

Michael H. Handler M.D., C.V.

Curriculum Vitae

MICHAEL HILLEL HANDLER M.D., F.A.C.S., F.A.A.P.

McMurry Seebaum Chair in Pediatric Neurosurgery
Chief of Pediatric Neurosurgery, Children's Hospital Colorado
Associate Surgeon-in-Chief, Children's Hospital Colorado
Professor, Department of Neurosurgery, University of Colorado School of Medicine

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Education:

B.A., Columbia University, New York, NY	1974
M.D., University of Pittsburgh School of Medicine	1979
General Surgery Intern, New York University	7/79 - 6/80
Neurology Resident, SUNY Downstate Medical Center	7/80 - 6/81
Neurosurgical Resident, New York University	7/81 - 12/86
Fellow, Pediatric Neurosurgery, New York University	8/93 - 6/94

Academic Appointments:

Clinical Assistant Professor, Department of Neurosurgery, New York University School of Medicine, 1988-1994
Clinical Assistant, Department of Surgery/Division of Neurosurgery, University of Medicine and Dentistry, New Brunswick, NJ, 1990-1993
Clinical Assistant Professor, Department of Surgery/ Division of Neurosurgery, University of Colorado School of Medicine, 1996-2000
Assistant Professor, Department of Neurosurgery, University of Colorado School of Medicine, 2000-01
Associate Professor, Department of Neurosurgery, University of Colorado School of Medicine 2002-2011
Acting Chairman, Department of Neurosurgery, University of Colorado School of Medicine, Dec. 2002-Feb 2003
Interim Surgeon-in-Chief, Children's Hospital Colorado, 5/2011-10/2011

Attending Neurosurgeon:

Children's Hospital Colorado, Aurora, CO
University Hospital, Aurora, CO
Exempla/St. Joseph Hospital, Denver
Denver Health Medical Center, Denver

Clinical Practice Information:

Private Practice, 1987 to 1993
Partner, Neurosurgical Associates of Central New Jersey
1303 Route 27
Somerset, N.J. 08873
Attending Neurosurgeon at:
Robert Wood Johnson University Hospital, New Brunswick, NJ
St. Peter's Medical Center, New Brunswick, NJ

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The Medical Center at Princeton, Princeton, NJ
Somerset Medical Center, Somerville, NJ

Private Practice, 1994-1996
Pediatric Neurosurgery P.C.
Suite 605 Tammen Hall at The Children's Hospital
1010 East 19th Ave.
Denver, Colorado 80218

Private Practice, 1996-2000
Rocky Mountain Pediatric Neurosurgery P.C.
Suite 605 Tammen Hall at The Children's Hospital
1010 East 19th Ave.
Denver, Colorado 80218

Department of Neurosurgery
University of Colorado School of Medicine
2000-present

Honors and Awards:

Citation by "Best Doctors in America" yearly 1998-present
Citation by "Guide to America's Best Physicians/Surgeons" yearly 2001-present
Outstanding Instructor, UCHSC School of Medicine Class of 2003
AOA guest lecture 2004
Resolution of Board of Directors of The Children's Hospital, Denver, February 12th, 2004, "In Recognition of Service to the Institution"
Best Doctor, 5280 Magazine survey, 2008, 2012
Pillar Award, Children's Hospital Colorado, June 27, 2012
"Five Star Award," (Among Top Performing Pediatric specialists, nationally), Professional Research Consultants Inc., 2014

Professional Organizations:

American Association of Neurological Surgeons 1989
Congress of Neurological Surgeons 1990
Society of Neurological Surgeons 2014
Joint Pediatric Section of the AANS and CNS 1991
At-Large Member, Board of Directors 2008-2010
American Epilepsy Society 1996
Fellow, American College of Surgeons 1996
Fellow, American Academy of Pediatrics 1997
American Society of Pediatric Neurosurgeons 1998
American Academy of Neurology 1982
American Medical Association
Colorado Neurosurgical Society 1994
Secretary, 2004-06
Vice President 2006-08
President, 2008-2010
Rocky Mountain Neurosurgical Society 1996
Colorado Medical Society

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State Licensure:

Colorado	October 14, 1993
Montana	April 21, 2011 (Telemedicine)
New Jersey	November 5, 1986 (Inactive)
New York	November 5, 1984 (Inactive)

Board Certification:

Diplomate, American Board of Pediatric Neurological Surgery	1998, Recertified 2009
Diplomate, American Board of Neurological Surgery	1989
Primary Exam, American Board of Neurological Surgery	1983
Diplomate, National Board of Medical Examiners	1980

Intramural Hospital Committees:

Intensive Care Committee, The Medical Center at Princeton, Princeton, NJ, 1988-1993
Intensive Care Committee, St. Peter's Medical Center, New Brunswick, NJ, 1989-1993
Medical Records Committee, Robert Wood Johnson University Hospital, New Brunswick, NJ, 1990-1993
Professional Review Team, The Children's Hospital, Denver, 1995-2000, 2004-present
Medical Board, The Children's Hospital, Denver, 1995-2006
 President-Elect of the Medical Board, The Children's Hospital, Denver, 2000-2002
 President of the Medical Board, The Children's Hospital, Denver, 2002-2004
 Immediate Past-President of the Medical Board, The Children's Hospital, Denver, 2004-2006
Executive Committee of the Medical Board, The Children's Hospital, Denver, 1996-2006
Credentials Committee of the Medical Board, The Children's Hospital, Denver, 2000-2004
Professional Affairs Committee of the Board of Directors, The Children's Hospital, Denver, 2000-2004
Search Committee for Chair of Anesthesiology, The Children's Hospital, Denver, 2001
Board of Directors, Children's Hospital Foundation Research Institute, Denver, 2002-2008
Board of Directors, The Children's Hospital, Denver, 2002-2004

Operations Committee, "Virtual Surgery Department," The Children's Hospital, 2007-2009

Extramural Committees:

High Grade Glioma Committee, Children's Oncology Group, 2000-present
Ependymoma Committee, Children's Oncology Group, 2001-present
COG-ADVL0011 Study Committee, Children's Oncology Group, 2000-present
COG-ACNS0121 Study Committee, Children's Oncology Group, 2003-present
COG-ACNS0334 Study Committee, Children's Oncology Group, 2004-present
COG-ANBL0531 Study Committee, Children's Oncology Group, 2005
Judicial Medical Ethics Committee, Middlesex County Medical Society, Middlesex County, NJ, 1990-1993

International Committees:

Executive Board of the International Society for Pediatric Neurosurgery, 2013-present

National Committees:

Member-at-Large, Executive Committee of the AANS /CNS Joint Section on Pediatric Neurological Surgery, 2008-2010

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Meeting Chairman, 35th Annual Meeting of the AANS/CNS Joint Section on Pediatric Neurological Surgery, November 28-December 1, 2006, Denver CO

Council of State Neurosurgical Societies, 2002-2008

Neurosurgical Coordinator, American Academy of Pediatrics District VIII, 2001-present

University/Medical School Activities:

Chair, Search Committee, Pediatric Neuro-oncologist 2007

Search Committee, Chair of Pediatric Neurology, 2006-2007

Search Committee, Chair of Pediatric Hematology/Oncology, 2006-2007

Member, Contracting Committee, University Physicians, Inc., Denver, 2007-2010

Dean's Task Force on Professionalism, UCHSC, Denver, 2003-2004

Revenue Flow and Incentives Committee, University Physicians Inc., Denver, 2001

Board of Directors, Pediatric Physicians and Surgeons Network of *KidSmart*, The Children's Hospital, Denver, 1996-2000

Editorial Position:

Ad hoc reviewer, *Pediatric Neurosurgery*, 1999-1004

Ad hoc reviewer, *Neurosurgery*, 2008-present

Invited Extramural Lectures

1. "Arnold Chiari Malformation, Tethered Cord, and Syringomyelia," at the Meeting of the Spina Bifida Association of Central New Jersey, March 1991

2. "Technical Innovations in Brain Tumor Surgery," at *Team up for Triumph: Patient and Family Brain Tumor Conference for the Rocky Mountain Region*. Renaissance Denver Hotel, 17-18 October, 1997.

3. "Technical Innovations in Pediatric Neurosurgery," at *Born Too Soon: The Pediatric Cutting Edge*. Sponsored by the Hospital for Infants and Children at Presbyterian/St. Lukes Medical Center. Inverness Hotel, Englewood, CO, 18 April 1998.

4. "Neurosurgery Update: Arnold Chiari Malformation, Tethered cord, and Syringomyelia," at *Colorado Spina Bifida Association Annual Conference*. The Children's Hospital, Denver, CO, 25 September 1999.

5. "Neurosurgical Management of Spasticity in the Pediatric Patient," at *Advances in the Management of Spasticity of Cerebral Origin*. Sponsored by the Medtronic Corporation. The St. Regis Hotel, Aspen, CO, 29 - 30 October, 1999.

6 "Aggressive Endoscopic Management of Primary Intracranial Cysts," at the *International Pediatric Encounter*, Havana, Cuba 26-28 November, 2000.

7. "Technology and Change in Pediatric Neurosurgery," at the *International Pediatric Encounter*, Havana, Cuba 26- 28 November, 2000.

8. "Pediatric Trauma," at the *International Pediatric Encounter*, Havana, Cuba 26-28 November, 2000.

9. "Surgical Complications of the Intrathecal Baclofen Pump," at *Spasticity Management: A Multidisciplinary Approach*. Sponsored by the Medtronic Corporation. Hotel Del Coronado, Coronado CA 19-20 January, 2001.

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10. "Surgical Technique for Intrathecal Baclofen Therapy," at *Spasticity Management: A Multidisciplinary Approach*. Sponsored by the Medtronic Corporation. Hotel Del Coronado, Coronado CA, 19-20 January, 2001.
11. "Surgical Management of Spasticity," at *Spasticity Management: A Multidisciplinary Approach*. Sponsored by the Medtronic Corporation. Hotel Del Coronado, Coronado CA, 19-20 January, 2001.
12. "Cerebrovascular Diseases of Infancy: Neurosurgical Aspects," at *XXIV [Cuban] National Congress of Pediatrics*, Havana Cuba, 11-15 June, 2001
13. "Surgical Options in the Management of Pediatric Epilepsy," at *XXIV [Cuban] National Congress of Pediatrics*, Havana Cuba, 11-15 June, 2001
14. "Late issues in Spina Bifida." Fifth Annual Statewide conference of the Colorado Spina Bifida Association, The Children's Hospital, Denver, 28 September 2002.
15. "Pediatric Head Trauma Update," Boulder Community Hospital, 23 June 2005
16. "Pediatric Traumatic Brain Injury Update," Exempla Lutheran Medical Center, 8 November 2005
17. "Less Aggressive Surgical Options in Pediatric Brain Tumors," Luncheon Seminar, Congress of Neurological Surgeons 55th Annual Meeting, Boston, 11 October 2005.
18. "How I do it—Hemispherectomy" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-4, 2009
19. "How I do it—Benign spine tumor" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
20. "How I do it—Post hemorrhagic hydrocephalus" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
21. "How I do it—Chiari I malformation" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
23. "How I do it—Myelomeningocele" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
24. "How I do it—Infratentorial supracerebellar approach" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
25. "How I do it—hypothalamic/chiasmatal tumors," *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
26. "How I do it—Lesionectomy in epilepsy" *Second ISPN Cuban Course on Pediatric Neurosurgery*, Havana, Cuba Feb 12-14, 2009
27. "When less aggressive surgery is better in pediatric brain tumors," Luncheon Seminar, Congress of Neurological Surgeons 59th Annual Meeting, New Orleans, 28 October 2009.
28. "We should stereotactically biopsy all diffuse pontine gliomas," [Oral] **Handler MH**, Foreman NB. DIPG Think Tank Meeting, Toronto, 26-27 February 2010.

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29. "Ependymoma and Medulloblastoma: Role of the Neurosurgeon," Luncheon Seminar, Congress of Neurological Surgeons 60th Annual Meeting, New Orleans, 20 October 2010.
30. "Management of diffuse intrinsic pontine gliomas: results of a practice survey," **Handler MH**, Foreman NK, 34th Annual Meeting of the American Society of Pediatric Neurosurgeons, Lanai, Hawaii, January 2011.
31. "Supratentorial Glial Tumors: Management Update," Luncheon Seminar, Congress of Neurological Surgeons 61st Annual Meeting, Washington D.C., 5 October 2011.
32. "Diffuse Pontine Glioma Management: Results of a Practice Survey," Diffuse Intrinsic Pontine Glioma Consensus Conference, National Institutes of Health, Bethesda MD, 6-7 October 2011.
33. "Prenatal Closure Should Be Standard in Management of Myelomeningocele." Debate. Meeting of the Joint Section on Pediatric Neurological Surgery of the AANS and CNS, Austin, TX, December 2011.
34. "Insular Epilepsy Resections," **Handler MH**, Laoprasert P, O'Neill B. Pediatric Epilepsy Surgery Symposium, Gothenberg, Sweden, 4-5 July, 2014.
35. "Decompressive Craniectomy in Children" Western Pediatric Trauma Conference 2015, Park City Utah, 15-17 July, 2015.
36. "Cervical Spine Clearance in the Obtunded Child." Debate. Western Pediatric Trauma Conference 2015, Park City Utah, 15-17 July, 2015.

Invited Intramural Lectures:

1. "Hydrocephalus: Now and Tomorrow," at meeting of the Hydrocephalus Association of Colorado. The Children's Hospital, 15 February 1997.
2. "Neurosurgical Options in Pediatric Spasticity," at *Pediatric Spasticity: Tone Management Techniques*. The Children's Hospital, 15 March 1997.
3. "Neurosurgery for Spasticity" at *Pills, Pokes, Plasters & Pumps: Spasticity Management Update*, The Children's Hospital, Denver CO 6 May 2000.
4. "Office Evaluation of the Child with a CSF Shunt," at *Surgical Dilemmas Conference*, The Children's Hospital, Denver, 22 September 2000.
5. "Closed Head Injury," at *Pediatric Trauma Conference 2001*, The Children's Hospital, Denver, 11 December 2001.
6. "Pediatric Trauma Case Presentation," at *Pediatric Trauma Conference 2002*, The Children's Hospital, Denver, 10 December 2002.
7. "Introduction to Neurosurgery," at Surgery Club, UCHSC School of Medicine, 7 May 2003.
8. "Reflections on Professionalism," at Induction Ceremony, AOA Medical Honor Society, Denver, 25 May 2004.
9. "Neurosurgical Management of Intracranial Pressure," *The Cutting Edge—Surgical Nursing Care*, The Children's Hospital, Denver 26 January 2007.

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10. "Epilepsy Surgery," Presentation to the Board of Directors, The Children's Hospital, 23 June 2010

Teaching Record:

Departmental positions:

Director, Neurosurgery Residency, UCHSC, Denver, Dec. 2002-Feb. 2003

Deputy Director, Neurosurgery Residency, UCHSC, Denver, May-Nov. 2002

Medical Student Clerkship Director, Department of Neurosurgery, UCHSC, Denver, 2001-2010

Foundations in Doctoring Mentor 2002-2008

Program Director, Pediatric Neurosurgery Fellowship, 2008-present

Faculty/Resident Teaching Conferences:

1. "Diagnosis and Management of Spinal Cord Injury," Surgical Resident Teaching Conference, UMDNJ, New Brunswick, NJ, September 1987

2. "Management of Head Trauma," Surgical Resident Teaching Conference, UMDNJ, New Brunswick, NJ, November 1987

3. "Hydrocephalus," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, January, 1989

4. "Management of Basilar Skull fractures," Neurosurgery Grand Rounds, UMDNJ, New Brunswick, NJ, June, 1989

5. "Spina Bifida," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, March, 1990

6. "Tethered Spinal Cord," Joint Neurosurgery/Orthopedic Surgery Spine Conference, UMDNJ, New Brunswick, NJ, 23 May 1990.

7. "Carotid Artery Dissection," Medical Grand Rounds, The Medical Center at Princeton, Princeton, NJ, October, 1990

8. "Surgical Management of Brain Tumors," Medical Grand Rounds, The Medical Center at Princeton, Princeton, NJ, November 1990

9. "Hydrocephalus," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, May, 1991

10. "Management of Spontaneous Intracerebral Hemorrhage," Medical Grand Rounds, The Medical Center at Princeton, Princeton, NJ, June 1991

11. "Neurosurgical Implications of Achondroplasia," Pediatric Resident Teaching Conference, UMDNJ, August 1991

12. "Subarachnoid Hemorrhage—Diagnosis and Management," Medical Grand Rounds, The Medical Center at Princeton, Princeton, NJ, June 1992

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13. "Tethered Spinal Cord," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, November 1992
14. "Spina Bifida," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, November 1992
15. "Hydrocephalus," Pediatric Resident Teaching Conference, UMDNJ, New Brunswick, NJ, February, 1993
16. "Ventriculo-subgaleal Shunts for Hydrocephalus in Small Premature Infants," City-Wide Fetal Board, P/SL Medical Center, Denver, September, 1995
17. "Ventriculo-subgaleal Shunts for Hydrocephalus in Small Premature Infants," Neonatology Teaching Conference, The Children's Hospital, Denver, April, 1996
18. "Craniosynostosis," Pediatric Teaching Conference, Porter Hospital, Denver, November, 1996
19. "Craniosynostosis," Pediatric Resident Teaching Conference, Denver Health Medical Center, Denver, 1997
20. "Craniosynostosis," Pediatric Resident Teaching Conference, The Children's Hospital, Denver, 1997
21. "Ventriculo-subgaleal Shunts for Hydrocephalus in Small Premature Infants," Neurosurgery Grand Rounds, The Children's Hospital, Denver, July, 1997
22. "Spina Bifida," Pediatric Resident Teaching Conference, The Children's Hospital, Denver, 9 September 1998
23. "Tethered Spinal Cord," Pediatric Resident Teaching Conference, The Children's Hospital, Denver, 26 April 1999
24. "Tethered Spinal Cord," Pediatric Resident Teaching Conference, Denver Health Medical Center, Denver, 12 May 1999
25. "Tethered Spinal Cord," Pediatric Teaching Conference, P/SL Medical Center, Denver, November 1999
26. "Tethered Spinal Cord," Neurosurgery Resident Teaching Conference, June 2001
27. "Spina Bifida," Perinatal Teaching Conference, Exempla/St. Joseph Hospital, 24 September 2001
28. "Third Ventricular Tumors: Issues and options in management." Neurology/Neurosurgery Grand Rounds, UCHSC, 27 February 2002
29. "Tethered Spinal Cord," Pediatric Resident Teaching Conference, The Children's Hospital, Denver, 25 March 2003
30. "Timing of Surgical Intervention in Post-Hemorrhagic Hydrocephalus," Neonatology Conference, The Children's Hospital, Denver, 15 May 2003.
31. "Pediatric Hydrocephalus," Pediatric Resident Teaching Conference, The Children's Hospital, Denver, 17 March 2005.
32. "The Child with an Abnormally Shaped Head," Pediatric Office Update, The Children's Hospital, 7 April 2005.
33. "Spina Bifida," Pediatric Resident Teaching Conference, the Children's Hospital, Denver, 8 June 2005

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34. "Tethered Spinal Cord," Neurosurgery Resident Teaching Conference, Department of Neurosurgery UCDHSC, 17 January 2006.
35. "Management of Shunted Patients, and Neuroendoscopy," Neurosurgery Resident Teaching Conference, Department of Neurosurgery UCDHSC, 7 February 2006.
36. "Pediatric Brain Tumors, Part 1," Neurosurgery Resident Teaching Conference, Department of Neurosurgery UCDHSC, 7 March 2006.
37. "Management of Shunted Patients, and Neuroendoscopy," Pediatric Neurology Teaching Conference, The Children's Hospital, Denver, 14 April 2006.
38. "Pediatric Brain Tumors, Part 2," Neurosurgery Resident Teaching Conference, Department of Neurosurgery UCDHSC, 18 April 2006
39. "Pediatric Brain Tumors, Part 3," Neurosurgery Resident Teaching Conference, Department of Neurosurgery UCDHSC, 2 May 2006
40. "The Critical role of the Neurosurgeon in the treatment of pediatric brain tumors." Heme/Onc/BMT Fellows teaching conference, The Children's Hospital, Denver, 11 March 2007.
41. "Pediatric Epilepsy Surgery." Anesthesia teaching conference, The Children's Hospital, Denver, 18 June 2007
42. "Hydrocephalus in the Neonate—Treatment and Outcomes." NICU Teaching Conference, The Children's Hospital, Aurora CO, 13 November 2007
43. "Pediatric Epilepsy Surgery." Anesthesia teaching conference, The Children's Hospital, Aurora, November 2008
44. "Hydrocephalus," Pediatric Residency Noon Teaching Conference, The Children's Hospital, Aurora, 19 November 2009
45. "Tethered Spinal Cord," Anesthesia teaching conference, The Children's Hospital, Aurora, 26 August 2010
46. "Electrocorticography—Balancing Anesthetic and Neuromonitoring Needs," Anesthesia teaching conference, The Children's Hospital, Aurora, 30 August 2010.
47. "Pediatric Epilepsy Surgery." Anesthesia teaching conference, The Children's Hospital, Aurora, 17 January 2011
48. "Hydrocephalus," Pediatric Residency Noon Teaching Conference, The Children's Hospital, Aurora, 24 January 2011
49. "Hydrocephalus," Pediatric Residency Noon Teaching Conference, The Children's Hospital, Aurora, 9 February 2012.
50. "Inclusion cysts of the Neuraxis," Neurosurgery Grand Rounds, University of Colorado School of Medicine, 23 October 2012.

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51. "Hydrocephalus and shunts for neurologists," Neurology Resident Teaching Conference, 17 April 2014.

Allied Health Professional Teaching conferences:

1. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, September 1988
2. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, March 1989
3. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, September 1990
4. "Field Management of Head and Spine Injuries," EMT training Course, Somerset Hospital, January 1991
5. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, March 1991
6. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, September 1991
7. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, March 1992
8. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, September 1992
9. "Neurological Assessment for ICU Nurses," Critical Care Training Course, Somerset Hospital, Somerville, NJ, March 1993
10. "Hydrocephalus," Nursing Teaching Conference, The Children's Hospital, Denver, May, 1995
11. "Neuroimaging," Nursing Teaching Conference, The Children's Hospital, Denver, May, 1995
12. "Hydrocephalus," Nursing Teaching Conference, P/SL Medical Center, Denver, November 1995
13. "Neuroimaging," Nursing Teaching Conference, P/SL Medical Center, Denver, November 1995
14. "Craniotomy—What It Means for You." Cutting Edge: Care for the Pediatric Surgical Patient, Nursing Education Seminar, The Children's Hospital, 13 May 2004.
15. "The Child with an Abnormally Shaped Head," Lecture to PA students, Fitzsimmons Campus Building 500, 20 October 2005.
16. "Epilepsy Surgery," Perioperative Services Workshop, The Children's Hospital, Aurora, 23 August 2008
17. "Kinds of Epilepsy Operations" Nursing Neurosciences Education Day, The Children's Hospital, 30 August 2010.
18. "Overview of Pediatric Brain Tumors," Nursing Neurosciences Education Day, The Children's Hospital, 14

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April 2011.

19. "Pediatric Brain and Spinal Injuries," 2011 TCH Emergency and Trauma Outreach Symposium, Marriott Ft. Collins, Ft. Collins, CO, 13 May 2011.

20 "Tethered Spinal Cord," Pediatric Grand Rounds, Littleton Hospital, Littleton, CO, 17 May 2011.

21. "Pediatric Brain and Spinal Injuries," 2012 TCH Emergency and Trauma Outreach Symposium, Laramie County Community College, Cheyenne WY 1 June 2012.

Bibliography

Peer Reviewed Publications:

1. Whalen M, Kricheff I, **Handler M**, et al.: Acquired Immune Deficiency Syndrome: Cerebral Computed Tomographic Manifestations. *Radiology* 149: 477-484, 1983.

2. **Handler M**, Ho V, Whalen M, Budzilovich G: Intracerebral Toxoplasmosis in Patients with Acquired Immunodeficiency Syndrome. *Journal of Neurosurgery* 59: 994-1001, 1983.

3. Bridges N, Rifkinson-Mann S, **Handler M**, Epstein F: Planning Ventriculoperitoneal Shunts in Infants and Small Children. *Pediatric Neuroscience* 14: 191-195, 1988.

4. **Handler M**, Abbott RI, Lee M: Near-fatal Complication of Endoscopic Third Ventriculostomy: Case Report. *Neurosurgery* 35:525-528, 1994.

5. **Handler M**: A Complication in Removing a Retained Ventricular Catheter Using Electrocautery (letter). *Pediatric Neurosurgery* 25:276, 1996.

6. Foreman N, **Handler M** and Hay T: Chemotherapy for Spinal Cord Astrocytoma (letter). *Medical and Pediatric Oncology* 82:311-312, 1998.

7. Patel U, Pinto RS, Miller DC, **Handler MH**, Rorke LB, Epstein FJ, and Kricheff II: MR of Spinal Cord Ganglioglioma. *Am J Neuroradiol* 19:879-887, 1998.

8. Weinberg JS, Freed DL, Sadock J, **Handler MH**, Wisoff JH, and Epstein FJ: Headache and Chiari I Malformation in the Pediatric Population. *Pediatric Neurosurgery* 29:14-18, 1998.

9. Disabato JA, **Handler MH**, Strain JD, Flietz JM, and Foreman NK: Successful Use of Intracavitary Bleomycin for Low-Grade Astrocytoma Tumor Cyst. *Pediatric Neurosurgery* 31:246-250, 1999.

10. Fenton LZ, Sirotnak AP, **Handler MH**, Parietal Pseudofracture and Spontaneous Intracranial Hemorrhage Suggesting Nonaccidental Trauma: Report of 2 Cases. *Pediatric Neurosurgery* 33:318-322, 2000.

11. Orr LC, Flietz J, McGavran L, Wyatt-Ashmead J, **Handler MH**, and Foreman NK, Cytogenetics in Pediatric Low-Grade Astrocytomas. *Med Pediatr Oncol* 38: 173-7, 2002.

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12. Eule JM, Erickson MA, O'Brien MF, and **Handler MH**, Chiari I Malformation Associated with Syringomyelia and Scoliosis: A 20 year Review of Surgical and Non-Surgical Treatment in a Pediatric Population. *Spine*, 27:1451-1255, 2002.
13. Gore L, Greffe BS, Rothenberg SS, Erickson M, **Handler MH**. Long-term survival after intralesional resection and multi-modal therapy of thoracic spine osteosarcoma. *Medical and Pediatric Oncology*, 40(6):400-402, 2003
14. McDowell BC, Morton BE, Janik JS, ...**Handler MH**, et. al, Separation of conjoined pygopagus twins. *Plast Recon Surg* 111(6):1998-2002, 2003
15. Smith A, Weng E, **Handler M**, Foreman N. Intracranial Germ Cell Tumors-A Single Institution Experience and a Review of the Literature. *J Neuro-Oncolog* 68(2):153-9, 2004
16. Townsend N, **Handler MH**, Fleitz J, Foreman N. Intramedullary spinal cord astrocytomas in children. *Pediatr Blood Cancer*. 43(6):629-32, 2004
17. Sowar K, Straessle J, Donson AM, **Handler MH**, Foreman N, Predicting which children are at risk for ependymoma relapse. *J Neurooncol* ;78(1):41-6, 2006.
19. Donson AM, Addo-Yobo SO, **Handler MH**, Gore L, Foreman NK. MGMT promoter methylation correlates with survival benefit and sensitivity to temozolomide in pediatric glioblastoma. *Pediatr Blood Cancer* 48(4):403-7, 2007.
20. Bernard TJ, Mull BR, **Handler MH**, et al., An 18-year-old Man with Fenestrated Vertebral Arteries, Recurrent Stroke and Successful Angiographic Coiling. *J Neurol Sci*. 15;260(1-2):279-82. 2007
21. 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(6):449-55, 2007
22. Hazrati LN, Kleinschmidt-Demasters BK, **Handler MH** et al., Astrocytic Inclusions in Epilepsy: Expanding the Spectrum of Filaminopathies. *J Neuropathol Exp Neurol* 67:669-76, 2008
23. **Handler MH** and Callahan B, Laparoscopic Placement of Distal Ventriculoperitoneal Shunt Catheters, *J Neurosurg: Pediatrics* 2:282-285, 2008.
24. Liu AK, Bagrosky B, Fenton LZ, Gaspar LE, **Handler MH**, McNatt SA, Foreman NK, Vascular abnormalities in pediatric craniopharyngioma patients treated with radiation therapy. *Pediatr Blood Cancer* 52:227-30. 2009
25. Gault J, Awad AA, Recksiek P, Shenkar R, Breeze R, **Handler MH**, Kleinschmidt-Demasters BK, Cerebral cavernous malformations: Somatic mutations in vascular endothelial cells. *Neurosurgery* 65:138-145, 2009.
- 25A Lui AK, Foreman NK, Gaspar LE, Trinidad E, **Handler MH**, Maximally safe resection followed by hypofractionated re-irradiation for locally recurrent ependymoma in children. *Pediatr Blood Cancer* 52:804-807, 2009
26. Donson AM, Birks DK, Barton VN, Wei Q, Kleinschmidt-Demasters BK, **Handler MH**, Waziri AE, Wang M Foreman NK, Immune gene and cell enrichment is associated with a good prognosis in ependymoma. *J Immunol*. 183(11):7428-40, 2009
27. Birks DK, Kleinschmidt-Demasters BK, Donson AM, Barton VN, McNatt SA, Foreman NK, **Handler MH**. Claudin 6 Is a Positive Marker for Atypical Teratoid/Rhabdoid Tumors. *Brain Pathol*, 20:140-150, 2010.

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28. **Handler MH** and Foreman NB, Diffuse Intrinsic Pontine Gliomas, Letter to the Editor. *J Neurosurg Pediatrics* 5:140-141, 2010

29. Katz JS, Oluigbo CO, Wilkinson CC, McNatt S, **Handler MH**, Prevalence of Cervical Spine Injury in Infants with Head Trauma. *J Neurosurg Pediatr.* 5:470-473, 2010

30. Barton VN, Donson AM, Kleinschmidt-DeMasters BK, Birks DK, **Handler MH**, Foreman NK., Unique molecular characteristics of pediatric myxopapillary ependymoma. *Brain Pathol.* 20:560-70, 2010

31. Barton VN, Foreman NK, Donson AM, Birks DK, **Handler MH**, Vibekhar R, Aurora kinase A as a rational target for therapy in glioblastoma. Laboratory investigation. *J Neurosurg Pediatrics* 6:98-105, 2010.

32. Hankinson TC, Campagna E, Foreman NK, **Handler MH** Interpretation of Magnetic Resonance Images in Diffuse Intrinsic Pontine Glioma: A Survey of Pediatric Neurosurgeons. *J Neurosurg Pediatrics* 8:97-102, 2011.

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