



CURRICULUM VITAE
BENJAMIN SOLOMON CARSON, SR.
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Current Appointments

1984 - Present	Director Division of Pediatric Neurosurgery The Johns Hopkins Medical Institutions Baltimore, Maryland
1991 - Present	Co-Director of The Johns Hopkins Cleft and Craniofacial Center Johns Hopkins Hospital Baltimore, Maryland
June, 1999 - Present	Professor of Neurological Surgery The Johns Hopkins Medical Institutions Baltimore, Maryland
June, 1999 - Present	Professor of Oncology The Johns Hopkins Medical Institutions Baltimore, Maryland
June, 1999 - Present	Professor of Plastic Surgery The Johns Hopkins Medical Institutions Baltimore, Maryland
June, 1999 - Present	Professor of Pediatrics The Johns Hopkins Medical Institutions Baltimore, Maryland

Personal Information

Date of Birth	September 18, 1951
Place of Birth	Detroit, Michigan
Marital Status	Married
Wife's Name	Lacena Beatrice Rustin Carson
Year of Marriage	1975
Children	Murray Nedlands Carson Benjamin S. Carson, Jr. Rhoeyce Harrington Carson

Publications (cont'd)

1981	Senior Neurosurgical Resident The Baltimore City Hospitals Baltimore, Maryland
1982 - 1983	Chief Resident and Fellow in Neurological Surgery The Johns Hopkins University School of Medicine and Hospital
1983 - 1984	Senior Registrar in Neurosurgery Sir Charles Gairdner Hospital Queen Elizabeth II, Medical Center Western Australia

Previous Professional Experience

1984 - 1991	Assistant Professor of Neurological Surgery Director Division of Pediatric Neurosurgery
1984 - 1991	Assistant Professor of Oncology Co-Director of Section of Neurosurgical Oncology The Johns Hopkins Medical Institutions Baltimore, Maryland
1987 - 1996	Assistant Professor of Pediatrics The Johns Hopkins Medical Institutions Baltimore, Maryland
1991 - 1999	Associate Professor of Neurological Surgery, Oncology, Plastic Surgery, and Pediatrics The Johns Hopkins Medical Institutions Baltimore, Maryland

Publications

1. **Carson BS**, Anderson J, Grossman S, Hilton J, White C, Colvin OM, Clark A, Grochow L, Kahn A, Murray K: An Improved Rabbit Brain Tumor Model Amenable to Diagnostic Radiographic Procedures. *Neurosurgery*, Vol. 11, No. 5, 603-608, 1982.
2. **Carson BS**, Anderson J, Grossman S, Hilton J, White C, Murray K, Colvin OM: Radiographic Imaging of a Rabbit Brain Tumor Model. *Investigative Radiology*, Vol. 17, No. 4, 1982.
3. Maria B, Zinreich J, Freeman J, **Carson BS**, Rosenbaum A: Dandy-Walker Syndrome Revisited. *Annals of Neurology*, Vol. 18, No. 3, 389, 1985.
4. Rosenbloom S, **Carson BS**, Wang H, Rosenbaum A, Udvarhelyi GB: Cerebellopontine angle Lipoma. *Surgical Neurology*, 23:134-138, 1985.
5. Maria B, Cafferty L, Singer H, Epstein J, **Carson BS**: Diffuse Leptomeningeal Seeding from a Spinal Cord Glioblastoma in a Child with Neurofibromatosis. *J. Neuro-Oncology*, 4, 159-163, 1986.
6. Dalos N, Vining EPG, **Carson BS**, Freeman JM: Rasmussen's Encephalitis: Clinical Recognition and Surgical Management. *Epilepsia*, 27:594, 1986.
7. O'Tuama L, Williams J, LaFrance N, Wagner H, Links J, Dannals R, **Carson BS**, Brem H, Strauss L: Role of 11 C-L-Methionine Positron Emission Tomography (PET) in the Care of Children with Brain Tumors. *Annals of Neurology*, Vol. 20, No. 3, 422, September, 1986.

Publications (cont'd)

8. Wang A, **Carson BS**: The Dandy-Walker Malformation: Upward Herniation in the Shunted Child. *Surg. Neur.* 28:215-20, 1987.
9. Vining EPG, **Carson BS**, Freeman J, Long D: Bilateral Epileptic Abnormalities: A Unilateral Cure. *Epilepsia*, 28:591, 1987.
10. Maria B, Zinreich J, **Carson BS**, Rosenbaum A, Freeman J: Dandy-Walker Syndrome Revisited. *Pediatric Neuroscience*, 13:45-51, 1987.
11. Uematsu S, Rosenbaum AE, Abel DL, Erozan YS, Gupta PK, **Carson BS**, Kumar AJ: Helmet for Infant Skull Fixation during Stereotactic Neurosurgery. *Applied Neurophysiology*, 50:114-118, 1987.
12. Carson, BS: Factors Affecting Minority Learning in Scientific Fields. *Journal of College Science Teaching*, Vol. XVII, No. 5, March/April, 1988.
13. Price J, Loury M, **Carson BS**, Johns M: The Pericranial Flap for Reconstruction of Anterior Skull Base Defects. *Laryngoscope*, 98(11):1159-1164, November, 1988.
14. O'Tuama L, Phillips P, Strauss L, **Carson BS**, Uno Y, Smith Q, Dannals R, Wilson A, Ravert H, Loats S, Loats H, LaFrance N, Wagner H: Two-Phase [¹¹C] L-methionine PET in Childhood Brain Tumors. *Ped. Neuro.*, 6:3, 163-170, 1988.
15. Cameron D, Reitz B, **Carson BS**, Long D, Dufresne C, Vander Kolk C, Maxwell L, Tighman D, Nichols D, Wetzel R, Rogers M: Separation of Craniopagus Siamese Twins Using Cardiopulmonary Bypass and Hypothermic Circulatory Arrest. *Journal of Thoracic and Cardiovascular Surgery*, 98:961-967, 1989.
16. Moskowitz N, **Carson BS**, Levitt R: Foramen Magnum Decompression in an Infant with Homozygous Achondroplasia. *Journal of Neurosurgery*, 70:126-128, 1989.
17. Brem H, Beaver B, Zinreich S, Scherer L, **Carson BS**, Haller J: Neonatal Diagnosis of a Presacral Mass in the Presence of Congenital Anal Stenosis and Partial Sacral Agenesis. *Journal Pediatric Surgery*, Vol. 24, No. 10, 1076-1078, October, 1989.
18. Zinreich SJ, Kennedy DW, Long DM, **Carson BS**, Dufresne CR: 3-D Applications in Neuroradiology. *Hospimedica*, 8(1):29-32, February, 1990.
19. North R, Kidd D, Piantadosi S, **Carson BS**: Percutaneous Retrogasserian Glycerin Rhizotomy. Predictors of Success and Failure in the Treatment of Trigeminal Neuralgia. *J. Neurosurg.*, 72:851-856, 1990.
20. **Carson BS**, Brem H: Neurosurgery Update. *JAMA*, Vol. 263, No. 19, May 16, 1990.
21. Aryanpur J, Hurko O, Francomano C, Wang H, **Carson BS**: Craniocervical Decompression for Cervico-Medullary Compression in Pediatric Patients with Achondroplasia. *J Neurosurg.* 73:375-382, 1990.
22. Phillips PC, **Carson BS**, Kaufman SH, Black AD, Morelos JC, Colvin OM: Glutathione S-Transferase and Glutathione in Human Brain Tumors and Brain Tumor Cell Lines. *Cancer Research*, 1990.
23. Vining E, Freeman J, **Carson BS**, Brandt J: Hemispherectomy in Children - The Johns Hopkins Experience: 1968-1988. A Preliminary Report. *Journal of Epilepsy*, Vol. 3 (Suppl):169-176, 1990.
24. Ikeda Y, **Carson BS**, Long DM: Therapeutic Effects of Topical Dexamethasone on Experimental Brain Tumors and Peritumoural Brain Oedema. *Acta Neurochirurgica - Supplementum*, 51:163-164, 1990.
25. Goldstein P, Taylor WS, Zisow D, **Carson BS**, Shuster E, Brodner R: Ventriculo-amniotic Shunt for Treatment of Hydrocephalus in One of Twins: Medical, Ethical and Legal Considerations. *Journal of Perinatal Medicine*, Vol. 18, Suppl. I, 1990.
26. **Carson BS**, Dufresne CR: Craniofacial Reconstruction. *The Video Journal of Neurosurgery*, Vol. 4, Issue 1, Part 2, 1990. Professional Information Library.
27. Vander Kolk CA, Zinreich SJ, **Carson BS**, Bryan N, Manson PN: An Interactive 3D-CT Surgical Localizer for Craniofacial Surgery. *Craniofacial Surgery*, 4:25, 1990
28. **Carson BS**: Pediatric Neurosurgery. *Curr Opin Neurol Neurosurg*, 3(3): 394-399, 1990.
29. Strauss LC, Killmond TM, **Carson BS**, Maria BL, Wharam MD, Leventhal BG: Efficacy of Postoperative Chemotherapy Using Cisplatin Plus Etoposide in Young Children with Brain Tumors. *Medical and Pediatric Oncology*, 19:16-21, 1991.

Publications (cont'd)

30. Mattox D, **Carson BS**: Transpalatal - Transphenoidal Approaches to the Sella in Children. *Skull Base Surgery*, Vol. I, No. 3, 1991.
31. Corden BJ, Strauss LC, Killmond T, **Carson BS**, Wharam MD, Kumar AJ, Piantadosi S, Robb PA, Phillips PC: Cisplatin, Ara-C and Etoposide (PAE) in the Treatment of Recurrent Childhood Brain Tumors. *J Neuro-Oncology*, 11(1):57-63, August, 1991.
32. Candy EJ, Miller NR, **Carson BS**: Myxoma of Bone Involving the Orbit. Case Report. *Arch Ophthalmology*, 109:919-920, July, 1991.
33. **Carson BS**: Pediatric Neurosurgery. *Curr Opin Neurol Neurosurg*, 4(3):400-405, 1991.
34. Thilo EH, Park-Moore B, Berman ER, **Carson BS**: Oxygen Saturation by Pulse Oximetry in Health Infants at an Altitude of 1610 m (5280 ft). What is Normal? *Am J Dis Child*, 145(10): 1137-1140, 1991.
35. Phillips PC, Than TT, Cork LC, Hilton J, **Carson BS**, Colvin OM, Grochow LB: Intrathecal 4-hydroperoxycyclophosphamide: Neurotoxicity, Cerebrospinal Fluid Pharmacokinetics, and Antitumor activity in a rabbit model VX-2 leptomeningeal carcinomatosis. *Cancer Research*, 52: 6168-6174, November, 1992.
36. Tsuchida T, Hruban RH, C, **Carson BS**, Phillips PC: Colloid Cysts of the Third Ventricle: Immunohistochemical Evidence for Non-Neuroepithelial Differentiation. *Human Pathology*, 23(7):811-816, 1992.
37. Richtsmeier WJ, Brigg RJ, Koch WM, Eisele DW, Lousy MC, Price JC, Mattox DE, **Carson BS**: Complications and Early Outcome of Anterior Craniofacial Resection. *Archives of Otolaryngology -- Head & Neck Surgery*, 118(9):913-917, September, 1992.
38. Griffin CA, Long P, **Carson BS**, Brem H: Chromosome Abnormalities in Low Grade Central Nervous System Tumors. *Journal Cancer Genetics and Cytogenetics*, 60(1):67-73, 1992.
39. **Carson BS**: Pineal Region Tumors in Children. *Contemporary Neurosurgery*, Vol. 14, No. 24, 1992.
40. Arroyo S, Krauss GL, Lesser RP, Gordon B, Jr Hart J, **Carson BS**, Uematsu S: Simple Partial Seizures: Clinical-Functional Correlation. *A Case Report. Neurology*, 42:642-646, 1992.
41. Vander Kolk CA, Zinreich J, **Carson BS**, Manson PN: An Interactive 3D Surgical Localizer for Craniofacial Surgery. *Craniofacial Surgery*, 5, 1992.
42. Tsuchida T, Hruban RH, **Carson BS**, Phillips PC: Folliculo-Stellate Cells in the Human Anterior Pituitary Express Cytokeratin. *Path. Res. Pract.*, 189:184-188, 1993.
43. Vining EPG, Freeman JM, Brandt J, **Carson BS**, Uematsu S: Progressive Unilateral Encephalopathy of Childhood (Rasmussen's Syndrome): A Reappraisal. *Epilepsia*, 34(4):639-650, 1993.
44. Vander Kolk CA, **Carson BS**, Robertson BC, Manson PN: The Occipital Bar and Internal Osteotomies in the Treatment of Lambdoidal Synostosis. *Journal of Craniofacial Surgery*, 4(2):112-118, April, 1993.
45. Nichols DG, Yaster M, Lynn AM, Helfaer MA, Deshpande JK, Manson PN, **Carson BS**, Bezman M, Maxwell LG, Tobias JD, et al: Disposition and Respiratory Effects of Intrathecal Morphine in Children. *Anesthesiology*, 79(4):733-738; Discussion 25A, October, 1993.
46. Ikeda Y, **Carson BS**, Lauer JA, Long DL: Therapeutic Effects of Topical Dexamethasone on Experimental Brain Tumor and Peritumoral Brain Edema. *J Neurosurgery*, 79(5):716-721, 1993.
47. Vander Kolk CA, **Carson BS**: Lambdoid Synostosis. [Review]. *Clinics in Plastic Surgery*, 21(4):575-584, October, 1994.
48. **Carson BS**: Excellence in Clinical Subspecialties. *Annals of the New York Academy of Sciences*, 729:36-38; Discussion 62-66, November 4, 1994.
49. Ikeda Y, **Carson BS**, Long DM: The Effects of Topical Dexamethasone on Experimental Brain Tumors and Peritumoral Brain Edema. *Acta Neurochir*, (1994) [Suppl] 60:397-399.
50. Taylor GA, Phillips MD, Ichord RN, **Carson BS**, Gates JA, James CS: Intracranial Compliance in Infants: Evaluation with Doppler US. *Radiology*, 191(3):787-791, 1994.

Publications (cont'd)

51. **Carson BS:** The Physician's Role in Curing Social Ills. *Otolaryngology - Head and Neck Surgery*, Vol 111, No. 3, Part 1 (168-174), September, 1994. Also reprinted in *Surgical Neurology*, Vol. 45:497-503, 1996.
52. **Carson BS**, Lauer JA, Guarnieri M: Hemispherectomy: A Review. *Neurosurgery Quarterly*, 6(3):155-175, 1996.
53. **Carson BS**, Javedan SP, Freeman JM, Vining EPG, Zuckerberg AL, Lauer JA, Guarnieri M: Hemispherectomy: A Hemidecortication Approach and Review of 52 cases from 1975 - 1994. *J Neurosurgery*, 84:903-911, 1996. (Also lead article for *Neurosurgery Focus* (Internet), April, 1996.
54. Freeman JM, Vining EPG, **Carson BS**, Zuckerberg A: Hemispherical Deafferentation: An Alternative to Functional Hemispherectomy. *Neurosurgery* (Correspondence), 39(3), September, 1996.
55. Fisher PG, **Carson BS:** Management of Brainstem Gliomas in Children. *Contemporary Neurosurgery*, Vol. 18, No. 24 (1-7) December, 1996.
56. **Carson BS**, James C, Vander Kolk C: Lambdoidal Synostosis and Occipital Plagiocephaly: Clinical Decision Rules for Surgical Intervention. *Neurosurgical Focus*, 2(2): Article 5, February, 1997.
57. Shermak MA, Perlman EJ, **Carson BS**, Dufresne CR: Giant Congenital Nevocellular Nevus Overlying An Encephalocele: A Case Report and Literature Review. *J Craniofacial Surgery*, Vol. 7(5):376-384, 1996.
58. **Carson BS**, Washington H: Health Care Reform -- A Paradigm Shift. *Harvard Journal of Minority Public Health*, Vol 2 (1), 1996.
59. Vining EPG, Freeman JM, Pillas DJ, Uematsu S, **Carson BS**, Brandt J, Boatman D, Pulsifer M, Zuckerberg AZ: Why Would You Remove Half A Brain? The Outcome of 58 Children After Hemispherectomy -- The Johns Hopkins Experience: 1968 - 1996. *Pediatrics*, Vol. 100(2):163-171, 1997.
60. **Carson BS**, Weingart JD, Fisher PG, Guarnieri M: Third Ventricular Choroid Plexus Papilloma with Psychosis. *Journal of Neurosurgery*, 87:103-105, 1997.
61. **Carson BS**, James C, Vander Kolk C, Guarnieri M: Lambdoid Synostosis and Occipital Plagiocephaly: Clinical Decision Rules for Surgical Intervention. *Neurosurgical Focus*, 1:1, 1997.
62. Furin MM, Eisele DW, **Carson BS:** McCune-Albright Syndrome (Polyostotic Fibrous Dysplasia) with Intracranial Frontoethmoid Mucocoele. *Otolaryngol Head Neck Surg.*, 116(4): 559-562, 1997.
63. Helfaer MA, **Carson BS**, James CS, Gates J, Della-Lana D, Vander Kolk C: Increased Hematocrit and Decreased Transfusion Requirements in Children Given Erythropoietin before Undergoing Craniofacial Surgery. *J Neurosurgery*, 88:704-708, 1998.
64. Christens-Barry WA, Guarnieri M, **Carson BS:** Fiberoptic Delivery of Laser Energy to Remove Occlusions from Ventricular Shunts: *Technical Report. Neurosurgery*, Vol. 44(2):345-349, 1999.
65. Boatman D, Freeman J, Vining E, Pulsifer M, Miglioretti D, Minahan R, **Carson BS**, Brandt J, McKhann G: Language Recovery after Left Hemispherectomy in Children with Late Onset Seizures. *Annals of Neurology*, 46(4):579-585, 1999.
66. Zumpano MP, **Carson BS**, Marsh JL, Vander Kolk C, Richtsmeier JT: Three-Dimensional Morphological Analysis of Isolated Metopic Synostosis. *The Anatomical Record*, 256:177-188, 1999.
67. Haroun RI, Khan WL, **Carson BS**, Brem H: Primary Tumors of the Choroid Plexus. *Contemporary Neurosurgery*, 22(3):1-7, February, 2000.
68. **Carson BS**, Muñoz D, Gross G, Vander Kolk CA, James CS, Gates, J, North M, McKnight M, Guarnieri M: Technical Strategies - An Assistive Device for the Treatment of Positional Plagiocephaly. *The Journal of Craniofacial Surgery*, 11(2):177-183, 2000.
69. Meadows JJ, Kraut M, Guarnieri M, Haroun R, **Carson BS:** Asymptomatic Chiari Type I Malformations Identified on Magnetic Resonance Imaging. *J Neurosurgery*, 92:920-926, 2000.

Publications (cont'd)

70. Bowers DC, Georgiades C, Aronson LJ, **Carson BS**, Weingart JD, Wharam MD, Melhem ER, Burger PC, Cohen KJ: Tectal Gliomas: Natural History of an Indolent Lesion in Pediatric Patients. *Pediatric Neurosurgery*, 32(1):24-29, 2000.
71. Haroun RI, Guarnieri M, Meadow JJ, Kraut M, **Carson BS**: Current Opinions for the Treatment of Syringomyelia and Chiari Malformations: Survey of the Pediatric Section of the American Association of Neurological Surgeons. *Pediatric Neurosurgery*, 33:311-317, 2000.
72. Fisher PG, Breiter SN, **Carson BS**, Wharam MD, Williams JA, Weingart JD, Foer DR, Goldthwaite PT, Tihan T, Burger PC: A Clinicopathologic Reappraisal of Brain Stem Tumor Classification. *Cancer*, 89:1569-1576, 2000.
73. **Carson BS**, James C, Gross G, Vander Kolk C, Guarnieri M: Management of Craniosynostosis: Biological Rationale. *Brunei International Medical Journal*, 2(1):103-114, 2000.
74. **Carson BS Sr**: Indications and Outcomes for Lobectomy, Corpus Callosotomy, and Hemispherectomy in Pediatric Neurosurgical Patients. *Clinical Neurosurgery*, 47:385-399, 2000.
75. Takhtani D, Melhem ER, **Carson BS**: A Heterotopic Cerebellum Presenting as a Suprasellar Mass with Associated Nasopharyngeal Teratoma. *Am. J. Neuroradiology*, 21(6): 1119-1121, 2000.
76. Vanier V, Miller NR, **Carson BS**: Bilateral Visual Improvement after Unilateral Optic Canal Decompression and Cranial Vault Expansion in a Patient with Osteopetrosis, Narrowed Optic Canals, and Increased Intracranial Pressure. *J. Neurol. Neurosurg. Psychiatry*, 69(3): 405-406, 2000.
77. Bower DC, Krause TP, Aronson LJ, Barzi A, Burger PC, **Carson BS**, Weingart JD, Wharam MD, Melhem ER, Cohen KJ: Second Surgery for Recurrent Pilocytic Astrocytoma in Children. *Pediatric Neurosurgery*, 34:229-234, 2001.
78. Meadows JJ, Kraut M, Guarnieri M, Haroun R, **Carson BS**: The Type 1 Chiari Malformations: A Review of the Literature. *Neurosurgery Quarterly*, 11:220-229, 2001.
79. Garonzik IM, Samdani AF, **Carson BS**, Avellino AM: Pneumocephalus in a Newborn with an Open Myelomeningocele. *Pediatric Neurosurgery*, 35(6):334, 2001.
80. Horska A, Ulug AM, Melhem ER, Filippi CG, Burger PC, Edgar MA, Souweidane MM, **Carson BS**, Barker PB: Proton Magnetic Resonance Spectroscopy of Choroid Plexus Tumors in Children. *Journal of Magnetic Resonance Imaging*, 14(1):78-82, 2001.
81. Guarnieri M, Wu Q, Biser-Rohrbaugh A, Bunton T, Rhines L, Weingart J, **Carson BS**: Toxicity of Intracranial and Intraperitoneal O6-Benzyl Guanine in Combination with BCNU Delivered Locally in a Mouse Model. *Cancer Chemotherapy and Pharmacology*, 50:392-396, 2002.
82. **Carson BS**, Wu Q, DeMeco F, Olivi A, Clatterbuck R, Sukay L, Raychaudhury R, Tyler B, Guarnieri M: New Approaches to Tumor Therapy for Inoperable Areas of the Brain: Chronic Intraparenchymal Drug Delivery. *Journal of Neuro-Oncology*, 60:151-158, 2002.
83. Wu Q, **Carson BS**, DeMeco F, Rhines L, Tyler B, Sukay L, Clatterbuck R, Guarnieri M: New Approaches to Brainstem Tumor Therapy: I. Rodent Models of Brainstem Tumors. *Veterinary Pathology*, 39:293-299, 2002.
84. **Carson BS**, Guarnieri M: Local Therapy for Brain Tumors. *Advances in Clinical Neurosciences*, 12:89-99, 2002.
85. Kossoff EH, Vining EP, Pyzik PL, Kriegler S, Min KS, **Carson BS**: The Postoperative Course and Management of 106 Hemidecortications. *Pediatric Neurosurgery*, 37:298-303, 2002.
86. Lesniak MS, Klem JM, Weingart J, **Carson BS**: Surgical Outcomes Following Resection of Contrast-Enhanced Pediatric Brainstem Gliomas. *Pediatric Neurosurgery*, 39:314-322, 2003.
87. Boatman D, Vining EP, Freeman J, **Carson BS**: Auditory Processing Studied Prospectively in Two Hemidecorticectomy Patients. *Journal of Child Neurology*, 18(3):228-232, 2003.
88. Storm P, Clatterbuck R, Liu YJ, Gillis E, Johnson RM, Guarnieri M, **Carson BS**: A Surgical Technique for Safely Placing a Drug Delivery Catheter into the Pons of Primates: Preliminary Results of Carboplatin Infusion. *Neurosurgery*, 52:1169-1177, 2003.

Publications (cont'd)

89. Kossoff EH, Vining EP, Pillas DJ, Pyzik PL, Avellino AM, **Carson BS**, Freeman JM: Hemispherectomy for Intractable Unihemispheric Epilepsy Etiology vs Outcome, *Neurology*, 61(7): 887-890, 2003.
90. Freeman JM, **Carson BS Sr**: Management of Infants with Potentially Misshapen Heads, *Pediatrics*, 111 (4 Pt 1):918, 2003.
91. R. J. Strege, Y. J. Liu, A. Kiely, R. Johnson, E. Gillis, P. Storm, B. S. Carson Sr., G. Jallo, and M. Guarnieri: Toxicity and Cerebrospinal Fluid Levels of Carboplatin Chronically Infused into the Brainstem of a Primate, *J. Neuro-Oncology*, 67:327-334, 2004.
92. M. Guarnieri and B. S. Carson Sr.: Chronic Local Therapy for Brainstem Tumors, *Neurosurgery*, 54: 1025-1027, 2004.
93. Q. Wu, M. Guarnieri, B. Tyler, F. DeMico, R. E. Clatterbuck, K. Li, H. Brem, B. S. Carson Sr.: Section on Tumors: Young Investigator Award: Local Release of Carboplatin via an Alzet Mini-Osmotic Pump Prolongs Survival in a Rat Brainstem Tumor Model, *Clinical Neurosurgery*, 51:332-339, 2004.
94. Pardo C.A., Vining E.P.G., Liping G., Skolasky R.L., Carson B.S., Freeman J.M.: The Pathology of Rasmussen Syndrome: Stages of Cortical Involvement and Neuropathological Studies in 45 Hemispherectomies, *Epilepsia*, 45(5): 516-526, 2004.
95. Pulsifer MB, Brandt J, Salorio CF, Vining EP, **Carson BS**, Freeman JM: The Cognitive Outcome of Hemispherectomy in 71 Children, *Epilepsia*, 45(3):243-54, 2004.
96. Komotar RJ, Burger PC, **Carson BS**, Brem H, Olivi A, Goldthwaite PT, Tihan T: Pilocytic and Pilomyxoid Hypothalamic/Chiasmatic Astrocytomas, *Neurosurgery*, 54(1):72-79; discussion 79-80, 2004.
97. A. Khan, G. I. Jallo, Y. J. Liu, B. S. Carson Sr., and M. Guarnieri,: Infusion Rates and Drug Distribution in Brain Tumor Models, *J. Neurosurgery (Pediatrics 1)*, 102:53-58, 2005.
98. May BJ, Guarnieri M, **Carson BS Sr**, Bachani A, Jallo GI: Long term effects of carboplatin infusions on hearing thresholds in monkeys. *Archives Otolaryngology-Head and Neck Surgery*, 130(12):1411-1415, 2004.
99. Ho NC, Guarnieri M, Brant LJ, Park SS, Sun B, North M, Francomano CA, **Carson BS Sr**: Living with Achondroplasia: Quality of Life Evaluation following Cervico-medullary decompression. *Am J Med Genetics A*, 131(2):163-167, 2004.
100. Jallo GI, Guarnieri M, Liu YJ, Tyler BM, Sukay L, Lee J, and **Carson BS Sr**. Experimental Models of Brainstem Tumors: II. Development of a Neonatal Rat Model. *Child's Nervous System*, 21(5):399-403, E-pub 2005.
101. Hussain NS, Wang PP, James C, **Carson BS**, Avellino AM: Distal Ventriculoperitoneal Shunt Failure Caused by Silicone Allergy: Case Report. *Journal of Neurosurgery - Pediatrics*, 102(3):536-539, 2005.
102. Samdani AF, Storm PB, Kuchner EB, Garonzik IM, Sciubba D, **Carson BS**: Ventriculoperitoneal Shunt Malfunction Presenting with Pleuritic Chest Pain. *Pediatr Emerg Care*, 21(4):261-263, 2005.
103. Guarnieri M, **Carson BS**, Khan A, Penno M, Jallo GI: Flexible Versus Rigid Catheters for Chronic Administration of Exogenous Agents into Central Nervous System Tissues. *J Neurosci Methods*, 144(2):147-152, 2005.
104. Cirak B, Horska A, Barker PB, Burger PC, **Carson BS**, Avellino AM: Proton Magnetic Resonance Spectroscopic Imaging in Pediatric Pilomyxoid Astrocytoma. *Child Nerv Syst.*, 21(5):404-409, 2005.
105. Komotar RJ, **Carson BS**, Rao C, Chaffee S, Goldthwaite PT, Tihan T: Pilomyxoid Astrocytoma of the Spinal Cord: Report of Three Cases. *Neurosurgery*, 56(1):191, 2005.
106. Khan A, Jallo GI, Liu YJ, **Carson BS**, Guarnieri M: Infusion Rates and Drug Distribution in Brain Tumor Models in Rats. *J Neurosurg*, 102(1 Suppl):53-58, 2005.
107. Sciubba DM, Stuart RM, McGirt MJ, Woodworth GF, Samdani A, **Carson BS**, Jallo GI: Effect of Antibiotic-Impregnated Shunt Catheters in Decreasing the Incidence of Shunt Infection in the Treatment of Hydrocephalus. *J Neurosurg*, 103(2 Suppl):131-136, 2005.
108. Komotar RJ, Mocco J, **Carson BS**, Sughrue ME, Zacharia BE, Sisti AC, Canoll PD, Khandji AG, Tihan T, Burger PC, Bruce JN: Pilomyxoid Astrocytoma: a Review. *Neurosurgery*, 56(1):191, 2005

Publications (cont'd)

109. Lee J, Jallo GI, Guarnieri M, **Carson BS**, Penno MB: A Novel Brainstem Tumor Model: Guide Screw Technology with Functional, Radiological, and Histopathological Characterization. *Neurosurg Focus*, 18(6A):E11, 2005.
110. Hourani R, Horska A, Albayram S, Brant LJ, Melhem E, Cohen KJ, Burger PC, Weingart JD, **Carson BS**, Wharam MD, Barker PB: Proton Magnetic Resonance Spectroscopic Imaging to Differentiate between Nonneoplastic Lesions and Brain Tumors in Children. *J Magn Reson Imaging*, 23(2):99-107, 2006.
111. Ain MC, Shirley ED, Pirouzmanesh A, Hariri A, **Carson BS**: Postlaminectomy Kyphosis in the Skeletally Immature Achondroplast. *Spine*, 31(2):197-201, 2006.
112. Bagley CA, Pindrik JA, Bookland MJ, Camara-Quintana JQ, **Carson BS**: Cervicomedullary Decompression for Foramen Magnum Stenosis in Achondroplasia. *J Neurosurg*, 104 (3 Suppl):166-72, 2006.
113. Lee J, Jallo GI, Penno MB, Gabrielson KL, Young GD, Johnson RM, Gillis EM, Rampersaud C, **Carson BS**, Guarnieri M: Intracranial Drug-Delivery Scaffolds: Biocompatibility Evaluation of Sucrose Acetate Isobutyrate Gels. *Toxicol Appl Pharmacol*, 2006.
114. Jallo GI, Volkov A, Wong C, **Carson BS Sr**, Penno MB: A Novel Brainstem Tumor Model: Functional and Histopathological Characterization. *Childs Nerv Syst*, [Epub ahead of print], 2006.
115. Ahn ES, Bookland M, **Carson BS**, Weingart JD, Jallo GI: The Strata Programmable Valve for Shunt-Dependent Hydrocephalus: The Pediatric Experience at a Single Institution. *Childs Nerv Syst*, [Epub ahead of print], 2006.
116. Jallo GI, Becker M, Liu YJ, **Carson BS Sr**, Guarnieri M: Local Infusion Therapy in the Monkey Brainstem: Technical Considerations - ump.com. *Surg Technol Int*, 125:311-316, 2006.
117. Gallia GL, Rand V, Siu IM, Eberhart CG, James CD, Marie SK, Oba-Shinjo SM, Carlotti CG, Caballero OL, Simpson AJ, Brock MV, Massion PP, **Carson BS Sr**, Riggins GJ: PIK3CA Gene Mutations in Pediatric and Adult Glioblastoma Multiforme. *Mol Cancer Res.*, 4(10):709-14, 2006.
118. Schkrohowsky JG, Hoernschemeyer DG, **Carson BS**, Ain MC: Early Presentation of Spinal Stenosis in Achondroplasia. *J Pediatr Orthop*, 27(2):119-122, 2007.
119. Scuibba DM, Noggle JC, Marupudi NI, Bagley CA, Bookland MJ, **Carson BS Sr**, Ain MC, Jallo GI: Spinal Stenosis Surgery in Pediatric Patients with Achondroplasia. *J Neurosurg*, 106(5 Suppl):372-8, 2007.
120. Scuibba DM, Lin LM, Woodworth GF, McGirl MJ, **Carson B**, Jallo GI: Factors Contributing to the Medical Costs of Cerebrospinal Fluid Shunt Infection Treatment in Pediatric Patients with Standard Shunt Components Compared with those in Patients with Antibiotic Impregnated Components. *Neurosurg Focus*, 22(4):E9, 2007.
121. Milstone AM, Dick J, **Carson B**, Siberry GK: Cerebrospinal Fluid Penetration and Bacteriostatic Activity of Linezolid against Enterococcus Faecalis in a Child with a Ventriculoperitoneal Shunt Infection. *Pediatric Neurosurg*, 43(5):406-9, 2007.
122. Mudinger GS, Rozen SM, **Carson B**, Greenberg RS, Redett RJ: Full-Thickness Forehead Burn Over Indwelling Titanium Hardware Resulting from an Aberrant Intraoperative Electrocautery Circuit. *Eplasty*, November 20;8:e1, 2007.
123. McGirt MJ, Buck DW 2nd, Scuibba D, Woodworth GF, **Carson B**, Weingart J, Jallo G: Adjustable vs Set-Pressure Valves Decrease the Risk of Proximal Shunt Obstruction in the Treatment of Pediatric Hydrocephalus. *Childs Nerv Syst*, 23 (3):289-95, 2007. (E-pub 2006).
124. McGirt MJ, Atiba A, Attenello FJ, Wasserman BA, Dato G, Gathinji M, **Carson B**, Weingart JD, Jallo GI: Correlation of Hindbrain CSF Flow and Outcome After Surgical. *Childs Nerv Syst*, **2008 Jul**; 24(7):833-40. (E-pub 2008 Jan 19).
125. Scuibba DM, Noggle JC, **Carson BS**, Jallo GI: Antibiotic-impregnated Shunt Catheters for the Treatment of Infantile Hydrocephalus. *Pediatr Neurosurg*, **2008**; 44(2):91-6, 2008. (E-pub 2008 Jan 24).
126. Guarnieri M, **Carson BS Sr**, Jallo GI: Catheters for Chronic Administration of Drugs into Brain Tissue. *Methods Mol Biol*, **2008**; 437:109-17.

Publications (cont'd)

127. Fisher PG, Tihan T, Goldthwaite PT, Wharam MD, **Carson BS**, Weingart JD, Repka MX, Cohen KJ, Burger PC: Outcome Analysis of Childhood Low-Grade Astrocytomas. *Pediatr Blood Cancer*, **2008 Aug**; 51(2):245-50.
128. McGirt MJ, Attenello FJ, Atiba A, Garcés-Ambrossi G, Dato G, Weingart JD, **Carson B**, Jallo GI: Symptom Recurrence after Suboccipital Decompression for Pediatric Chiari I Malformation: Analysis of 256 Consecutive Cases. *Childs Nerv Syst*, **2008 Nov**; 24(11):1333-9. (E-pub 2008 May 31).
129. Attenello FJ, McGirt MJ, Atiba A, Gathinji M, Dato G, Weingart J, **Carson B**, Jallo GI: Suboccipital Decompression for Chiari Malformation-Associated Scoliosis: Risk Factors and Time Course of Deformity Progression. *J Neurosurg Pediatrics*, **2008 Jun**; 1(6):456-60.
130. McGirt MJ, Attenello FJ, Dato G, Gathinji M, Atiba A, Weingart JD, **Carson B**, Jallo GI: Intraoperative Ultrasonography as a Guide to Patient Selection for Duraplasty after Suboccipital Decompression in Children with Chiari Malformation Type 1, *J Neurosurg Pediatrics*, **2008 Jul**; 2(1):52-7.
131. Komotar RJ, Zacharia BE, Sughrue ME, Mocco J, **Carson BS**, Tihan T, Otten ML, Burger PC, Garvin JH, Khandji AG, Anderson RC: Magnetic Resonance Imaging Characteristics of Pilocyctic Astrocytoma. *Neurol Res*, **2008 Nov**; 30(9):945-51. E-pub 2008.
132. Attenello FJ, McGirt JH, Gathinji M, Dato G, Atiba A, Weingart J, **Carson B**, Jallo GI: Outcome of Chiari-associated Syringomyelia after Hindbrain Decompression in Children: Analysis of 49 Consecutive Cases. *Neurosurgery*, **2008 June**; 62(6):1307-13; discussion 1313.
133. Attenello FJ, McGirt MJ, Garcés-Ambrossi GL, Chaichana KL, **Carson B**, Jallo GI: Suboccipital Decompression for Chiari I Malformation: Outcome Comparison of Duraplasty with Expanded Polytetrafluoroethylene Dural Substitute Versus Pericranial Autograft. *Childs Nerv Syst*, **2009 Feb**; 25(2):183-90. (Epub 2008 Sep 4).
134. Parker SL, Attenello FJ, Scuibba DM, Garcés-Ambrossi GL, Ahn E, Weingart J, **Carson B**, Jallo GI: Comparison of Shunt Infection Incidence in High-Risk Subgroups Receiving Antibiotic-impregnated Versus Standard Shunts. *Childs Nerv Syst*, **2009 Jan**; 25(1):77-83; discussion 85.
135. Samdani AF, Torre-Healy A, Khalessi A, McGirt M, Jallo GI, **Carson B**: Intraventricular Ganglioglioma: A Short Illustrated Review. *Acta Neurochir (Wien)*, Epub ahead of print, **2009 Mar 17**.
136. Shakur SF, McGirt MJ, Johnson MW, Burger PC, Ahn E, **Carson BS**, Jallo GI: Angiocentric Glioma: A Case Series. *J Neurosurg Pediatr*, **2009 Mar**; 3(3):197-202.
137. Samuels R, McGirt MJ, Attenello FJ, Garcés Ambrossi GL, Singh N, Solakoglu C, Weingart JD, **Carson BS**, Jallo GI: Incidence of Symptomatic Retethering After Surgical Management of Pediatric Tethered Cord Syndrome With or Without Duraplasty. *Child Nerv Syst*, **2009 Sept**; 25(9):1085-9. (Epub ahead of print May 6)

Books and Book Chapters

1. **Carson BS**: The Evaluation and Treatment of the Head Injured Child. In: Long, DM ed. Current Therapy in Neurological Surgery. B.C. Decker, Inc., 1985.
2. Heffez D, **Carson BS**: Congenital Hydrocephalus. In: Johnson R, ed. Current Therapy in Neurologic Diseases. B.C. Decker, Inc., 1986.
3. Davis R, **Carson BS**: Management of Pediatric Head Trauma. In: Rogers M, ed. Textbook of Pediatric Intensive Care, Williams & Wilkins, 649-499, 1987.
4. **Carson BS**: Neurologic and Neurosurgical Approaches to Cancer Pain. In: McGuire D and Yarbro C, eds. Cancer Pain Management. Grune & Stratton, Inc., 1987.
5. **Carson BS**, Winfield J, Wang H, Reid C, McPherson R, Kopits S: Surgical Management of Cervico-Medullary Compression in Achondroplastic Patients. In eds: Nicoletti B, Kopits S, Ascani E, McKusick V: Human Achondroplasia: A Multi-disciplinary Approach. Plenum Publishing Corp., New York, 1988.
6. **Carson BS**: Posterior Fossa Ependymoma. In: Long DM, ed. Current Therapy in Neurological Surgery. B.C. Decker, Inc., 1988.

Books and Book Chapters (cont'd)

7. **Carson BS**, Price J: Craniofacial Neoplasia. In: Long DM, ed. Current Therapy in Neurological Surgery. B.C. Decker, Inc., 1988.
8. **Carson BS**: Cerebellar Astrocytoma. In: Long DM, ed. Current Therapy in Neurological Surgery. B.C. Decker, Inc., 1988.
9. **Carson BS**: Medulloblastoma. In: Long DM, ed. Current Therapy in Neurological Surgery. B.C. Decker, Inc., 1988.
10. **Carson BS**, Johns M: Radical Extirpation of Paranasal Sinus Cancer. In: Long DM, ed. Atlas of Operative Neurosurgical Technique. Volume I: Cranial Operations. Williams and Wilkins, 364-370, 1988.
11. **Carson BS**, Freeman J: Hydrocephalus. In: Nelson, N, ed. Current Therapy in Neonatal/Perinatal Medicine: 2 B.C. Decker, Inc., 245-247. 1990.
12. **Carson BS**, Co-Author Murphey C: Gifted Hands: The Ben Carson Story. Zondervan/Harper-Collins, 1990.
13. **Carson BS**: Pediatric Neurosurgery. In Ed: Neville B: Current Opinion in Neurology and Neurosurgery. Vol 3, No. 3, 1991.
14. Dufresne CR, **Carson BS**, Zinreich J: New Horizons. In: Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 543-547, 1992.
15. **Carson BS**, Dufresne CR: Surgical Complications. In: Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 467-487, 1992.
16. **Carson BS**, Dufresne CR: Craniosynostosis and Neurocranial Asymmetry. In: Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 167-194, 1992.
17. Shermak MA, **Carson BS**, Dufresne CR: Issues in Craniofacial Surgery. In: Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 137-150, 1992.
18. **Carson BS**, Dufresne CR: Patient-Family Counseling and Education. In: Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 131-135, 1992.
19. Dufresne CR, **Carson BS**, Zinreich J, ed. Complex Craniofacial Problems: A Guide to Analysis and Treatment, Churchill-Livingston Inc., 1992.
20. Aryanpur J, Dean MJ, Rogers MC, Debrun GM, **Carson BS**: Cerebrovascular Disease and Vascular Anomalies. In: Rogers, M., ed. Textbook of Pediatric Intensive Care, Williams and Wilkins, Second Edition, 858-876, 1992.
21. **Carson BS**, Co-Author Murphey C: THINK BIG: Unleashing Your Potential for Excellence. Zondervan/Harper-Collins, 1992.
22. Dufresne CR, **Carson BS**: Craniomaxillofacial Deformities. In: Ira D. Papel and Nathan E. Nachlas eds. Facial Plastic and Reconstructive Surgery. Mosby Year Book, Inc., 520-531, 1992.
23. **Carson BS**: Neurosurgical Complications. In Ed: Eisele D: Complications of Head and Neck Surgery. BC Decker, Inc. 1993.
24. Vander Kolk CA, **Carson BS**: Lambdoid Synostosis. In: Craig A. Vander Kolk, Guest Editor. Clinics in Plastic Surgery, Craniofacial Surgery. W.B. Sanders Co., Vol. 21, No. 4, 575-584, 1994.
25. Vining EPG, Freeman JM, **Carson BS**: Hemispherectomy. In: Allen R. Wyler and Bruce P. Hermann, eds. The Surgical Management of Epilepsy, Butterworth-Heinemann, 146-154, 1994.
26. **Carson BS**, Francomano C, Lauer JA, Hurko O: Management of Achondroplasia and Its Neurosurgical Complications. In: Henry H. Schmidek and William H. Sweet, eds. Operative Neurosurgical Techniques: Indications, Methods and Results. 3rd ed. W.B. Sanders, Co., Vol 2, Chapter 169, 2107-2118, 1995.
27. Fisher PG, **Carson BS**: Childhood Brain Tumors. In: RT Johnson and JW Griffin, eds. Current Therapy in Neurologic Disease, 5th ed. Mosby Year Book, Inc., 1996.

Books and Book Chapters (cont'd)

28. Singer HS, **Carson BS**: Treatment of Hydrocephalus. RT Johnson and JW Griffin, eds. Current Therapy in Neurologic Disease, 5th ed. Mosby Year Book, Inc., 1996.
29. Tasker RC, **Carson BS**, Deshpande JK: Head Trauma Chapter 8. In: DG Nichols, M Yaster, D Lappe and A Haller, eds. Golden Hour, The Hand Book of Advanced Pediatric Life Support, 2nd ed. Mosby Year Book, Inc., 1996.
30. **Carson BS**, Zuckerberg, AL: Hemispherectomy. In: Neurosurgical Operative Color Atlas. American Association Neurological Surgeons, Lebanon, New Hampshire, 1997.
31. Manson PN, Vander Kolk CA, **Carson BS**: Craniofacial Deformities, Chapter 7 in Manual of Internal Fixation in the Cranio-Facial Skeleton, J Prein (ed), Springer-Verlag Berlin Heidelberg, 1998.
32. **Carson BS**, Sponseller PD, Guarnieri M: Congenital Spine Anomalies, Chapter 21 in Principles and Practices in Pediatric Neurosurgery, Albright, Pollack, Adelson (eds), Thieme Pub., New York, 1999.
33. **Carson BS**, Co-Author Lewis G: The Big Picture: Getting Perspective on What's Really Important in Life. Zondervan/Harper-Collins, 1999.
34. **Carson BS**, Francomano C, Rigamonti D, Hurko O: Management of Achondroplasia and Its Neurosurgical Complications. In: Henry H. Schmidek and William H. Sweet, eds. Operative Neurosurgical Techniques: Indications, Methods and Results. 4th Ed. W.B. Saunders Co., Vol. 2, 1999.
35. Avellino AA, **Carson BS**: Increased Intracranial Pressure, in Current Management in Child Neurology, BL Maria, Editor, B.C. Decker, pp 481-486, New York, 2002.
36. **Carson BS**, Guarnieri M: Ependymoma, Chapter 58 in Youmans Neurological Surgery, 5th Ed., HR Winn, Editor, WB Saunders Co., Philadelphia, 2004.
37. Vander Kolk C, **Carson BS**, Guarnieri M: Craniomaxillofacial Deformities, Chapter in Facial Plastic and Reconstructive Surgery, 2nd Ed., I.D. Papel et al, Editors, Thieme, New York, 2003.
38. **Carson BS**, Rigamonti D, Haroun RR: Achondroplasia and Other Dwarfism, Chapter 213 in Youmans Neurological Surgery, 5th Ed., H.R. Winn, Editor, WB Saunders Co., Philadelphia, 2004.
39. Avellino AM, **Carson BS**: Increased Intracranial Pressure, Chapter 86 in Current Management in Child Neurology, 3rd Ed., BL Maria, Editor, BC Decker Inc., Hamilton, London, 2005.
40. **Carson BS**: Craniosynostosis, Chapter 1 in Treatment of Pediatric Neurological Disorders, Singer, Kossoff, Hartman & Crawford, Editors, Taylor & Francis, London, 2005.
41. **Carson BS**, Jallo GI: Hemispherectomy: What is the Best Surgical Approach?, Controversies in Epilepsy Surgery, Miller/Silbergeld (eds.), Chapter XI-31, Taylor & Francis Publisher, New York, pp577-581, 2006.
42. Anderson WS, James C, **Carson BS**: Trigeminal, Glossopharyngeal, and Geniculate Neuralgias, In: Encyclopedia of Pain, Schmidt RE and Willias WD eds. (Springer Verlag, Heidelberg), p. 20, 2006.
43. **Carson BS**, Co-Author Lewis G: Take The Risk: Learning to Identify, Choose, and Live with Acceptable Risk, Zondervan/Harper-Collins, 2008.
44. **Carson BS**: Hemispherectomy, Chapter 69 in Principles and Practice of Pediatric Neurosurgery, 2nd Ed., AL Albright, IF Pollack, PD Adelson, Editors, Thieme Medical Publishers, New York, 2008.
45. **Carson BS**: Chiari Malformations: Decompression Without Duroplasty, Controversies in Pediatric Neurosurgery, Jallo, Kothbauer & Padilla, Editors, Thieme Publishers, New York, In Press.

Book and Article Reviews

1. Pediatric Brain Death and Organ/Tissue Retrieval. Medical, Ethical, and Legal Aspects. Ed. Howard H. Kaufman, M.D. *Journal of Neurosurgery*, Vol. 73, 1990.
2. Craniofacial Anomalies: Growth and Development from a Surgical Perspective. Eds. Goodrich and Hall. *Thieme Medical Publishers*, 1995.

3. Brain Tumors in Children: Principles of Diagnosis and Treatment. 2nd Ed. ME Cohen and PK Duffner. *International Review of Child Neurology*. Raven Press, 1994.
4. The Open Transnasal Approach to the Midline Skull Base. Ed. Mutaz B. Habal, M.D. *Journal of Craniofacial Surgery*. January, 1996.
5. Commentaries on DOC Treatment of Positional Plagiocephaly. *Journal of Craniofacial Surgery*, Vol. 5, No. 3, p. 160, July, 1994.
6. Reviewer for *The Journal of the American Medical Association*
7. Reviewer for the journal of *Pediatric Neurosurgery*
8. Reviewer for *The New England Journal of Medicine*
9. Reviewer for *Neurosurgery*

Invited Review and Editorials

1. Hurting Care and Lives. Henry Brem and Benjamin S. Carson, Sr. *The Washington Post*, Washington, D.C., Editorial Commentary, December 28, 2004, A-19.

Abstracts

1. Grossman S, **Carson BS**, Anderson J, Hilton J, White C, Murray K, Colvin OM: A New Experimental Model for Neuro-Oncology Research Using the Rabbit VX2 Carcinoma. Proceedings of the American Association of Cancer Research. 872(67), 1982.
2. Reid C, Kopits S, **Carson BS**, Pyeritz R: Management of the Respiratory Complications of Achondroplasia. Proceedings of the American Society of Human Genetics, 1985.
3. Strauss LC, Killmond T, Maria B, **Carson BS**, Wharam MD: Initial Chemotherapy for CNS Malignancy in Patients Under Three Years. Proc. Sixth International Conference on Brain Tumor Research and Therapy October, 1985.
4. Strauss LC, Killmond T, Maria B, **Carson BS**, Wharam MD: Primary Chemotherapy with Cisplatin and VP-16 in Children Under 36 Months Old with Brain Tumors. Proceeding of the American Society of Clinical Oncology, May 4-6, 1986.
5. Strauss L, Killmond T, Maria B, **Carson BS**, Wharam H: Initial Chemotherapy with Cisplatin and VP-16 in Children Under 30 Months Old with Malignant Brain Tumors. Proceedings of the XVIII Annual Meeting of the International Society of Pediatric Oncology. Beograd, Yugoslavia. September, 1986.
6. Kim WS, Bronner AJ, Brem H, **Carson BS**, Rosenbaum AE: Improving Ultrasound Intra-operative Localization and Operation of Large, Variegated Lesions: The Stringed Metallic Clip. Presented at the Annual Meeting of the American Society of Neuroradiology, January 23, 1986, San Diego, California. Proceedings Abstract.
7. **Carson BS**, Long DM: Rasmussen's Encephalitis - Surgical Management Revisited. American Association of Neurological Surgeons - Pediatric Section. Scientific Abstracts No. 39, pg. 53, Pittsburgh, Pennsylvania, 1986.
8. **Carson BS**, Maria B, Cafferty L, Singer H, Epstein J: Unusual Presentation of a Widely Metastatic Primary Glial Tumor in a Child with Neurofibromatosis. In: N. Kageyama ed. Proceedings of the First International Symposium on Pediatric Neuro-Oncology, University of Nagoya Press. 1987.
9. Griffin CA, Long PP, Brem H, **Carson BS**, Tamargo RJ, Grossman, SA: Chromosome Abnormalities in Central Nervous System Tumors. Proceedings Abstract, American Association for Cancer Research, 1988.
10. O'Tuama L, Douglas L, Phillips P, Strauss L, Links J, Dannals R, Ravert H, Wilson A, **Carson BS**, Brem H, Wang D, LaFrance N, Wagner H: Maturation of Cerebral Neutral Amino Acids - Accumulation from Childhood to the Adult: A C11 L-Methionine PET Study. Abstract: The Society of Nuclear Medicine 35th Annual Meeting, 1988.
11. Griffin C, Long P, Brem H, **Carson BS**, Tamargo R, Grossman S: Chromosome Abnormalities in Central Nervous System Tumors. American Association for Cancer Research, 1988, Abstract.

12. Brem H, Beaver B, Scherer L, **Carson BS**, Haller J: Neonatal Diagnosis of an Anterior Meningocele in the Presence of Congenital Anal Stenosis and Partial Sacral Agenesis. *L'Association Canadienne De Chirurgie Infantile*. Abstract, 1988.
13. Kopits S, Sigwald H, **Carson BS**, King W, McPherson R, Ascoli M: Management of Terminal Compression Myelopathy of the Cervico-Medullary Junction. *Cervical Spine Research Society 16th Annual Meeting, Key Biscayne, Florida*. 1988.
14. **Carson BS**, Hurko O, Francomano C, Aryanpur J: Foramen Magnum Decompression in Achondroplastic Children. *American Association of Neurological Surgeons - Pediatric Section. Scientific Abstract 13, Pg. 38. Washington, DC*. 1989.
15. Griffin C, Long P, **Carson BS**, Brem H, Grossman S: Cytogenetics of Central Nervous System Tumors: Comparison of Culture Methods and Specific Abnormalities in Pediatric Tumors. *American Society of Human Genetics*. 1989, Abstract.
16. Griffin C, Long P, Brem H, **Carson BS**, Grossman S: Cytogenetics of Central Nervous System Tumors: Specific Abnormalities and Comparison of Culture Methods. *3rd International Workshop on Chromosomes in Solid Tumors*. 1989 Abstract.
17. Phillips P, **Carson BS**, Wharam M, Eggleston J, Robb P, Strauss L, Killmond T, Corden B: Pineal Parenchymal Tumors in Children and Adults: Treatment Results, 1989, Abstract.
18. Phillips P, O'Tuama L, Strauss L, **Carson BS**, Wharam M, Dannals R, Wagner H: C-11 Methionine Positron Emission Tomography in Diagnostic and Treatment Response Evaluations of Childhood Brain Tumors. 1989 Abstract.
19. Tsuchida T, **Carson BS**, Hruben R, Colvin M, Philips P: Immunohistochemical Detection of Glutathione-S-Transferase PI in Brain Tumors. 1990 American Association for Cancer Research Abstract. No. 911.
20. Phillips P, Than T, Hartke C, **Carson BS**, Colvin M, Grochow L: CSF Pharmacokinetics of Intraventricular and Intralumbar 4-Hydroperoxycyclophosphamide in Rabbits. 1990 AACR Abstract No. 912.
21. Phillips P, Black A, **Carson BS**, Brem H, Morelos J, Colvin O: Glutathione-S-Transferase Activity and Glutathione Concentration in Human Brain Tumor Biopsies. 1990 AACR Abstract No. 947
22. Tuma R, Phillips PC, Kaufmann SH, Shaper N, Tano K, **Carson BS**, Colvin OM: Expression of 06-Alkylguanine-DNA Alkyltransferase in Human Brain Tumor Biopsies and Cell Lines. *Annual Meeting of American Association for Cancer Research Proceedings, Vol 32 (359), 1991*. Abstract.
23. Phillips PC, Tuma R, Kaufmann SH, Shaper TN, Tano K, **Carson BS**, Colvin OM: Increased Expression of 06-Alkylguanine-DNA Alkyltransferase MRNA in a BCNU-Resistant Human Brain Tumor Cell Line of Mer-parentage, Vol 32 (358), 1991.
24. Dufresne C, Munro I, **Carson BS**, Manson P: Clinical Applications for the Microfixation Systems in Craniofacial Surgery. *American Society of Plastic and Reconstructive Surgeons*. 1990 Abstract.
25. Tuma R, Phillips PC, Kaufmann SH, Shaper N, Tano K, **Carson BS**, Colvin OM: Expression of 06-Alkylguanine-DNA alkyltransferase in Human Brain Tumor Biopsies and Cell Lines. *Proceedings American Association for Cancer Research*. 1990.
26. Francomano CA, **Carson BS**, Seidler A, James C, Matthews C, Miller D, Roig C, Hurko O: Morbidity and Mortality in Achondroplasia: Efficacy of Prospective Evaluation and Surgical Intervention. *Am J Hum Genet 53(supp):A112, 1993*.
27. Roig C, **Carson BS**, Francomano CA: Smith-Lemli-Opitz Syndrome with Craniosynostosis: Dramatic Cognitive Improvement Following Surgical Repair. *Am J Hum Genet 55(supp):A311, 1994*.
28. Arroyo S, Vining EPG, Pardo C, **Carson BS**, Freeman J: Insular Seizures in Patients with Rasmussen's Syndrome. *Epilepsia 1994; 35:50 (Abstract)*.
29. Zuckerberg AL, Arroyo S, Vining EPG, Freeman JM, **Carson BS**: The Perioperative Management of Children Undergoing Cerebral Hemispherectomy. *Epilepsia, 35:155 (Abstract) 1994*.
30. Vining EPG, **Carson BS**, Brandt J: Hemispherectomy for Rasmussen's Syndrome: Report of 24 Cases. *Epilepsia, 36, Suppl. 3-36, SupS242, 1995*.

31. Christens-Barry WA, Guarnieri M, **Carson BS**: Ho: YAG Laser Technique for Removal of Ventricular Shunt Occlusions in situ. Abstract presented at the 16th Annual Meeting of the American Society for Laser Medicine & Surgery, Inc. April, 1996.
32. Fisher PG, Breiter SN, **Carson BS**, Wharam MD, Williams JA, Weingart JD, Foer DR, Burger PC: A Clinicopathologic Reappraisal of Brainstem Tumor Classification. 7th International Symposium on Pediatric Neuro-Oncology, Washington, D.C., May 18, 1996.
33. Breiter SN, Fisher PG, **Carson BS**, Foer Dr, Wharam MD, Burger PC: Brainstem Tumors in Children: Radiological, Pathological, and Clinical Correlation. American Society of Neuroradiology, Seattle, WA, June, 1996.
34. Fisher PG, Breiter SN, **Carson BS**, Wharam MD, Williams JA, Weingart JD, Foer DR, Burger PC: Abducens Palsy Predicts Pathology and Outcome in Brainstem Gliomas. *Annals of Neurology* 40:335, 1996.
35. Carson, BS: Occipital Plagiocephaly: Standards for Treatment. 25th Annual Meeting of Joint Section on Pediatric Neurological Surgery of the American Association of Neurological Surgeons and Congress of Neurological Surgeons, Charleston, South Carolina. December, 1996.
36. Vining EPG, Freeman JM, Pillas DJ, Pulsifer M, Boatman D, Brandt J, **Carson BS**: Children Up to the Age of 12 Yrs. Will Talk After Left Hemispherectomy. American Epilepsy Society Annual Meeting, 1997.
37. Christens-Barry WA, Guarnieri M, **Carson BS**: Laser Restoration of Flow in Occluded Ventricular Shunts for Pediatric Neurosurgery. Joint Meeting the European Laser Association and the International Biomedical Optics Society. San Remo Italy, September, 1997.
38. Christens-Barry WA, Guarnieri M, **Carson BS**: Containment-Enhanced Ho:YAG Photofragmentation of Soft Tissue. Joint Meeting the European Laser Association and the International Biomedical Optics Society. San Remo Italy, September, 1997.
39. Fisher PG, **Carson BS**, Williams JA, Weingart JD, Wharam MD, Breiter SN, Goldthwaite P, Foer Dr, Burger PC: The Natural History of Childhood Low-Grade Astrocytomas: A Preliminary Analysis. *Annals of Neurology*, 42: 496, 1997.
40. Sampath P, Perry VL, Tebo SA, **Carson BS**: ISG Viewing Wand for Placement of Ventricular Catheters. Abstract poster presentation at the proceedings of Annual Meeting of the American Association of Neurologic Surgeons, Denver, Colorado, 1997.
41. Sampath P, Perry VL, Gates J, **Carson BS**: Astroblastoma: A Unique Neoplastic Entity. Pathological Study of 13 Cases. Abstract poster presentation at the proceedings of Tumor Section of the Annual Meeting of the American Association of Neurological Surgeons and Congress of Neurological Surgeons, Philadelphia, Pennsylvania, April 30 - May 1, 1998.
42. **Carson BS**, Weingart JD, Brem H, Biser-Rohrbaugh, Guarnieri M: Osmotic Pumps for Intracranial Delivery of Anti-Tumor Therapy. Third Annual Brain Tumor Satellite Symposium, Joint Meeting AANS/CNS. Philadelphia, April, 1998.
43. Fisher PG, Tihan T, Goldthwaite PT, Wharam MD, **Carson BS**, Weingart JD, Williams JA, Foer DR, Burger PC: All Childhood Low-Grade Astrocytomas are not the Same: Three Decades Experience at the Johns Hopkins Hospital. *Proceedings of American Society of Clinical Oncology*, 17:534a, 1998.
44. Haroun RI, Guarnieri M, Kraut M, Miller K, Meadow J, **Carson BS**: Current Opinions for the Treatment of Syringomyelia and Chiari Malformations: Survey of the Pediatric Section of the American Association of Neurological Surgeons. Annual Meeting of the American Society of Pediatric Neurosurgeons. Nevis, West Indies, January, 1999.
45. Zumpano MP, **Carson BS**, Marsh JL, Vanderkolk CA, Richtsmeier JT: Three-Dimensional Morphological Analysis of Isolated Metopic Synostosis. The Johns Hopkins School of Medicine, Department of Cell Biology and Anatomy, Baltimore, Maryland. *Anat. Rec.*, October, 1999.
46. A. Khan, Y. J. Liu, M. Guarnieri, B. S. Carson Sr., G. Jallo: Safety and Distribution of Local Delivery Doxorubicin in a Rodent Glioma Model, Am. Assoc. Neurological Surgeons Meeting, Orlando, FL, 2004.

47. Cirak B, Horska A, Barker PB, Burger PC, **Carson BS**, Avellino AM: *Proton Magnetic Resonance Spectroscopic Imaging in Pediatric Pilocytic Astrocytoma*. American Society of Neuroradiology 41st Annual Meeting. Washington, D.C., 2003. Oral Presentation.
48. McGirt M, Attenello F, Chaichana KL, Weingart JD, **Carson BS**, Jallo GI: Duraplasty versus Cranial Decompression Alone Reduces Treatment Failure for Pediatric Chiari 1 Patients with Tonsil Herniation Caudal to C1 but Does Not Effect Outcome in Patients with Tonsil Herniation Rostral to C1, Accepted for presentation, CNS Annual Meeting Oral Platforms, San Diego, CA, 2007.
49. McGirt M, Attenello F, Chaichana KL, Weingart J, **Carson BS**, Jallo GI: Clinical and Radiological Predictors of Treatment Failure after Suboccipital Decompression for Pediatric Chiari 1 Malformation: Analysis of 279 Consecutive Cases. Accepted for presentation, CNS Annual Meeting Oral Platforms, San Diego, CA, 2007.
50. McGirt M, Woodworth GF, Chaichana KL, Attenello F, **Carson BS**, Jallo GI: Ventricular Dilation Is Not a Reliable Measure of Acute Shunt Failure in Children Having Undergone Multiple Shunt Revisions. Accepted for presentation, CNS Annual Meeting Oral Platforms, San Diego, CA, 2007.

Academic Activities and Grants

1981 - 1982	Institutional Research Grant Projects Committee of the Johns Hopkins University Supported by the National Institutes of Health - Bethesda, Maryland - \$6,000
1984-1987	Intra-arterial Chemotherapy for Primary Cerebral Malignancies (Co-Investigator)
1985	The Johns Hopkins Brain Imaging Research Center Program Project, Grant Proposal (Co-Investigator)
1985-1988	Cisplatinium, ARA-C and VP-16 in Relapsed Pediatric Brain Tumors (Co-Investigator)
1985-1988	Positron Emission Tomography of Pediatric Brain Tumor Patients (Co-Investigator)
1985-1989	Pre-Irradiation Combination Chemotherapy for Young (<3 y.o.) Children with Newly Diagnosed Malignant Central Nervous System Tumors (Co- Investigator)
1986-1988	Direct Application of Corticosteroids to Brain Tumors in Rabbits via an Implantable Osmotic Infusion Pump - Andrew Mellon Fellowship - \$ 30,000 - (Principal Investigator)
1986-1987	Johns Hopkins Neuro-Oncology Program Project Grant Proposal (Co-Investigator)
1987-1988	Compassionate use of Gadolinium DTPA/DIMEGLUMINE for MRI Imaging in Patients with Radiologically Incompletely Defined Cerebral Lesions - Phase III (Co-Investigator)
1988	Sustained Release Polymer Therapy for Cerebral Gliomas (Co-Investigator)

1988-1989	Phase II Study of Trimetrexate (NSE 352122) in Pediatric Patients with Recurrent Brain Tumors (Co-Investigator)
1988-1991	Phase I Study of Intrathecal 4-Hydroperoxycyclophosphamide (4-Hc) (Co-Investigator)
1988-Present	Neurological Complications of Human Achondroplasia (Co-Investigator of Clinical Study)
1989-1992	The Respiratory Effects of Intrathecal Morphine in Pediatric Patients (Co-Investigator)
1989	Factors Influencing Cellular Resistance to Chemotherapeutic Agents (Co-Investigator)
1989	Phase II Study of Continuous Infusion BCNU Cisplatin and Cranial Irradiation for High Grade Gliomas (Co-Investigator)
1990	Metabolic (AVD02) and Blood Flow Changes Induced by Hyperventilation in Acute Cerebral Injury (Co-Investigator)
1991-Present	Pediatric Oncology Group (POG) 9135 Pre-Radiation Chemotherapy for Children with Supratentorial Malignant Gliomas and Poorly-Differentiated Embryonal Tumors
1991-Present	Development of Non-surgically Uncloggable Ventricular Shunt (Co-Developer)
1991-1993	Cancer Clinical Investigation Research Committee (CCIRC), National Institutes of Health
1992-Present	The Effect of Human Recombinant Erythropoietin on the Infant Prior to Surgery (Co-Investigator)
1996	Transcranial Doppler Flow in Children with Brain Compression Secondary to Skull Deformities (Co-Investigator)
1996	Drug Delivery to Brainstem Gliomas via an Implantable and Programmable Pump (Phase 1) - Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$81,830 - (Principal Investigator)
1997	Drug Delivery to Brainstem Gliomas via an Implantable and Programmable Pump (Phase 2)- Supported by The Children's Cancer Foundation,

Baltimore, Maryland - \$81,830 - (Principal Investigator)

1998 New Approaches to Brain Tumor Therapy in Children Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$101,074 - (Principal Investigator)

1999 New Approaches to Brain Tumor Therapy in Children Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$127,430 - (Principal Investigator)

2000 New Approaches to Brain Tumor Therapy in Children Supported by The Children's Cancer Foundation, Investigator)

2000 The Achondroplasia Project
Children's Miracle Network
Johns Hopkins Children's Center, Baltimore, Maryland - \$ 50,000 - (Principal Investigator)

2001 Toxicity of Intracranial Drug Delivery in Laboratory Animals Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$ 163,394 - (Principal Investigator)

2001 Carboplatin Toxicology Study in Cynomolgus Monkeys
Supported by the DURECT Corporation, Cupertino, California - \$ 113,164 - (Principal Investigator)

2002 Toxicity of Intracranial Drug Delivery in Laboratory Animals
Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$230,681 - (Principal Investigator)

2003 New Approaches to Brain Tumor Therapy in Children
Supported by The Children's Cancer Foundation, Baltimore, Maryland -\$120,788 - (Principal Investigator)

2004 Small Molecule Screens for Inhibitors of Malignant Pediatric Gliomas
Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$120,000 - (Co-Investigator)

2005 Small Molecule Screens for Inhibitors of Malignant Pediatric Gliomas
Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$120,000 - (Co-Investigator)

2006 Small Molecule Screens for Inhibitors of Malignant Pediatric Gliomas

	Supported by The Children's Cancer Foundation, Baltimore, Maryland - \$120,000 - (Co-Investigator)
2007	Small Molecule Screens for Inhibitors of Malignant Pediatric Gliomas Supported by The Children's Cancer Foundation, Baltimore, Maryland – \$65,000 – (Co-Investigator)
2008	Small Molecule Screens for Inhibitors of Malignant Pediatric Gliomas Supported by The Children's Cancer Foundation, Baltimore, Maryland – \$100,000 – (Co-Investigator)

Major Lectures (Representative Selection)

1. Neuroanatomy and Neurophysiology: Australian Association of ICU Nurses. Perth, Western Australia, April, 1984.
2. Neuro-Oncology Advances: Surgical Grand Rounds at St. Agnes Hospital, Baltimore, Maryland, January, 1985.
3. Advanced Pediatric Life Support Course: Pediatric Head Trauma. The Johns Hopkins University School of Medicine, Baltimore, Maryland (twice annually).
4. Imaging of the Central Nervous System: Surgical Grand Rounds at the Johns Hopkins Hospital, Baltimore, Maryland, March, 1985.
5. Neurosurgical Control of Cancer Pain. Presented at the National Cancer Conference, Daytona Beach, Florida, March, 1985. (Invited Speaker)
6. Pediatric Neuro-Oncology: Pediatric Grand Rounds at the Johns Hopkins Hospital, Baltimore, Maryland, April, 1985.
7. Unusual Pediatric Glioma. Presented at the International Symposium on Pediatric Neuro-oncology, Toba, Japan, November, 1985.
8. Tumors of the Anterior Skull Base: Concerns of the Neurosurgeon. Presented at: Skull Base Tumor Conference, Baltimore, Maryland, February, 1986. (Invited Speaker)
9. CNS Effects on the Cardio-pulmonary System. The Maryland Cardio-pulmonary Society. Baltimore, Maryland, April, 1986.
10. The Surgical Management of Cervico-Medullary Compression in Achondroplastic Patients. Presented at the First International Conference on Human Achondroplasia. Rome, Italy, November, 1986. (Invited Speaker)
11. Trigeminal Neuralgia and Sequelae of Therapy -- Medical and Surgical Interventions. Third Annual Clinical Update for Nurse Practitioners. Baltimore, Maryland, 1986. (Invited Speaker)
12. Surgery for Intractable Seizures: Surgical Grand Rounds at the Johns Hopkins Hospital, Baltimore, Maryland, January, 1987.
13. Surgery for Intractable Seizures: The Child with Epilepsy. The Epilepsy Symposium, Hyatt Regency, Baltimore, Maryland, May, 1987.
14. Pediatric Seizures -- The Surgical Alternative when Medical Intervention Fails. Fourth Annual Clinical Update for Nurse Practitioners. Baltimore, Maryland, 1987. (Invited Speaker)
15. Technical Advances in Neurosurgery. New York Medical Center, Westchester County, New York, February, 1988.
16. Intracranial Venous Anatomy. Presented to First Year Medical Students at Loma Linda University, Loma Linda, California, March, 1988.
17. Supratentorial Gliomas. Presented at the Pediatric Neurosurgery Update Conference. Sponsored by Loma Linda Medical School, San Bernadino, California, March, 1988.

18. Separation of Craniopagus Siamese Twins. Presented at the Pediatric Neurosurgery Update Conference. Sponsored by Loma Linda Medical School, San Bernadino, California, March, 1988.
19. Pediatric Neurosurgery. Presented to Student National Medical Association of the University of Pittsburgh. Spring, 1988.
20. Educational and Scientific Excellence. Presented to Rotary International. Hamilton, Bermuda, November, 1988.
21. Medical Success and Social Responsibility. Presented on Martin Luther King Day at Washington University School of Medicine, St. Louis, Missouri, January, 1989.
22. Craniopagus Siamese Twins. Presented at Jefferson Medical College, March, 1989, Philadelphia, Pennsylvania.
23. Ethical Issues in Pediatric Neurosurgery. SUNY Buffalo School of Medicine, Buffalo, New York, April, 1989.
24. Scientific and Medical Careers. SSS, Yale University, New Haven, Connecticut, April, 1989.
25. Cerebral Hemispherectomy for Intractable Seizures, Hospital, St. Thomas, Virgin Islands, May, 1989.
26. Hemispherectomy for Intractable Seizures. St. Thomas, U.S. Virgin Islands, May, 1989.
27. Advances in Pediatric Neuro-Oncology. Hospital, Spokane, Washington, May, 1989.
28. Cerebral Hemispherectomy. Neurosurgical Grand Rounds, University of Michigan, School of Medicine, Ann Arbor, Michigan, June, 1989.
29. The Physician's Role in Curing Social Ills. Honors Convocation Address for University of Michigan School of Medicine, Ann Arbor, Michigan, June, 1989.
30. The Essence of Being a Physician. 1st Year Class, Johns Hopkins School of Medicine. Baltimore, Maryland, November, 1989.
31. Foramen Magnum Decompression in Achondroplastic Children. 15th Annual Meeting of the American Association of Neurological Surgeons Pediatric Section. Washington, DC, November, 1989.
32. Pediatric Neurosurgery. University of Maryland, College Park, Maryland, January 10, 1990
33. Aspects of Pediatric Neurosurgery. California State University, Carson, California, February 8, 1990.
34. Pediatric Neurosurgery. Johns Hopkins University, Neuroscience Lecture, May 1, 1990.
35. Craniofacial Surgery, Johns Hopkins University Surgical Grand Rounds, May 5, 1990.
36. Being a Doctor, Johns Hopkins University, School of Medicine, Ethics and Medical Care Course, 1st Year Medical Students, January, 1991.
37. Pediatric Neurological Trauma, University of Maryland Shock Trauma Unit, Baltimore, Maryland, 1991
38. Treatment of Hydrocephalus. Johns Hopkins Neuroradiology Conference, Baltimore, Maryland, April, 1991.
39. Brainstem Tumors. Johns Hopkins University Surgical Grand Rounds, Surgical Management, Baltimore, Maryland, April, 1991.
40. Brainstem Tumors. Columbia-Presbyterian Hospital Neurosurgery Grand Rounds, Columbia University, New York, May, 1991.
41. Syringomyelia and Chiari Malformations, Congress of Neurological Surgeons Annual Meeting, Orlando, Florida, September, 1991.
42. New Techniques in Neurosurgery. National Health and Science Reporters Conference, Johns Hopkins University, School of Medicine, Baltimore, Maryland, October, 1991
43. Minority Health Care in America. National Black Health Study Group, Annual National Health Symposium, Las Vegas, Nevada, December, 1991.
44. Weingart & Carson, Cerebral Hemispherectomies, Pediatric Section on American Association of Neurological Surgeons, Boston, Massachusetts, December, 1991.
45. Zeidman S, Ducker T, Sponseller P, and Carson B: Pediatric Spinal Cord Concussion: Redefining the Entity and Therapeutic Ramifications. American Association of Neurological Surgeons, Pediatric Section, Boston, Massachusetts, December, 1991.

46. The Physician and Society. Johns Hopkins University, School of Medicine, 1st & 2nd Year Medical Students, February, 1992.
47. Keynote Address, Black History Month Program, National Institutes of Health, Bethesda, Maryland, February, 1992.
48. Brainstem Tumors. 45th Annual Hale-McMillan Lecture, Meharry School of Medicine, Nashville, Tennessee, April, 1992.
49. Pediatric Trends, Treatment of Post-hemorrhagic Hydrocephalus, Johns Hopkins University, Baltimore, Maryland, April, 1992.
50. Surgical Management of Brainstem Tumors. Charles Drew University, School of Medicine, Los Angeles, California, June, 1992.
51. Surgeons as Role Models, National Medical Association, San Francisco, California, 1992.
52. Management of Neonatal Hydrocephalus. International Neonatal Conference. Panag, Malaysia, 1993.
53. Cerebral Hemispherectomy for Intractable Seizures. American Association of Neurological Surgeons. Boston, Massachusetts, 1993.
54. Aspects of Craniofacial Surgery. American Society of Pediatric Neurosurgeons. Virgin Islands, U.S., 1993.
55. Pediatric Trends, Craniosynostosis: Diagnosis and Management. Johns Hopkins University, School of Medicine, Baltimore, Maryland, April, 1994.
56. Management of Intracranial Pressure. Pediatric Surgery Grand Rounds. Johns Hopkins Hospital, 1994.
57. Issues Regarding Health Care Reform. New York Academy of Science, New York, New York, 1994.
58. Cranial Base Surgery. Joint Grand Rounds, University of Michigan School of Medicine, Ann Arbor, Michigan, 1994.
59. AOA Lecture, Vanderbilt University School of Medicine, 1994.
60. Pediatric Trends, Neonatal Hydrocephalus. Johns Hopkins University, School of Medicine, Baltimore, Maryland, April, 1995.
61. Management of Pediatric Head Trauma. Pediatric Trauma Grand Rounds, Johns Hopkins, Baltimore, Maryland, 1995.
62. Developing a Sense of Excellence in Children. National Black Child Development Institute, Inc., Washington, DC, 1995.
63. Developing Compassionate Physicians. State University of New York White Coat Ceremony, 1995.
64. Humanism in Medicine. Robert Wood Johnson School of Medicine, Piscataway, New Jersey, 1995.
65. Being Handicapped is All in Your Head. Spina Bifida Association of America, Washington, DC, 1995.
66. Tomorrow's Physicians: American Association of Medical Colleges. Washington, DC, 1995.
67. Physicians as Role Models: American Academy of Plastic and Reconstructive Surgeons Annual Meeting. San Diego, California, 1995.
68. Craniosynostosis. Neurosurgery Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland, 1996.
69. Giant Congenital Nevocellular Nevus Overlying An Encephalocele: A Case Report and Literature Review. Presented at the PSEF/ASTHMA Conference Craniofacial Surgery: State of the Art Symposium in New York, New York, March, 1996.
70. Aspects of Pediatric Neurosurgery. University of Missouri, Kansas City, Missouri, 1996.
71. Neurosurgical and Social Implications of Social Irresponsibility. Presented at the Indiana Minority Health Coalition Conference, Indianapolis, Indiana, 1996.
72. Neurosurgery and Society. Walter Reed Army Medical Center, Washington, DC 1996.
73. Medicine is Still Great. Medical College of South Carolina Symposium, 1996.
74. White Coat Ceremonies. Presented at the Annual Meeting of the American Association of Medical College, Washington, DC, 1996.
75. Pediatric Neuro-Oncology. Presented at the Institute for Ministry to the Sick, Johns Hopkins University, Baltimore, Maryland, 1996.

76. Science and Society. Presented at the Mini Medical School sponsored by the NIH, Washington, DC, 1996.
77. Doctors as Humanists. Presented at the Western Division of the American Association of Medical Colleges, Pacific Grove, California, 1996.
78. Unusual Neuro-Oncological Problems. Department of Neurosurgery, Boston Children's Hospital, Boston, Massachusetts, 1996.
79. Managed Care From a Care Giver's Perspective. 5th Annual Convocation, National Black Health Study Group, New York City, New York, 1996.
80. Treatment of CNS Malignancies. Cancer Institute Symposium, Loma Linda University, Loma Linda, California, March, 1997.
81. Neurosurgical Advances in the Management of Pediatric Brain Tumors. Gulf Coast Cancer Symposium, Society of Therapeutic Radiology and Oncology for the Gulf Coast (STRONG), Biloxi, Mississippi, April, 1997.
82. Optic and Anterior Hypothalamic Gliomas. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
83. Neuroaxis Anomalies: Tethered Cord. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
84. Hydrocephalus: Intrauterine Diagnosis and Treatment. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
85. Rationale for Early Surgical Treatment in Pediatric Epilepsy. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
86. Encephaloceles. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
87. Pediatric Posterior Fossa Tumors. VII Brazilian Congress of Neurosurgery, Goiânia, Goiás, Brazil, September, 1997.
88. Pediatric Seizure Surgery. Annual Meeting of the Congress of Neurological Surgeons, New Orleans, Louisiana, October, 1997.
89. Craniostenosis – Current Management. Department of Surgery Grand Rounds, Georgetown University Medical Center, Washington, DC, January, 1998.
90. Brain Stem Tumors. Noon Conference, Department of Pediatrics, University of Florida, College of Medicine, Gainesville, Florida, January, 1998.
91. Craniofacial Management of Common Craniofacial Problems. Pediatric Grand Rounds, Department of Pediatrics, University of Florida, College of Medicine, Gainesville, Florida, January, 1998.
92. Pediatric Epilepsy Surgery (What did Napoleon & Handel Have in Common?). Pediatric Grand Rounds, Fairfax Hospital for Children, Falls Church, Virginia, April, 1998.
93. Skeletal Dysplasias Management. Breakfast Seminar, Annual Meeting of the American Association of Neurological Surgeons, Philadelphia, Pennsylvania, April, 1998.
94. Head and Neck Vascular Anatomy: Clinical Correlation Course. 1st year medical students, Johns Hopkins University School of Medicine, Baltimore, Maryland, January, 1998 and December, 1998.
95. Physician and Society Lecture Series. 2nd year medical students, Johns Hopkins University School of Medicine, Baltimore, Maryland, February, 1998 and January, 1999.
96. Skeletal Dysplasias: Management Guidelines - Neurosurgery. 1st International Congress on Genetics in Neuroscience, Terni, Italy, July, 1998.
97. Craniopagus: Surgical Management. National Medical Association, Annual Convention & Scientific Assembly, New Orleans, Louisiana, August, 1998.
98. The Developing Brain: What is Research Telling us about the Early Development of a Child's Brain and Why is it Important? A Progress Report on Brain Research Presented by the Dana Alliance for Brain Initiatives, Capitol Hill, Washington, DC, March, 1998.
99. Affirmative Action Panelist. Just The Beginning Foundation Convention/Damon J. Keith Law Collection of African-American Legal History, Detroit, Michigan, September, 1998.
100. Management of Asymptomatic Chiari Malformations. Annual Meeting of the American Society of Pediatric Neurosurgeons, Nevis, West Indies, January, 1999.

101. Management of Pediatric Brain Tumors. University of Louisville, Louisville, Kentucky, February, 1999.
102. Pediatric Brain Tumors: Clinical Evaluation. Pathology Grand Rounds, Department of Pathology, Hematology Division, Johns Hopkins Medical Institutions, Baltimore, Maryland, February, 1999.
103. Meet the Professor. Department of Neurosurgery/Neurology, St. Louis University, School of Medicine, St. Louis, Missouri, May, 1999.
104. Surgical Management of Brainstem Lesions and Hypothalamic/Optic Gliomas. 10th Venezuelan Neurosurgical Congress, Caracas, Venezuela, May, 1999.
105. Surgical Management of Craniofacial Deformities. 10th Venezuelan Neurosurgical Congress, Caracas, Venezuela, May, 1999.
106. Cerebral Hemispherectomy for Intractable Seizures. 10th Venezuelan Neurosurgical Congress, Caracas, Venezuela, May, 1999.
107. Assessment and Management of Shunt Malfunction. 10th Venezuelan Neurosurgical Congress, Caracas, Venezuela, May, 1999.
108. Acute Shunt Malfunction. International Conference in Neurological and Neurosurgical Emergencies, Johns Hopkins University, Baltimore, Maryland, June, 1999.
109. Another View of Managed Health Care. National Association of Managed Care Regulators, Charleston, South Carolina, November, 1999.
110. Surgical Management of Epilepsy in Children. Congress of Neurological Surgeons, General Session, Boston, Massachusetts, 1999.
111. Hemispherectomies: Living With Half a Brain Not Half a Life. Monumental City Medical Society, Baltimore, Maryland, January, 2000.
112. Aspects of Pediatric Neurosurgery. A. Clifford Barger Hinton-Wright Lecture, Harvard Medical School, Boston, Massachusetts, May, 2000.
113. Complex Pediatric Neuro-Oncological Problems. Neurosurgery Resident's Clinical Conference, University of Mississippi Medical Center, School of Medicine, Jackson, Mississippi, June, 2000.
114. Aspects of Pediatric Epilepsy Surgery. Grand Rounds, Department of Pediatrics, University of Mississippi Medical Center, School of Medicine, Jackson, Mississippi, June, 2000.
115. Pediatric Epilepsy. Annual Meeting of the Congress of Neurological Surgeons, San Antonio, Texas, September, 2000.
116. Craniosynostosis: Controversies in Treatment. Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September, 2002.
117. Symptom Resolution with Cervicomedullary Decompression for Chiari Malformations. Annual Meeting of the Congress of Neurological Surgeons, Denver, Colorado, October, 2003.
118. Never Give Up. Trigeminal Neuralgia. Annual Conference of the Trigeminal Neuralgia Association, Jefferson University Hospital, Philadelphia, Pennsylvania, October, 2005.
119. Professional Approach to Diversity. Lecture to 2nd Year Medical Students, Johns Hopkins University School of Medicine, Baltimore, Maryland, January, 2006.
120. Physician Assisted Suicide. Provonsha Lecturer, Loma Linda University, Loma Linda, California, March, 2006.
121. Craniopagus: Lessons Learned. Stanford Neurosurgery Grand Rounds, Stanford University Medical Center, Stanford, California, March, 2006.
122. Management of Craniosynostosis. Montgomery/Prince Georges Pediatric Society Meeting. Rockville, Maryland, May, 2006.
123. Surgical Management of Trigeminal Neuralgia. ENT Department, Johns Hopkins University, Baltimore, Maryland, May, 2006.
124. Becoming An Adult: Taking Charge of Your Life and Your Care. Hydrocephalus Association Meeting, Baltimore, Maryland, May, 2006.
125. Surgery for Craniopagus Twins. Pediatric Grand Rounds, Washington University School of Medicine at St. Louis, St. Louis, Missouri, June, 2006.
126. Neonatal Intraventricular Hemorrhage. Neurosurgery Grand Rounds, Department of Neurosurgery, Johns Hopkins School of Medicine, Johns Hopkins University, Baltimore, Maryland, October, 2006.

127. Neurovascular Anatomy of the Brain. Lecture to 1st Year Medical Students, Johns Hopkins University School of Medicine, Baltimore, Maryland, December, 2006.
128. Bioethics Today. The S. Rexford Kennamer M.D. Distinguished Lecture Series, University of Alabama, Montgomery, Alabama, February, 2007.
129. Neurosurgery Teaching Rounds. Yale Medical School, Yale University, New Haven, Connecticut, March, 2007.
130. The Healing Arts: How Are They Changing? Medical Student Council Perspectives on Medicine Series, Yale Medical School, Yale University, New Haven, Connecticut, March, 2007.
131. Craniopagus: Lessons Learned. Department of Neurological Surgery, Seattle Children's Hospital, University of Washington School of Medicine, Seattle, Washington, April, 2007.
132. Why Are Our Brains So Complex? Voyage & Discovery Lecture Series, Johns Hopkins University, Homewood Campus, Baltimore, Maryland, April, 2007.
133. Urgent Pediatric Neurosurgical Problems. Neurosurgery Grand Rounds, Department of Neurosurgery, Johns Hopkins School of Medicine, Johns Hopkins University, Baltimore, Maryland, August, 2007.
134. Does Compassion Influence Bioethical Decisions? Edmund D. Pellegrino Endowed Lecture in Clinical Ethics, Department of Surgery, Georgetown University Hospital, Georgetown University, Washington, D.C., November, 2007.
135. Benefits of Taking Risks. Combined Departments Grand Rounds, Greenville Hospital System University Medical Center, Greenville, South Carolina, 2008.
136. Physicians As Healers of Society. Faculty Educational Enrichment and Development Series, Greenville Hospital System University Medical Center, Greenville, South Carolina, 2008.
137. Difficult Pediatric Neuro-Oncology Problems: "Never Give Up". 7th Annual International Neuro-Oncology Updates Conference, Johns Hopkins Medicine, Baltimore Marriott Waterfront Hotel, Baltimore, Maryland, 2008.
138. Surgical Management of Epilepsy. Pediatric Specialists of Northeast Florida, Baptist Medical Center/Wolfson Children's Hospital, Jacksonville, Florida, 2008.
139. The Ultimate Translation of Knowledge. American Institute for Medical and Biological Engineering (AIMBE) 18th Annual Event, National Academy of Sciences and the J.W. Marriott, Washington, D.C., 2009.
140. Rewards and Consequences of Risky Pediatric Neurosurgery. Distinguished Lectureship Series, Walt Disney Pavilion at Florida Hospital for Children, Orlando, Florida, 2009.
141. Diagnosis and Treatment of Trigeminal Neuralgia. Joint Meeting of Maryland Constituents of American College of Dentists and International College of Dentists, Sheraton Baltimore-North Hotel, Towson, Maryland, 2009.

Licenses

- | | |
|------|-----------------------------------------------|
| 1978 | Diplomate-National Board of Medical Examiners |
| 1983 | Maryland State Medical License |
| 1983 | Medical License - Western Australia |

Board Certification

- | | |
|------------|-------------------------------------------------------|
| 1982, 1988 | American Board of Neurological Surgery
- Certified |
| 1997 | American Board of Pediatric Neurological Surgery |

Other Certification

Microsurgical Techniques
The Johns Hopkins University

School of Medicine

Institutional Administrative Appointments

1985-1989	Johns Hopkins University School of Medicine Admissions Committee
1992	Search Committee Director of Pediatric Neurology
1995	Search Committee Chairman of Internal Medicine
1996	Search Committee Dean of the School of Medicine
1998-1999	Search Committee Director of Anesthesia/Critical Care Medicine
1998-Present	LCME Subcommittee IV: Educational Program for MD Program
2003-2004	Search Committee, Director of Urology

Professional Societies

1982 - Present	American Association for the Advancement of Science
1984 - Present	Monumental Medical Society
1985 - Present	National Pediatric Oncology Group
1986 - Present	National Medical Association
1989 - Present	American Association of Neurological Surgeons
1989 - Present	Congress of Neurological Surgeons
1989 - Present	Maryland Neurological Society
1991 - Present	Alpha Omega Alpha National Medical Honor Society
1991 - Present	Governor's Drug and Alcohol Abuse Commission
1991 - Present	American Medical Association
1996 - Present	Dana Alliance for Brain Initiatives
1998 - Present	Pediatric Section, American Association of Neurological Surgeons
1998 - 2007	American Society of Pediatric Neurosurgeons

2008 – Present American Cleft Palate-Craniofacial Association

Advisory Committees

1987 - Present Medical Advisory Board of the
Children’s Cancer Foundation

1985-Present Pediatric Surgery Advisory Board
Johns Hopkins Medicine

Honorary Degrees

1988 Doctor of Science Degree
Gettysburg College
Gettysburg, Pennsylvania

1989 Doctor of Science Degree
North Carolina A&T University
Greensboro, North Carolina

1989 Doctor of Science Degree
Andrews University
Berien Springs, Michigan

1989 Doctor of Humane Letters
Sojourner Douglas College
Baltimore, Maryland

1990 Doctor of Science Degree
Shippensburg University
Shippensburg, Pennsylvania

1990 Doctor of Science Degree
Jersey City State College
Newark, New Jersey

1992 Doctor of Science Degree
Southwestern Adventist College
Keene, Texas

1992 Doctor of Science Degree
University of Massachusetts
Boston, Massachusetts

1993 Doctor of Science Degree
Marygrove College
Detroit, Michigan

1994 Doctor of Science Degree
University of Detroit-Mercy
Detroit, Michigan

1994 Doctor of Science Degree
Spalding University
Louisville, Kentucky

Honorary Degrees (cont'd)

1994	Doctor of Science Degree Western Maryland College Westminster, Maryland
1994	Doctor of Science Degree Morgan State University Baltimore, Maryland
1994	Doctor of Science Degree Long Island University Brooklyn, New York
1994	Doctor of Humane Letters North Carolina State University Raleigh, North Carolina
1995	Doctor of Science Degree Tuskegee University Tuskegee, Alabama
1996	Doctor of Medical Science Yale University New Haven, Connecticut
1996	Doctor of Humane Letters Delaware State University Dover, Delaware
1997	Doctor of Medical Science Medical University of Southern Africa Medunsa, South Africa
1997	Doctor of Humane Letters GMI Engineering & Management Institute Flint, Michigan
1997	Doctor of Science Degree University of Delaware Newark, Delaware
1998	Doctor of Science Degree College of William and Mary Williamsburg, Virginia
2000	Doctor of Science Degree Ursinus College Collegeville, Pennsylvania
2000	Doctor of Science Degree Washington College Chestertown, Maryland
2001	Doctor of Humane Letters Xavier University New Orleans, Louisiana

Honorary Degrees (cont'd)

2002	Doctor of Humane Letters Albright College Reading, Pennsylvania
2002	Doctor of Laws Bethune-Cookman College Daytona Beach, Florida
2003	Doctor of Science Rensselaer Polytechnic Institute Troy, New York
2003	Doctor of Humane Letters Niagara University Niagara, New York
2003	Doctor of Science Rutgers University, New Brunswick, New Jersey
2003	Doctor of Humane Letters Degree Rush University, School of Medicine Chicago, Illinois
2003	Doctor of Science University of South Carolina Columbia, South Carolina
2003	Doctor of Humane Letters Briarwood College Southington, Connecticut
2004	Doctor of Science University of District of Columbia Washington, DC
2004	Doctor of Humane Letters Spelman College Atlanta, GA
2004	Doctor of Humane Letters College of Notre Dame Baltimore, MD
2004	Doctor of Laws Philadelphia College of Osteopathic Medicine Philadelphia, Pennsylvania
2004	Doctor of Science University of Maryland University College Adelphi, Maryland
2005	Doctor of Science University of Notre Dame Notre Dame, Indiana

Honorary Degrees (cont'd)

2005	Doctor of Science Villa Julie College Baltimore, Maryland
2005	Doctor of Science Florida International University Miami, Florida
2006	Doctor of Science University of Richmond Richmond, Virginia
2006	Doctor of Science Meharry Medical College Nashville, Tennessee
2007	Doctor of Science Lincoln University Lincoln University, Pennsylvania
2007	Doctor of Science Columbia University New York, New York
2007	Doctor of Science St. Louis University St. Louis, Missouri
2007	Doctor of Science Indiana Wesleyan University Marion, Indiana
2008	Doctor of Science University of Southern Alabama Mobile, Alabama
2008	Associate Arts Degree Houston Community College Houston, Texas
2008	Doctor of Science Marquette University Milwaukee, Wisconsin
2008	Doctor of Science Berea College Berea, Kentucky
2009	Doctor of Humane Letters Wiley College Marshall, TX
2009	Doctor of Science Bloomfield College Bloomfield, New Jersey

Selective Major National Print Media Articles (cont'd)

1987	Honorary Chairperson Maryland Red Cross Baltimore, Maryland
1987	Citation for Excellence Michigan State Senate
1987 - 1989	Regional Red Cross Cabinet Honorary Chairman
1988 - Present	Commencement Speaker at Multiple Educational Institutions
1988	Partner in Health Award The Maryland Health Convocation
1988	Outstanding Achievements in Medicine Award Howard University Alumni Club of Baltimore, Maryland
1988	Highest Public Service Award Alpha Kappa Alpha
1988	Clinical Practitioner of the Year Award National Medical Association, Region II
1988	Honorary Life Membership: The Maryland Congress of Parents and Teachers, Inc.
1988	Paul Harris Fellow: Rotary International
1988	Certificate of Honor for Outstanding Achievement in the Field of Medicine National Medical Fellowship, Inc.
1988	Recipient of the American Black Achievement Award in the Business and Professions Category Hollywood, California
1988	Outstanding Achievement Award AFRAM Festival Baltimore, Maryland
1989	American Cancer Society Institutional Grant Review Committee awarded \$10,000 for Project entitled: "Biochemical Mechanisms of Resistance to Alkylating Agents in Pediatric and Adult Brain Tumors" (Co-Principal Investigator)
1989	Dr. Daniel Hale Williams Award Presented by the Student National Medical Association, Jefferson Medical College Philadelphia, Pennsylvania

Selective Major National Print Media Articles (cont'd)

- 1989 Outstanding Service and Excellence
in Medicine Award Presented by The
Medical Society of Eastern Pennsylvania
- 1989 Appreciation Award
Presented by Penns Grove-Carneys Point
Regional Board of Education, Pennsylvania
- 1989 Outstanding Achievement Award
Presented by Philadelphia 2000
- 1989 Extraordinary Achievement Award
Presented by Greensboro Medical Society
- 1989 Achievement Award
Presented by Maryland State Department of Health
and Mental Hygiene
- 1989 Champions of Courage Award
Presented by Baltimore Gas & Electric
Company and WBFF-TV Fox 45
Baltimore, Maryland
- 1989 Achievement Award
The Links Inc.
Columbia, Maryland Chapter
- 1989 Distinguished Achievement Award
Lambda Kappa Mu Sorority, Inc.
Iota Chapter
- 1989 Key to the City of Charlotte
Presented by Councilwoman
Charlotte, North Carolina
- 1989 Andrew White Medal
Loyola College
Baltimore, Maryland
- 1989 Key to the City of Greensboro
Presented by the Mayor
Greensboro, North Carolina
- 1989 Citation by the House of Representatives
Commonwealth of Pennsylvania
- 1989 Achievement Award
North Carolina A& T University
- 1989 Elected to Who's Who
Among Black Americans
- 1989 Elected to Who's Who in America
- 1989 Maynard Lecturer

Selective Major National Print Media Articles (cont'd)

- Morehouse School of Medicine
Atlanta, Georgia
- 1989 Recipient of the “Candle” Award for
Science and Technology sponsored by
Morehouse College
Atlanta, Georgia
- 1989 Man of the Decade - Field of Medicine
presented by Howard University
Washington, DC
- 1989 Visiting Professor
Department of Neurosurgery
University of Michigan School of Medicine
Ann Arbor, Michigan
- 1989 Honors Convocation Speaker
University of Michigan School of Medicine
Ann Arbor, Michigan
- 1989 Leonard F. Swain
Esteemed Alumni Award
University of Michigan
- 1990 Heartfelt Appreciation Award
Baltimore Council for Self-Esteem
Baltimore, Maryland
- 1990 Booker T. Washington Award
Business League of Baltimore, Maryland
- 1990 Certificate of Appreciation
Yale University Academic Mentorship
Program in the Sciences
New Haven, Connecticut
- 1991 Annual Alpha Omega Alpha Address
Johns Hopkins University
School of Medicine
- 1991 “Benjamin S. Carson Day”
by Mayor Robert Ingram on January 22
Opa-locka, Florida
- 1991 Certificate of Merit
State of Michigan
- 1991 Induction into the “Great Blacks
in Wax” Museum
Baltimore, Maryland
- 1991 Keynote Address - Mayor’s Prayer
Breakfast
City of San Francisco
San Francisco, California

Selective Major National Print Media Articles (cont'd)

1991	National Man of the Year Award Frank Loris Peterson Society of Adventist Men Columbus, Ohio
1991	Commendation - City of Los Angeles by Mayor Tom Bradley
1991	State of Michigan Special Tribute
1991	Benjamin E. Mays Memorial Award North Carolina State University
1991	“Benjamin S. Carson Day” in Lynwood, California by Mayor Robert Henning February 19, 1991 Lynwood, California
1991	Dolley Madison Award Washington, DC
1991	National Council of Negro Women Special Recognition Award for Distinguished Scholarship and Humanitarian Service
1991	Visiting Professor Department of Neurosurgery Columbia University College of Physicians and Surgeons New York, New York
1991	Hampton University Honors Day Speaker Hampton, Virginia
1991	African American Male Excellence Award for Medical Achievement presented by the 175th Baltimore Annual Conference - African Methodist Episcopal Church Baltimore, Maryland
1991	Dollar and Sense Par Excellence Award Chicago, Illinois
1991	First Inductee Southwestern High Schools’ “Wall of Fame” Detroit, Michigan
1991	Establishment of the Benjamin S. Carson Scholarship Program at the University of Massachusetts, Boston
1991	Chancellor’s Medallion

Selective Major National Print Media Articles (cont'd)

	University of Massachusetts Boston, Massachusetts
1991	Key to the City of Fayetteville Fayetteville, North Carolina
1991	Blackbook's Humanitarian Award Chicago, Illinois
1991	Key to the City of Grand Rapids Grand Rapids, Michigan
1992	"Benjamin S. Carson Day" in Nashville, declared on February 8, 1992 by Mayor Philip Bredesen
1992	Mayor's Citation City of Baltimore Presented by Mayor Kurt Schmoke Baltimore, Maryland
1992	Harvard Society of Black Scientists and Engineers Certificate of Honor
1992	Living Legend Award Acadiana Chapter of the National Medical Association of Louisiana
1992	Appreciation Award National Association for Equal Opportunity in Higher Education Washington, DC
1992	Telly Awards, First Place Los Angeles, California
1992	First Annual Edward J. Mason, Jr. Lectureship, Howard University Hospital Washington, DC
1992	State of Tennessee's Outstanding Achievement Award
1992	Key to the City of Salisbury Presented by the Mayor Salisbury, Maryland
1992	Percy Julian Lecturer Michigan Technological University Houghton, Michigan
1992	Certificate of Appreciation Cosmos Club Baltimore, Maryland
1992	Mission Award

Selective Major National Print Media Articles (cont'd)

	Maryland Public Television Baltimore, Maryland
1992	Honorary Arkansas Traveler Governor Bill Clinton Secretary of State Bill McCven
1992	Pioneer of Excellence Award Job Corps Center Grand Rapids, Michigan
1992	William E. Matory Award Surgical Section, National Medical Association for Contributions in Neurosurgery
1992	Keynote Speaker 45th Annual Hale-McMillan Lecture Meharry School of Medicine Nashville, Tennessee
1993	Excellence in Leadership Virginia Power and The Black History Museum & Cultural Center of Virginia Richmond, Virginia
1993	George Washington Carver Award Philadelphia, Pennsylvania
1993	Special Recognition Award for Exemplary Achievements in the Field of Medicine The Liberty Medical Center Baltimore, Maryland
1993	Certificate of Appreciation Cosmos Club Washington, DC
1993	“Benjamin S. Carson Day” Lancaster, Massachusetts
1993	Renaissance Award Fulwood Foundation Baltimore, Maryland
1993	Expert in Residence Kellogg Corporation Battle Creek, Michigan
1993	“Benjamin S. Carson Day” and Keys to the City of Montgomery, Alabama
1993	American Spirit Award United States Air Force Recruiting Services
1993	John Conley Scholar

Selective Major National Print Media Articles (cont'd)

	by the American Academy of Otolaryngology Head & Neck Surgeons St. Paul, Minnesota
1993	Trumpet Award Turner Broadcasting Atlanta, Georgia
1993	National Hero Award Cheeseborough-Ponds, Inc. New York, New York
1994	Annual Alpha Omega Alpha Address Vanderbilt University, School of Medicine Nashville, Tennessee
1994	Essence Award New York, New York
1994	Krause Lecturer University of Michigan School of Medicine Ann Arbor, Michigan
1994	Citation of the State Senate State of Connecticut
1994	Horatio Alger Award Horatio Alger Society of Distinguished Americans Washington, DC
1994	Martin Luther King, Jr. Award for Community Service The Johns Hopkins Hospital Baltimore, Maryland
1994	Second Annual Roland E. Scott Lectureship Morehouse School of Medicine Atlanta, Georgia
1994	National Medical Association Excellence in Medicine Award Washington, DC
1994	Appreciation Award from Operation Reachback Nashville, Tennessee
1994	National Black Achiever Award - YWCA Wilmington, Delaware
1994	Appreciation Award from Back-To-School Institute Birmingham, Alabama

Selective Major National Print Media Articles (cont'd)

1995	“Dr. Ben Carson Day” Howard County, Maryland
1995	Tribute from the State of Delaware House of Representatives
1995	Commendation from Representative Sharon Weston and the Louisiana Legislature and House of Representatives Baton Rouge, Louisiana
1995	Mayor’s Citation Baltimore, Maryland
1995	Recognition Award Rochester Institute of Technology Rochester, New York
1995	Golden Plate Award The American Academy of Achievement Williamsburg, Virginia
1995	Keynote speaker Prayer Breakfast for the City of Columbus, Ohio
1995	Keynote speaker Governor’s Prayer Breakfast of Iowa Des Moines, Iowa
1995	Key to the City of Waterloo Waterloo, Iowa
1995	Key to the City of Columbus by Mayor Bobby Peters Columbus, Georgia
1995	Outstanding Community Achievement Award by the Vanguard Justice Society Baltimore, Maryland
1995	Appreciation Award Dr. Martin Luther King Scholarship Breakfast Baltimore, Maryland
1995	Keynote Speaker Henry Ford Health Systems A World of Diversity Conference Detroit, Michigan
1995	Keynote Speaker First Annual Duke/Community Educational Symposium Durham, North Carolina

Selective Major National Print Media Articles (cont'd)

- 1995 Recognition Award
Minority Organization for Pre-Health
Students and Office of Minority Affairs
University of Illinois at Urbana-Champaign
- 1996 Keynote Speaker
National Science Bowl Championships
Washington, DC
- 1996 Medallion of Excellence
by Columbia Union College
Takoma Park, Maryland
- 1996 Whitney M. Young Award
by Baltimore Area Council
Boy Scouts of America
- 1996 Outstanding Contributions Award
by Combined Health Agencies of Maryland
- 1996 THINK BIG Award
by Clara M. Pitts Elementary School
Atlanta, Georgia
- 1996 Service Award
by Baltimore Area Alumni Association
Alpha Phi Omega Fraternity
- 1996 Outstanding Achievement Award
from Anheuser-Busch Company
- 1996 1st Annual IMHOTEP Lecturer
Morehouse College
- 1996 Outstanding Achievement Award presented
by The Congress of Racial Equality
New York, New York
- 1996 Sagamore of the Wabash Award
presented by Governor of Indiana
(Highest State Honor)
- 1996 Key to the City of Indianapolis, Indiana
- 1996 The Carson Institute for Science Research
and Learning, School of Education
University of Pittsburgh
Pittsburgh, Pennsylvania
- 1996 The Dr. Benjamin Carson Honor Suite
Scotland School for Veterans' Children
Scotland, Pennsylvania
- 1996 Guest Speaker
Edwin C. Yoder Honor Lecture

Selective Major National Print Media Articles (cont'd)

	St. Joseph Medical Center Tacoma, Washington
1996	1996 Tetelman Fellow Tetelman Fellowship Lecture Yale University, Jonathan Edwards College New Haven, Connecticut
1996	Guest Speaker Association Médicale Adventiste de Langue Française (French Chapter of the Adventist International Medical Society) Paris/Alsace, France
1997	Keynote Speaker President's National Prayer Breakfast Washington, DC
1997	Keynote Speaker Percy T. Magan Lectureship Alumni Association of Loma Linda University, School of Medicine Loma Linda, California
1997	Keynote Speaker Lorin Stephens Memorial Lecture University of Southern California, School of Medicine Los Angeles, California
1997	Yale Alumni Fellow, Board of Trustees, Yale Corporation, Yale University New Haven, Connecticut
1997	Board of Directors Kellogg Company Battle Creek, Michigan
1997	Guest Examiner American Board of Neurological Surgery Houston, Texas
1998	"Dr. Ben Carson Day" by Mayor Joan Wagnon , March 2, 1998 Kansas State Prayer Breakfast Topeka, Kansas
1998	Brain Research Presentation Dana Alliance for Brain Initiatives Capitol Hill, Washington, DC
1998	Making A Difference Award NAACP, Baltimore Chapter Baltimore, Maryland
1998	Admiral in The Great Navy of the

Selective Major National Print Media Articles (cont'd)

	State of Nebraska by Governor E. Benjamin Nelson Lincoln, Nebraska
1998	Founders Day Speaker Greensboro Chancellorship Citation A & T University Greensboro, North Carolina
1998	Medical Award of Merit/M.D. Global Initiative for Telemedicine Washington, DC
1998	Keynote Speaker American Petroleum Institute Prayer Breakfast San Francisco, California
1998	Tree of Life Award Recipient Jewish National Fund Baltimore, Maryland
1998	Richard Otenasek Award for Teaching Excellence Johns Hopkins Department of Neurosurgery
1999	House Resolution of Honor Maryland House of Delegates Annapolis, Maryland
1999	Senate Resolution of Honor Senate of Maryland Annapolis, Maryland
1999	President's Medal of Excellence Bowie State University Washington, DC
1999	1st Annual Saving the Children Award ABCXXI Child Awareness Program for Poland Washington, DC
1999	Board of Trustees Horizon Foundation of Howard County Columbia, Maryland
1999	Board of Directors Costco Wholesale Corporation Issaquah, Washington
2000	Board of Directors America's Promise Alexandria, Virginia
2000	Living Legend Award Library of Congress Bicentennial

Selective Major National Print Media Articles (cont'd)

	Washington, DC
2000	Public Service Award American Institute for Public Service Washington, DC
2001	Immortal Award Black History Makers Awards Dinner Associated Black Charities Awards New York, New York
2001	Going the Distance Award Morris Brown College Atlanta, Georgia
2001	Board of Directors Maryland African American Museum Corporation, Baltimore Maryland
2001	America's Best in Science & Medicine Time Magazine, August 2001 issue
2001	Walter Sondheim Award Achievement Initiative for Maryland's Minority Students (AIMMS) Council Baltimore, Maryland
2001	Distinguished Service Award National Medical Fellowship, NY, NY
2002	President and Co-Founder, Benevolent Endowment Network Fund Baltimore, Maryland
2002	Soul and Spirit Humanitarian Award U.S. Court of Appeals, 2nd Circuit Detroit, Michigan
2002	U.S. Senate Black Legislative Staff Caucus Award, Washington, D.C.
2002	Board of Directors Baltimore Community Foundation Baltimore, Maryland
2002	House with a Heart Foundation Award Benefit for the Benevolent Endowment Network Fund, Baltimore, Maryland
2002	Distinguished Service to Children Award National Association of Elementary School Principals, San Antonio, Texas
2002	Healing Circle Award, National Medical Association, Honolulu, Hawaii

Selective Major National Print Media Articles (cont'd)

2003	Visionary Award American Society of Associated Executives (ASAE) Foundation, Washington, DC
2003	Board of Directors, American Academy of Achievement, Washington, DC
2003	Board of Directors Regent University Virginia Beach, Virginia
2003	Baltimore's Book of the Year, Gifted Hands Baltimore, Maryland
2003	Ralph Metcalfe Award for Health, Medicine, & Human Services Congressional Black Caucus Washington, D.C.
2003	Medical Award of Excellence Ronald McDonald House Charities Chicago, Illinois
2003	Philanthropists of the Year Award (Along with wife, Candy) National Philanthropy Day Luncheon Association of Fundraising Professionals Baltimore, Maryland
2004	The Mark O. Hatfield Leadership Award Council of Christian Colleges & Universities Arlington, Virginia
2004	Council Member President's Council on Bioethics Washington, D.C.
2004	Keynote Speaker Minnesota State Prayer Breakfast Minneapolis, MN
2005	William E. Simon Award for Philanthropic Leadership New York City, New York
2006	Services to Youth Award 60 th Anniversary of The Links, Inc. Philadelphia, Pennsylvania
2006	Spingarn Award National NAACP Washington, DC
2007	Induction – Society of World Changers Indiana Wesleyan University Marion, Indiana

Selective Major National Print Media Articles (cont'd)

2007	Shaffrey Award Saint Joseph's Medical Alumni Chapter Saint Joseph's University Philadelphia, Pennsylvania
2007	Influential Marylander Award Baltimore, Maryland
2007	Ford Foundation Freedom Scholar Award Charles H. Wright Museum of African American History Detroit, Michigan
2008	Ford's Theatre Lincoln Medal The White House Washington, D.C.
2008	Inaugural Recipient of The Benjamin S. Carson, Sr. & Dr. Evelyn Spiro, R.N. Endowed Chair in Pediatric Neurosurgery
2008	Presidential Medal of Freedom The White House Washington, D.C.
2008	Board of Managers Physician Capital Group Houston, Texas
2008	Marylander of Distinction Award Maryland Life Magazine Baltimore, Maryland
2008	One of "America's Best Leaders" U.S News and World Report Washington, D.C.
2009	Influential Marylanders for 2009 The Daily Record Cockeysville, Maryland

Commencement/White Coat Ceremony Keynote Address

1989	Commencement speaker Loma Linda University School of Medicine Loma Linda, California
1990	Commencement Speaker Morehouse School of Medicine Atlanta, Georgia
1990	Commencement Speaker Shippensburg University Shippensburg, Pennsylvania

Selective Major National Print Media Articles (cont'd)

1990	Commencement Speaker Jersey City State College Jersey City, New Jersey
1991	Commencement Speaker Wayne State University School of Medicine Detroit, Michigan
1992	Commencement Speaker Surgical Specialties Charles Drew University School of Medicine Los Angeles, California
1992	Commencement Speaker Slippery Rock University Slippery Rock, Pennsylvania
1992	Commencement Speaker Southwestern Adventist College Keene, Texas
1992	Commencement Speaker Southwestern University Georgetown, Texas
1992	Commencement speaker University of Massachusetts Boston Campus Boston, Massachusetts
1992	Commencement Speaker University of Cincinnati School of Medicine Cincinnati, Ohio
1993	Commencement Speaker Washington University School of Medicine St. Louis, Missouri
1993	White Coat Ceremony Speaker Columbia University New York, New York
1993	Commencement Speaker Brown University School of Medicine Providence, Rhode Island
1994	Commencement Speaker The Johns Hopkins University Baltimore, Maryland
1996	Commencement Speaker Several Colleges & High Schools
1996	Commencement Speaker Penn State University School of Medicine

Selective Major National Print Media Articles (cont'd)

	Hershey, Pennsylvania
1996	Commencement Speaker Eastern Virginia School of Medicine Norfolk, Virginia
1996	Commencement Speaker Mount Sinai School of Medicine New York, New York
1996	White Coat Ceremony Speaker St. George's University, School of Medicine Grenada, West Indies
1996	White Coat Ceremony Speaker Boston University, School of Medicine Boston, Massachusetts
1996	White Coat Ceremony Speaker University of Utah, School of Medicine Salt Lake City, Utah
1997	Commencement Speaker University of Utah, School of Medicine Salt Lake City, Utah
1997	Commencement Speaker Loma Linda University, School of Medicine Loma Linda, California
1997	Commencement Speaker Loma Linda University, School of Dentistry Loma Linda, California
1998	Commencement Speaker University of Minnesota Medical School Minneapolis, Minnesota
1998	Baccalaureate Services Speaker (Undergraduate and Graduate) Andrews University Berrien Springs, Michigan
1999	Commencement Speaker University of Virginia, School of Medicine Charlottesville, Virginia
1999	Commencement Speaker University of Michigan, School of Medicine Ann Arbor, Michigan
1999	White Coat Ceremony Speaker Howard University, Washington, DC
2000	Commencement Speaker Ursinus College

Selective Major National Print Media Articles (cont'd)

	Collegeville, Pennsylvania
2000	Commencement Speaker University of Delaware Newark, Delaware
2000	Commencement Speaker Boston University, School of Medicine Boston, Massachusetts
2001	Commencement Speaker Xavier University New Orleans, Louisiana
2001	Commencement Speaker Harvard Medical School Harvard School of Dental Medicine Cambridge, Massachusetts
2002	Commencement Speaker Bethune-Cookman College Daytona Beach, Florida
2002	Commencement Speaker LSU Medical School Shreveport, Louisiana
2002	White Coat Ceremony Columbia University New York, New York
2003	Commencement Speaker Rensselaer Polytechnic Institute Troy, New York
2003	Commencement Speaker Niagara University Niagara, New York
2003	Commencement Speaker Rush University, School of Medicine Chicago, Illinois
2003	Commencement Speaker University of South Carolina Columbia, South Carolina
2003	Commencement Speaker Briarwood College Southington, Connecticut
2003	Commencement Speaker St. Louis University St. Louis, Missouri
2003	Commencement Speaker

Selective Major National Print Media Articles (cont'd)

	Loma Linda University Medical School Loma Linda, California
2004	Commencement Speaker Spelman College Atlanta, Georgia
2004	Commencement Speaker University of Maryland University College Adelphi, Maryland
2005	Commencement Speaker Southern Adventist University Collegedale, Tennessee
2005	Commencement Speaker University of Notre Dame Notre Dame, Indiana
2005	Commencement Speaker UMDNJ Robert Wood Johnson Medical School New Brunswick, New Jersey
2006	Commencement Speaker University of Richmond Richmond, Virginia
2006	Commencement Speaker Meharry Medical College Nashville, Tennessee
2006	Commencement Speaker Wright State University Dayton, Ohio
2007	Commencement Speaker Medical College of Georgia Augusta, Georgia
2007	Commencement Speaker St. Louis University School of Medicine St. Louis, Missouri
2007	Commencement Speaker Louisiana State University Health Sciences Shreveport, Louisiana
2007	Commencement Speaker Loma Linda University School of Medicine Loma Linda, California
2007	Commencement Speaker Yale University School of Medicine New Haven, Connecticut
2007	White Coat Ceremony

Selective Major National Print Media Articles (cont'd)

	Johns Hopkins University School of Medicine Baltimore, Maryland
2007	Commencement Speaker University of Texas Medical School Galveston, Texas
2007	Commencement Speaker Dartmouth Medical School Hanover, New Hampshire
2008	Commencement Speaker University of Southern Alabama Mobile, Alabama
2008	Commencement Speaker Houston Community College Houston, Texas
2008	Commencement Speaker Berea College Berea, Kentucky
2009	Commencement Speaker Wiley College Marshall, Texas
2009	Commencement Speaker Lafayette College Easton, Pennsylvania
2009	Commencement Speaker UMass Medical School Worcester, Massachusetts

National Electronic Media Appearance (Representative Selection)

1. Children's Miracle Network Telethon (NBC). Surgery for Rasmussen's Encephalitis. May 30, 1986
2. CBS Evening News: First Intra-uterine Shunting Procedure for a Hydrocephalic Twin. August 23, 1986.
3. CNN, Hemispherectomy Reunion. June, 1987
4. NPR, Hemispherectomy Reunion. July, 1987
5. NBC, CBS, ABC etc. Separation of Siamese Twins. September, 1987
6. Evening Magazine, Syndicated. Hemispherectomies, October, 1987
7. West 57th Street. Hemispherectomies, January, 1988
8. Evening Magazine/PM Magazine. Syndicated. Personal Profile, September, 1988
9. Good Morning America. ABC, Profile, November, 1988
10. American Black Achievement Awards, Syndicated December, 1988
11. CBS Evening News - Profile: "Living The Dream." January, 1989
12. Marilyn McKays Autographs, Syndicated - Profile: February, 1989
13. 20/20 - ABC. Hemispherectomies and Profile. November, 1989
14. It is Written. 1989
15. Crystal Cathedral, "Hour of Power." 1990
16. Black Entertainment Television (BET) Personal Diary. 1991
17. 700 Club, "Gifted Hands." 1991

Selective Major National Print Media Articles (cont'd)

18. Ebony/Jet Showcase. 1992
19. Larry King Live "THINK BIG." 1992
20. Cope, "THINK BIG." 1992
21. 700 Club, "THINK BIG." 1992
22. PBS, "The Storm Within," Seizure Surgery. 1992
23. PBS, "Journey," Education and Peer Pressure. 1992
24. National Hero Awards - Cheeseborough-Ponds. Syndicated October, 1993
25. ABC Evening News, "The Bell Curve," 1994
26. Essence Awards, Fox Network, 1994
27. Horatio Alger Awards, NBC, 1994
28. Heroes, Syndicated Series, 1995
29. Business & Finance, BET, 1995
30. Congress of Racial Equality (CORE), 1996
31. CompuServ: Questions & Answers, 1996
32. Achievement Television, Scientific versus Artistic Creativity, 1996
33. Discover Magazine: Hemispherectomy and Plasticity, 1996
34. NBC Nightly News, "Cerebral Plasticity," 1996
35. Dateline NBC - Cerebral Hemispherectomy, 1998
36. "The Remarkable Journey," Profile with Kwesi Mfume, A & E Network, 1998
37. Crystal Cathedral, "Hour of Power," - Zambian Conjoined Twins, 1998
38. "Pediatric Brain Surgery," The Learning Channel, 1999
39. "The Big Picture," Good Morning America, 1999
40. News Hour with Jim Lehrer, 1999
41. "Hopkins 24/7," ABC News, 2000
42. "Remembering Your Spirit," Oprah Winfrey Show, 2000
43. "CNN Presents," Cable News Network, 2001
44. Armstrong Williams Show, 2001
45. ABC Nightline, 2002
46. NBC Nightly News, 2002
47. Charlie Rose Show, 2002
48. Good Morning America, 2002
49. Stuck On You, Movie cameo appearance, 2003
50. "African American Lives", PBS, 2006
51. "Discovery Times," Discovery Channel, 2007
52. Villa Julie Speaker Series, C-Span, 2007
53. *Take The Risk* Book Party, C-Span, 2008
54. Crystal Cathedral appearance, 2008
55. WBFF-TV Fox 45, 2009
56. "Coffee with Don Scott & Marty Bass, 2009
57. "Beyond the Dream" Segment, Fox News, 2009

Selective Major National Print Media Articles

1. Time
2. Newsweek
3. Ebony
4. Jet
5. Black Enterprise
6. Dollars and Sense
7. United Press International
8. Child
9. People
10. Reader's Digest
11. Guidepost
12. Parade
13. Teacher

Selective Major National Print Media Articles (cont'd)

14. Braniff
15. Woman's Day
16. Family
17. College Digest
18. Possibilities
19. Bunte
20. Ladies Home Journal
21. Current Science
22. Christian Herald
23. Fortune
24. Special Report
25. Vegetarian Times
26. Plus
27. Class
28. Sisters
29. Ebony Man
30. Doctor's Magazine
31. American Health
32. Common Boundary
33. Life
34. US News & World Report
35. Fast Company Magazine
36. Investors Business Daily
37. Life@Work Magazine
38. Philanthropy Roundtable
39. Decision Magazine
40. All Major Newspapers
41. Everyday Matters Magazine
42. Maryland Life Magazine
43. Maryland Family Magazine