Present	Society for Research into Hydrocephalus and Spina Bifida
1988-Present	American Medical Association
1988-Present	Colorado Neurosurgical Society
1989-Present	Rocky Mountain Neurosurgical Society
1991-Present	Society of Neurological Surgeons
1992-Present	North American Skull Base Society
1993-1998	Technology Development and Training Committee of the Society of Neurological Surgeons
1995-1998	Academy of Pediatric Neurosurgery (Ceased to exist in 1998)
1999 – Present	International Society of Craniofacial Surgeons (Associate)

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. La Vail, JH, **Winston KR**, Tish A: A method based on retrograde intraaxonal transport of protein for identification of cell bodies of origin of axons terminating within the CNS. Brain Res 58:470-477, 1973.  
*Discussed by LaVail JH, in This Week's Science Citation Classic, Current Contents 28:19, 1983*
2. Divac I, La Vail JH, Rakic P, Winston, KR: Heterogeneous afferent to the inferior parietal lobule of the rhesus monkey revealed by the retrograde transport method. Brain Res 123:197-207, 1977.
3. Gilles FH, **Winston KR**, Fulchiero A, Leviton A: Histologic features and observational variations in cerebellar gliomas in children. J Natl Cancer Inst 58:175-181, 1977.
4. **Winston KR**, Gilles GH, Leviton A, Fulchiero A: Cerebellar gliomas in children. J Natl Cancer Inst 58:833-838, 1977.
5. Fulchiero A, **Winston KR**, Leviton A, Gilles FH: Secular trends of gliomas in children. J Natl Cancer Inst 58:839-843, 1977.
6. Arkins T, McLennon J, **Winston KR**, Suzuki Y: Acute posterior fossa epidural hematomas in children. Am J Dis Child 131:690-692, 1977.
7. Walsh JW, **Winston KR**, Smith T: Meningioma with subdural hematoma. Surg Neurol 8:293-295, 1977.
8. **Winston KR**, Hall J, Johnson D, Micheli L: Acute elevation of intracranial pressure following transection of non-functional spinal cord. Clinic Ortho Rel Res 28:41-44, 1977.
9. **Winston KR**, Mickle P, Schuster SR: Closure of large skin defect associated with thoracolumbar rachischisis. J Neurosurg 47:781-784, 1977.
10. **Winston KR**, Schuster SR, Mickle P: Management of large skin defects in newborn children with myelodysplasia: a new method. J Ped Surg 13:303-306, 1978.
11. **Winston KR**: Neurodiagnostic tests in children with brain tumors: changing patterns of use and impact on cost. Pediatrics 61:847-852, 1978.

12. Leviton A, Fulchiero A, Gilles FH, **Winston KR**: Survival status of children with cerebellar gliomas. J Neurosurg 48:19-33, 1978.
13. Gilles F, Winston K, Jasnow M, Levison A, Hedley-White T: Densely cellular cerebellar tumors in children. Trans Am Neuro Ass 103:265-268, 1978.
14. Winston, KR, Cavazzuti V, Arkins T: Absence of neurological and behavioral abnormalities after anterior transcallosal operation for third ventricular lesions. Neurosurgery 4:386-393, 1979.
15. **Winston KR**, Walsh JW, Fischer EG: Results of operative treatment of intracranial metastatic tumor. Cancer 45:2639-2645, 1980.
16. Cavazzuti V, **Winston KR**, Baker R, Welch K: Psychological changes following surgery for tumors in the temporal lobe. J Neurosurg 53:618-626, 1980.
17. Welch K, Shillito J, Strand R, Fischer EG, **Winston KR**: Chiari I "malformation" - an acquired disorder? J Neurosurg 55:604-609, 1981.
18. Fischer EG, Greene CS, **Winston KR**: Spinal epidural abscess in children. Neurosurg 9:257-260, 1981.
19. Winston K, Conner S: Successful evacuation of subdural hematoma in the presence of severe coagulopathy. Neurosurg 11:277-279, 1982.
20. Kuban K, Winston K, Bresnan M: Childhood subgaleal hematoma following minor head trauma. Am J Dis Child 137:637-640, 1983.
21. Winston K, Beatty RM, Fischer EG: Consequences of dural defects acquired in infancy. J Neurosurg 59:839-846, 1983.
22. Cavazutti V, Fischer EG, Welch K, Belli JA, **Winston KR**: Neurological and psychophysiological sequelae following different treatments of craniopharyngioma in children. J Neurosurg 59:409-417, 1983.
23. **Winston KR**: Hyperekplexia relieved by surgical decompression of cervico-medullary region. Neurosurg 13:708-710, 1983.
24. Lorenzo AV, **Winston KR**, Welch K, Adler JR, Granholm L: Evidence of prolactin receptors in the choroid plexus and a possible role in water balance in neonatal brain. Z Kinderchir 38 (Suppl 2):68-70, 1983.

25. Adler J, **Winston KR**: Chorea as a manifestation of epidural hematoma. J Neurosurg 60:856-857, 1984.
26. Li FP, **Winston KR**, Gimber K: Follow-up of children with brain tumors. Cancer 54:135-138, 1984.
27. Bauer S, Hallett M, Khoshbin S, Lebowitz R, Winston K, Gibson S, Colodny A and Retik A: Predictive value of urodynamic evaluation in newborns with myelodysplasia. JAMA 252:650-652, 1984.
28. Beatty RM, **Winston KR**: Spontaneous cervical epidural hematoma. J Neurosurg 61:143-148, 1984.
29. **Winston KR**, Rumbaugh C, Colucci V: The vertebral canals in lumbar disc disease. Spine 9:414-417, 1984.
30. Rich TA, Cassady JR, Strand RD, **Winston KR**: Radiation therapy for pineal and suprasellar germ cell tumors. Cancer 55:932-940, 1985.
31. Fischer EG, Welch K, Belli JA, Wallman J, Shillito JJ Jr, **Winston KR**, Cassady JR: Treatment of craniopharyngiomas in children: 1972-1981. J Neurosurg 62:496-501, 1985.
32. Adler JR, Upton J, Wallman J, **Winston KR**: Management and prevention of necrosis of the scalp after embolization and surgery for meningioma. Surg Neurol 25:357-360, 1986.
33. Lutz W, Winston K, Maleki N: A system for stereotactic radiosurgery with a linear accelerator and its performance evaluation. Med Phys 13:611, 1986.
34. Harris MM, Strafford MA, Rowe RW, Sanders SP, **Winston KR**, Rockoff MA: Venous air embolism and cardiac arrest during craniectomy in a supine infant. Anesthesiology 65:547-550, 1986.
35. **Winston KR**, Sotrel A, Schmitt SJ: Meningeal melanocytoma: A case report and review of the clinical and histological features. J Neurosurg 66:50-57, 1987.
36. Rimm IL, Li FC, Tarbell NJ, **Winston KR**, Sallan SE: Brain tumors after cranial irradiation for childhood acute lymphoblastic leukemia: A 13 year experience from the Dana-Farber Institute and The Children's Hospital. Cancer 59:1506-1508, 1987.

37. Spindel MR, Bauer SB, Dyro FM, Krarup C, Khoshbin S, **Winston KR**, Lebowitz RL, Colodny AH, Retik AB: The changing neurological lesion in myelodysplasia. JAMA 258:1630-3, 1987.
38. **Winston KR**: Craniopagi: Anatomic characteristics and classification. Neurosurgery 21:769-81, 1987.
39. **Winston KR**, Rockoff MA, Mulliken JB, Strand RD, Murray JE: Surgical division of craniopagi. Neurosurgery 21:782-91, 1987.
40. **Winston KR**: Whiplash and its relationship to migraine. Headache 27:452-7, 1987.
41. Lutz W, **Winston KR**, Maleki N: A system for stereotactic radiosurgery with a linear accelerator. Int J Radiation Oncology Biol Phys 14:373-381, 1988.
42. Ellenbogen EG, Goldmann DA, **Winston KR**: Group B Streptococcal infections of the central nervous system in infants with myelomeningocele. Surg Neurol 29:237-42, 1988.
43. Leclair JM, **Winston KR**, Sullivan BF, O'Connell JM, Harrington SM, Goldman DA: The effect of preoperative shampoos with chlorhexidine or iodophor on emergence of resident scalp flora in neurosurgery. Infection Control Hosp Epidemiol 9(1):8-12, 1988.
44. Loeffler JS, Kretschmar CS, Sallan SE, La Vally BL, **Winston KR**, Fischer EG, Tarbell NJ: Pre-radiation chemotherapy for infants and poor prognosis children with medulloblastoma. Int J Rad Onc Biol Phys 15:177-181, 1988.
45. **Winston KR**, Lutz W: The linear accelerator as a surgical tool for stereotactic radiosurgery. Neurosurg 22:454-64, 1988.
46. Zavala LM, Adler JR, Greene CS, **Winston KR**: Hydrocephalus and intraspinal tumor. Neurosurg 22:751-765, 1988.
47. Saunders WM, **Winston KR**, Siddon RL, Svensson GH, Kijewski PK, Rice RK, Hansen JL, Barth NH: Radiosurgery for arteriovenous malformations of the brain using a standard linear accelerator: rationale and technique. Int J Radiation Oncology Biol Phys 15:441-447, 1988.
48. Suojanen J, Wang A-M, **Winston KR**: Pantopaque mimicking spinal lipoma: MR pitfall. J Comput Assist Tomogr 12:346-348, 1988.



49. Greene CS, **Winston KR**: Treatment of scaphocephaly with sagittal craniectomy and biparietal morcellation. Neurosurg 23:196-202, 1988.
50. Leclair JM, **Winston KR**, Sullivan BF, O'Connell JM, Harrington SM and Goldman DA: Effect of preoperative shampoos on resident scalp flora. Today's OR Nurse 10:15-21, 1988.
51. Keating MA, Rink RC, Bauer SB, Krarup C, Dyro FM, **Winston KR**, Shillito J, Fischer EG, Retik AB: Neurological implications of the changing approach in management of occult spinal lesions. J Urol 140:1299-1301, 1988.
52. Adler JR Jr, **Winston KR**: Stereotaxic radiosurgery. Surgical Rounds 12:42-46, 1989.
53. Loeffler JS, Alexander E III, Siddon RI, Saunders WM, Coleman CN, **Winston KR**: Stereotactic radiosurgery for intracranial arteriovenous malformations using a standard linear accelerator. Int J Radiation Oncology Biol Phys 17:673-677, 1989.
54. Ellenbogen RG, **Winston KR**, Kupsky WJ: Tumors of the choroid plexus in children. Neurosurg 25:327-335, 1989.
55. Kleinschmidt-DeMasters BK, **Winston KR**, Rubinstein D: Ectopic pituitary adenoma of the third ventricle. J Neurosurg 72:139-143, 1989.
56. Fischer EG, Welch K, Shillito JR Jr, **Winston KR**, Tarbell NJ, Sallan S: Craniopharyngiomas in children: long-term effects of conservative surgical procedures combined with radiation therapy. J Neurosurg 73:534-540, 1990.
57. Brega K, Robinson WA, Winston K, Wittenberg W: Surgical treatment of brain metastases in malignant melanoma. Cancer 66:2105-10, 1990
58. Adler J, Erba G, **Winston KR**, Welch K, Lombroso CT: Results of surgery for extratemporal partial epilepsy that began in childhood. Archives of Neurology 48:133-140, 1991.
59. **Winston KR**, Breeze RE: Hydraulic regulation of brain parenchymal volume. Neurological Research 13:237-42, 1992.
60. **Winston KR**: Hair and neurosurgery. Neurosurgery 31:320-329, 1992.
61. **Winston KR**, Adler J, Erba G, and Welch K: Cerebral hemicorticectomy for epilepsy. J Neurosurg 77:889-895, 1992.

62. Erba G, **Winston KR**, Adler J, Welch K, Ziggler R, Hornig G: Temporal lobectomy for complex partial seizures that began in childhood. Surg Neurol 38:424-32, 1992.
63. Munro LG, Breeze RE, **Winston KR**, Kindt GW: Effect of bradykinins in cerebral autoregulation. Clinical Research 40:107A, 1992.
64. Munro LG, Breeze RE, **Winston KR**: MRI and specific gravity analysis of the role of bradykinins in vasogenic brain edema. Clinical Research 41, 1993.
65. Leighton SB, **Winston KR**: Cerebrospinal fluid pressure as a function of body position in dogs. Neurological Research 1994.
66. **Winston KR**, Ogilvy CS, McGrail K: Reduction cranioplasty. Pediatr Neurosurg 22:228-234, 1995.
67. Burke MJ, **Winston KR**, Williams S: Normal sutural fusion and the etiology of single sutural craniosynostosis: The microspicule hypothesis. Pediatr Neurosurg 22:241-247, 1995.
68. Prall JA, **Winston KR**, Brennan R: Spinal cord injuries in downhill skiers. J Trauma 39:1115-1118, 1995.
69. Prall JA, **Winston KR**, Brennan R: Snowboarder injuries: a review of 28 cases. Injury 26:539-542, 1995.
70. Duke BJ, Mouchantat RA, Ketch LL, **Winston KR**: Transcranial migration of microfixation plates and screws. Pediatr Neurosurg 25:31-35, 1996.
71. Duke BJ, Tyson RW, Freeman JE, **Winston KR**: *Balmuthia mandrillaris* meningoencephalitis presenting with acute hydrocephalus. Pediatr Neurosurg 26:107-111, 1997.
72. Hymel KP, Bandak FA, Partington MD, **Winston KR**: Abusive head trauma? A biomechanics-based approach. Child Maltreatment 3:116-128, 1998.
73. **Winston KR**: Dural tenting sutures in pediatric neurosurgery. Pediatr Neurosurg 28:230-235, 1998.
74. **Winston KR**: Efficacy of dural tenting sutures. J Neurosurg 91:180-184, 1999.
75. **Winston KR**, Wong MC: Cranial bone fixation in infants and children. Pediatr Neurosurg 31:225-230, 1999.

76. **Winston KR:** Pediatric Neurosurgery: pride and prejudice. Pediatr Neurosurg 35:58-68, 2000.
77. **Winston KR:** Resuscitation of a choking child in 1841. Pediatrics 106:A42, 2000.
78. **Winston KR,** Levisohn P, Miller BR, Freeman F: Vagal nerve stimulation for status epilepticus. Pediatr Neurosurg 34:190-192, 2001.
79. Madden JR, Fenton LZ, Weil M, **Winston KR,** Partington M, Foreman NK: Experience with tamoxifen/etoposide in the treatment of a child with myxopapillary ependymoma. Med Ped Oncology 37:67-69, 2001.
80. Wang MC, **Winston KR,** Breeze RE: Cerebellar mutism associated with a midbrain cavernous malformation. Case report and review of the literature. Neurosurgery 96:607-610, 2002.
81. Kruse CA, **Winston KR,** Foreman N, Warmath W, Lillehei KO: Alloreactive CTL for therapy of recurrent brain tumors [Abstract] Neuro-Oncology 3:260, 2001.
82. Read SB, Kulprathipanja NV, Gomez GG, Paul DB, **Winston KR,** Robbins JM, Kruse CA: Human alloreactive CTL interactions with gliomas and with those having upregulated HLA expression from exogenous IFN- $\gamma$  or IFN- $\gamma$  gene modification. J Interferon & Cytokine Research 23:379-393, 2003.
83. **Winston KR,** Wang MC: Cranial bone fixation: review of literature and description of technique. J Neurosurg 99:484-488, 2003.
84. McBride LA, Winston KW: Cystoventricular shunting of intracranial arachnoid cysts. Pediatr Neurosurg 39:322-328, 2003.
85. Letter to Neurosurgical Forum (response): Cranial bone fixation: review of literature and description of technique. Neurosurgery 100:1135, 2004.
86. Adler JR Jr, Colombo F, Heilbrun MP, Winston K: Toward an expanded view of radiosurgery. Neurosurgery 55:1374-1376, 2005.
87. **Winston KR:** Sticky sutures? [Letter to editor]. J Neurosurg 103(2 Suppl):203-204, 2005.
88. **Winston KR,** Lopez J, Freeman J: CSF shunt failure with stable normal ventricular size. Pediatr Neurosurg 42:151-155, 2006.

89. Graupman P, **Winston KR**: Nonaccidental head trauma as a cause of childhood death. J Neurosurg 104 (4 Suppl); 245-250, 2006.
90. Dowlati D, **Winston KR**, Ketch LL, Quinones R, Giller R, van Hove J, Frattini A: Expansion cranioplasty with jackscrew distracters for craniosynostosis and intracranial hypertension in transplanted osteopetrosis. Pediatr Neurosurg. 43:102-106, 2007.
91. Jorgenson L, Reiter PD, Freeman JE, **Winston KR**, Fish D, McBride LA, Handler MH: Vancomycin disposition and penetration into ventricular fluid of the central nervous system following intravenous therapy in patients with cerebrospinal devices. Pediatr Neurosurg 43:449-455, 2007.
92. Szentirmai O, **Winston KR**, Jedlicka P, Lum GM: Spontaneous intracerebral hemorrhage in a child with systemic hypertension and adrenal adenoma. Case report. J Neurosurg 107(4 Suppl):328-329, 2007.
93. **Winston KR**, McBride LA, Dudekula A: Bandages, dressings and cranial neurosurgery. J Neurosurg 106(6Suppl):450-454, 2007.
94. **Winston KR**, Kang J, Klienschmidt-DeMasters B: Hemispherectomy in a premature child with linear sebaceous nevus syndrome. Pediatr Neurosurg 44: 159-164, 2008.
95. **Winston KR**, Trinidad E, Wilkinson CC, and McBride LA: Cerebrospinal fluid shunt operations without cranial bandaging. J Neurosurg Pediatr 3:511-515, 2009.
96. Widdel L, **Winston KR**: Pus and free bone flaps. J Neurosurg Pediatr 4:378-382, 2009.
97. Spitz MC, **Winston KR**, Maa, EH, Ojemann S: Insulation discontinuity in vagus nerve stimulator lead: a treatable cause of intolerant stimulation-related symptoms. J Neurosurg 112:829-831, 2010.
98. **Winston KR**, Widdel L: Prognosis for children with asystole resulting from blunt head trauma. J Trauma 69:783-788, 2010.
99. **Winston KR**, Bhardwaj V: Reuse of ventricular drain sites for cerebrospinal fluid shunting in patients with no prior infection. J Neurosurg Pediatr 5:449-453, 2010.
100. **Winston KR**, Ketch LL, Dowlati D: Cranial vault expansion by distraction osteogenesis and review of literature. J Neurosurg Pediatr 7:351-361, 2011.

101. **Winston KR**, Dolan SA: Multidisciplinary approach to cerebrospinal fluid shunt infection with an appeal for attention to details in assessment and standardization in reporting. J Neurosurg Pediatr 7:452-461, 2011.
102. **Winston KR**: Neurosurgery and shaving: what's the evidence? (discussion). J Neurosurg 115: 669, 2011.
103. Wilkinson CC, Manchester DK, Keating RF, Ketch LL, **Winston KR**: Syndromic craniosynostosis, fibroblast growth factor receptor 2 (FGFR2) mutations, and sacrococcygeal eversion presenting as human tails. Child's Nervous System 28: 1221-1226, 2012.
104. **Winston KR**, Ho JT, Dolan SA: Recurrent cerebrospinal fluid shunt infection and the efficacy of reusing infected ventricular entry sites. [Submitted for publication]
105. **Winston KR**, Ketch LL: Comprehensive management of aplasia cutis congenita and review of literature. [Submitted for publication]
106. **Winston KR**, Freeman J: Breach of the posterior wall of the frontal sinus: management without exenteration. [In preparation].
107. **Winston KR**, Waller S: Late CSF shunt infection. [In preparation]
108. **Winston KR**, Bell S: Cerebrospinal fluid diversion in patients with benign intracranial hypertension. [In Preparation]
109. **Winston KR**, Beauchamp K, Ketch LL, Szentirmai O: Cosmetic advantages and functional considerations of sinusoidal coronal scalp incisions [In preparation]

## ENDOWED FELLOWSHIP

### Winston-Lutz Fellowship in Stereotactic Radiosurgery

Established in 1992 and awarded yearly at the Joint Center for Radiation Therapy, Harvard University, Boston, Massachusetts

#### Chapters in Books:

1. **Winston KR:** Central nervous system. In: Welch KI, ed. Complications in Pediatric Surgery. Philadelphia: WB Saunders, 1982 pp 99-114.
2. **Winston KR:** Myelodysplasia (spina bifida aperta). In: Gilles, SS and Kage BM, eds. Current Pediatric Therapy. Philadelphia: WB Saunders, 1982. pp 40-43.
3. **Winston KR:** Intracranial tumors in children. In: Farmer TW, ed. Pediatric Neurology, 3rd ed. Hagerstown and New York: Harper & Row, 1983. pp 549-572.
4. **Winston KR:** Craniosynostosis. In: Wilkins, RH and Rengachary, SS, eds. Neurosurgery. New York: McGraw-Hill, 1985. pp 2173-2191.
5. Welch K and Winston K: Spina bifida. In: Handbook of Clinical Neurology, Vol 6, Chapter 30. Amsterdam: Elsevier, 1987. pp 1-32.

6. Lorenzo AV, **Winston KR**, Adler J: The uptake by choroid plexus and passage into CSF of I-prolactin in preterm rabbits. In: Rakic LJ, Begley DJ, Davson H, Zlovovic BV (eds). Peptide and Amino Acid Transport Mechanisms in the Central Nervous System. New York: Stockton, 1988.
7. **Winston KR**, Burke MJ: Surgical repair of trigonocephaly. Neurosurgical Operative Atlas Vol. 2, No. 1, 1992. pp 1-8.
8. **Winston KR**: Craniosynostosis. In: Wilkins, RH and Rengachary, SS, eds. Neurosurgery, Second Edition. New York: McGraw-Hill, 1995. pp 3673-3692.
9. **Winston KR**, Arnholz D: Extracerebral fluid collections. In: Albright L, Pollack I and Adelson D, eds. Principles and Practice of Pediatric Neurosurgery. New York: Thieme, 1998. pp 261-269.
10. **Winston KR**: Surgery for tumor in the posterior cranial fossa. In: McLone D (ed). Pediatric Neurosurgery Fourth Edition. Philadelphia: WB Saunders, 2000. pp 844-854.
11. **Winston KR**: Subdural hematoma. In:
12. **Winston KR**: Epidural hematoma. In:

### Monographs / Pamphlets:

1. **Winston KR**, Irwin S and Isaacson-Rubinger MJ: **A Child with Myelodysplasia**. Boston: Children's Hospital Medical Center, 1977.

### Book Reviews:

1. **Winston KR**: Book Review. **Neurosurgical Syndromes of the Brain** by Charles W. Needham, pp 440, Charles C. Thomas, Publisher 1973. Arch Surg 08:253, 1974.
2. **Winston KR**: Book Review. **Basic Human Neuroanatomy: An Introductory Atlas** by Craig Watson, pp 120, Little, Brown & CO, Publisher 1983. Arch Surg 110:354, 1975.
3. **Winston KR**: Book Review. **Craniofacial Surgery for Craniosynostosis** by Daniel Marchac and Dominique Renier, pp 201, Little, Brown and Co, Publisher, 1982. New Eng J Med 308:1234, 1983.
4. **Winston KR**: Book Review. **Facial Clefts and Craniosynostosis: Principles and Management**, by Timothy A Turvey, Katherine W L Vig, Raymond J Fonseca (eds), 29:167, 1998.



## PAPERS PRESENTED

1. **Winston KR:** Treatment of brain abscess. Presented at the Congress of Neurological Surgeons, St. Louis, MO 1972.
2. Walsh J, **Winston KR** and Smith T: Meningioma presenting as subdural hematoma. Presented at New England Neurosurgical Society Meeting, Mystic, CT, October, 1974.
3. Winston, KR, Gilles FH and Leviton A: Gliomas of the cerebellum. Presented at Rocky Mountain Neurosurgical Society Meeting, Cozumel, Mexico, June, 1975.
4. **Winston KR:** Congenital anomalies of the nervous system. Presented at the Rocky Mountain Neurosurgical Society Meeting, Cozumel, Mexico, June 1975.
5. **Winston KR:** Septo-hippocampal interconnections in the rat. Presented at the Rocky Mountain Neurosurgical Society Meeting, Cozumel, Mexico, June 1975.
6. **Winston KR:** Glial tumors of the cerebellum. Presented at the Harvard Postgraduate Course in Neurosurgery, 1976.
7. **Winston KR:** Gliomas of the cerebellum. Presented at the Congress of Neurological Surgeons, Miami, FL, 1977.
8. **Winston KR:** Management of large skin defects in newborn children with myelodysplasia: A new method. Presented at American Academy of Pediatric Surgery, New York, NY, 1977.
9. **Winston KR:** Late neurological complications of myelodysplasia. Presented at the Harvard Postgraduate Course in Neurosurgery, 1978.
10. **Winston KR:** Tumors of the brain in children. Presented at the Harvard Postgraduate Course in Pediatric Neurology, 1978.
11. **Winston KR:** Hydrocephalus and diarrhea. Presented at the New England Neurosurgical Society, Dedham, MA, 1979.
12. **Winston KR:** Diarrhea in children with hydrocephalus: Relief by diversion of cerebrospinal fluid. Presented at the Pediatric Section of the American Association of Neurosurgical Surgery, New York, NY, 1979.

13. **Winston KR:** Craniofacial surgery and the neurosurgeon - results of extended craniectomy. Presented at American College of Surgeons, Atlanta, GA, 1980.
14. **Winston KR:** How to insert a shunt. Presented at the Harvard Postgraduate Course in Neurosurgery, 1980.
15. **Winston KR:** Surgical repair of myelomeningocele. Presented at the Harvard Postgraduate Course in Neurosurgery, 1981.
16. **Winston KR:** Myelodysplasia: the results of treatment and the price to the patient. Presented at the Harvard Post-graduate Course in Neurosurgery, 1982.
17. **Winston KR, Cavazzuti V, Fischer EG, Welch K:** Neuropsychological effects of two modes of treatment of craniopharyngioma in children. Presented at the Pediatric Section of the American Association of Neurological Society, San Francisco, CA, 1982.
18. **Winston K, Lorenzo AV, Welch K, Adler J, Granholm L:** Prolactin in maternal and fetal tissues of the lagomorph in relation to fluid metabolism of the brain. Presented in poster form at the American Association of Neurological Surgeons, Washington, DC, 1983.
19. **Winston KR:** How to repair a myelomeningocele. Presented at the Harvard Postgraduate Course in Neurology, 1983.
20. **Winston KR:** Myelodysplasia, the price paid and the result. SACOW lecture in Pediatric Neurosurgery, Tel Aviv, Israel, 1983.
21. **Winston KR:** Spina bifida from birth through adolescence. Presented at the Massachusetts Chapter of American Academy of Pediatrics, Lakeville, MA, 1984.
22. **Winston, KR:** Stereotactic radiosurgery with a linear accelerator. Presented to the New England Neurological Society, Dedham, MA, 1986.
23. **Winston KR:** Stereotactic radiosurgery with a linear accelerator. Presented to the Stereotactic Surgery Course, Aspen, CO, 1986.

24. **Winston KR** (Instructor in Course): Stereotactic surgery with BRW system. Instructor in course on stereotaxis, Congress of Neurological Surgery, New Orleans, LA, 1986.
25. **Winston KR**: Stereotactic radiosurgery on a linear accelerator. Guest lecturer at quarterly symposium on Radiation Oncology, Department of Medicine, Division of Radiation Oncology, Allegheny General Hospital, Pittsburgh, PA, 1987.
26. **Winston KR**: Stereotactic radiosurgery with a linear accelerator. Presented at the American Association for Stereotactic and Functional Neurosurgery, Montreal, Canada, 1987.
27. **Winston KR**: Stereotactic radiosurgery with linear accelerator. Presented at Neurosurgery in the Rockies Conference, Vail, CO, 1988.
28. **Winston KR**: Seminar on specialized aspects of radiotherapy for brain tumors. Presented at American Association of Neurological Surgeons, Toronto, Canada, 1988.
29. **Winston KR**: Stereotactic radiosurgery using the linear accelerator. Invited Lecturer: Society of Neurological Surgeons, Columbus, Ohio, 1988.
30. **Winston KR** (Instructor in Course): Rationale, techniques and results of radiosurgery with BRW system. Presented at the University of Utah course in stereotaxis, Park City, Utah, 1988.
31. **Winston KR**: The gamma knife and stereotactic radiotherapy. Leader of panel discussion and speaker at seminar of the Congress of Neurological Surgeons, Seattle, WA, 1988.
32. **Winston KR**, Visiting Professor: Stereotactic radiosurgery with the linear accelerator. Department of Neurosurgery, University of Tennessee, Memphis, TN, 1988.
32. **Winston KR**: Diagnosis and treatment issues in craniosynostosis. Presented at Jefferson County Health Department, Lakewood, CO, 1988.

34. **Winston KR:** Stereotactic radiosurgery. Guest speaker at the winter meeting of the Chicago Neurological Society, Chicago, IL, 1989.
35. **Winston KR:** Stereotactic methods in tumor management. Presented at the American Association of Neurological Surgeons (Breakfast Seminar), Washington, DC, 1989.
36. **Winston KR:** Principles and practice of radiosurgical therapy for central nervous system neoplasms and AVM's. Presented at American Association of Neurological Surgeons (Breakfast Seminar), Washington, DC, 1989.
37. **Winston KR:** Surgery for seizures that began in childhood. Presented at The Rocky Mountain Neurosurgical Society, Durango, CO, 1989.
38. **Winston KR:** A system for stereotactic radiosurgery using the linear accelerator. Presented at the Western Neurosurgical Society, Sun Valley, Idaho, 1989.
39. **Winston KR:** The Boston Linear Accelerator Experience; Radiosurgical Treatment Planning (Panel member); Radiation Tolerance of Vital Cerebral Structures (Panel member). Presented at the International Symposium on Stereotactic Radiosurgery, Miami, FL, November 30, 1989.
39. **Winston KR:** Epilepsy and surgery: Are you a candidate? Presented at the fourth annual education symposium by the Epilepsy Foundation of Colorado, Englewood, CO, 1990.
40. Burke MJ, **Winston KR:** Histochemical analysis of calvarial sutures: new insights on skull growth and the etiology of craniosynostosis. Pediatric Section of American Association of Neurological Surgery, San Diego, December 3, 1990.
41. Burke MJ, **Winston KR:** Congenital choroid plexus papillomas: Diagnosis and management of two unusual cases. Pediatric Section of American Association of Neurological Surgery, San Diego, December 7, 1990.
40. Breeze RE, **Winston KR**, Munro L and Kindt, GW: The effects of a bradykinin antagonist on ischemic brain injury in the gerbil. Western Neurological Society. Mauna Lani Bay, Hawaii, 9-12 September 1990.

42. Burke MJ, **Winston KR**, Ketch LL: The microspicule hypothesis of single suture craniosynostosis. Presented at International Society of Craniomaxillofacial Surgeons, Santiago de Compostela, Spain, 1991.
42. **Winston KR**: Hair and neurosurgery. Presented at annual meeting of American Society of Pediatric Neurosurgeons, St. Thomas, U.S. Virgin Islands, 1993.
43. **Winston KR**: Cancer and children, guest speaker at "In Conquest for Cancer" lecture program at the University of Colorado Health Sciences Center, Denver, CO, 1993.
44. **Winston KR**: New Technology: The Gamma Knife, guest speaker at "Brain Tumors: Team up For Triumph" seminar, Lakewood, CO, 1993.
45. Kleinschmidt-DeMasters BK, Franklin WA, Conway DR, Gaub, Rochette-Egly C, **Winston KR**, Lillehei KO, Kruse CA: Neural Cell Adhesion Molecule and Retinoic Acid Receptor Expression in Normal Brain and in Pituitary Adenomas. (Poster #1194), American Assoc of Neurol Surgeons, Boston, MA, 1993
46. **Winston KR**: Reduction Cranioplasty. Presented at annual meeting of American Society of Pediatric Neurosurgery, Nevis 1994.
47. **Winston KR**: Comparison of Stereotactic Linac & Gamma Knife. Presented at Joint International Congress on Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, PA, June 19, 1995.
48. **Winston KR**: The efficacy of dural tenting sutures. Presented at annual meeting of American Society of Pediatric Neurosurgery, Hawaii 1998.
49. **Winston KR**: Dural tenting sutures. Presented at Rocky Mountain Neurosurgical Conference, Vail, CO, February 1998.
50. **Winston KR**: Cranial bone fixation (all ages). Presented at Rocky Mountain Neurosurgical Conference, Vail, CO, March 2, 1999.
51. **Winston KR**: Question and Answer Session for Parents of Children with Hydrocephalus. Hydrocephalus Seminar. Presented at The Children's Hospital, Denver, Colorado April 24, 1999.

52. **Winston KR:** Shunt technology and adjustable valves. Presented to Hydrocephalus Information Network Seminar, The Children's Hospital, Denver, February 19, 2000.
53. **Winston KR:** History of the development of the linear accelerator as a neurosurgical tool for radiosurgery. Society of Neurological Surgery, Colorado Springs, Colorado, May 2000.
54. **Winston KR:** Autoregulation of brain parenchymal volume. Presented to Neurosurgical Search Committee, UCHSC Auditorium, April 12, 2000.
55. **Winston KR:** Reuse of ventricular drain sites for cerebrospinal fluid shunting in patients with no prior infections. Neurosurgery in the Rockies, Beaver Creek, Colorado, March 1, 2010.

## TEACHING EXPERIENCE

- 1971-84      Attending Neurosurgeon  
Brigham & Women's Hospital, Boston, MA
- 1971-84      Attending Neurosurgeon  
The Children's Hospital, Boston, MA
- 1971-84      Participant in Introduction to Clinical Medicine course  
Harvard Medical School.
- 1971-87      Supervision and instruction of neurosurgical residents  
(Jan, May & Sept. of each year; other times on irregular basis)  
The Children's Hospital and Brigham & Women's Hospital, Boston, MA.
- 1972          Lecturer in Harvard Postgraduate Child Neurology Course  
Children's Hospital Medical Center,  
Massachusetts General Hospital.
- 1974          Laboratory instructor in neuroanatomy course,  
Harvard Medical School.
- 1975-76      Member of doctoral thesis committee for Steven B. Leighton  
Biomedical Engineering  
Massachusetts Institute of Technology.
- 1975-86      Lecturer in Neurosurgical Postgraduate course,  
Harvard Medical School.
- 1982-84      Laboratory instructor in Basic Human Neuroanatomy course,  
Harvard Medical School.
- 1982-87      Co-organizer and supervisor of weekly conference for neurosurgical residents.
- 1983-87      Lecturer for core clerkship for medical students, Department of Surgery, Brigham  
& Women's Hospital, Boston, MA

- 1988-2008 Director of Pediatric Neurosurgery, University of Colorado Health Sciences Center.
- 1988-Present Instruction of neurosurgical residents, and medical students, University of Colorado Health Sciences Center and The Children's Hospital
- 1994-1999 Organizer and supervisor of Pediatric Neurosurgical Forum at TCH (monthly teaching conference)
- 2002-2008 Director of Pediatric Neurosurgery Fellowship Training at TCH and The University of Colorado Medical Center

### **SEMINARS ORGANIZED / CONDUCTED**

1. Craniosynostosis (Organized and conducted jointly by Ken R. Winston, M.D. and Larry Ketch, M.D.), Vail, CO, 1990.
2. Hydrocephalus [seminar for parents and nurses] (Organized and conducted jointly by Ken R. Winston, M.D. and Michael D. Partington, M.D.), Denver, CO, 1995.