

CURRICULUM VITAE

BENJAMIN SOLOMON CARSON, SR.

Current Appointments

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| 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

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| 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 |

Previous Educational and Academic Experience cont'd

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|-------------|--|
| 1978 - 1982 | Assistant Resident Neurosurgical Service The Johns Hopkins Hospital |
| 1980 | Senior Neurosurgical Resident The Loch Raven Veterans Administration Hospital Baltimore, Maryland |
| 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

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|-------------|---|
| 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.
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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.
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.

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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 [¹⁴C] L-methionine PET in Childhood Brain Tumors. *Ped. Neuro.*, 6:3, 163-170, 1988.
15. **Carson B**, Winfield J, Wang H, Reid C, McPherson R, Kopits S, Uematsu S: Surgical Management of Cervicomedullary Compression in Achondroplastic Patients. *Basic Life Sci*, 48:207-214, 1988.
16. 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.
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20. 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.
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22. 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.
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24. 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.
25. 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.
26. 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.
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34. **Carson BS**: Pediatric Neurosurgery. *Curr Opin Neurol Neurosurg*, 4(3):400-405, 1991.
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51. 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.
52. 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.
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58. **Carson BS**, Francomano CA, Hurko O, Rigamonti D: Management of Achondroplasia and its Neurosurgical Complications. *Disorders of the Spine*, 145:1908-1920, 1996.

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59. **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.
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66. 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.
67. 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.
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70. Haroun RI, Khan WL, **Carson BS**, Brem H: Primary Tumors of the Choroid Plexus. *Contemporary Neurosurgery*, 22(3):1-7, February, 2000.
71. **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.
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75. 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.
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77. **Carson BS Sr**: Indications and Outcomes for Lobectomy, Corpus Callosotomy, and Hemispherectomy in Pediatric Neurosurgical Patients. *Clinical Neurosurgery*, 47:385-399, 2000.
78. 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.
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80. Bower DC, Krause TP, Aronson LJ, Barzi A, Burger PC, **Carson BS**, Weingart JD, Wharam MD, Melhem ER, Cohen KJ: Second Surgery for

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- Recurrent Pilocytic Astrocytoma in Children. *Pediatric Neurosurgery*, 34:229-234, 2001.
81. 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.
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86. 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.
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90. Boatman D, Vining EP, Freeman J, **Carson BS**: Auditory Processing Studied Prospectively in Two Hemidecortectomy Patients. *Journal of Child Neurology*, 18(3):228-232, 2003.
91. 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

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- the Pons of Primates: Preliminary Results of Carboplatin Infusion. *Neurosurgery*, 52:1169-1177, 2003.
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93. Freeman JM, **Carson BS Sr**: Management of Infants with Potentially Misshapen Heads, *Pediatrics*, 111 (4 Pt 1:918, 2003.
94. 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.
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99. Komotar RJ, Burger PC, **Carson BS**, Brem H, Olivi A, Goldthwaite PT, Tihan T: Pilocytic and Pilocyxoid Hypothalamic/Chiasmatic Astrocytomas, *Neurosurgery*, 54(1):72-79; discussion 79-80, 2004.
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Abstracts (cont'd)

- 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.

Abstracts (cont'd)

51. Ahn ES, Hoang S, Langhorne O, Liauw J, Henderson J, Jallo GI, **Carson BS**: Congenital Hydrocephalus: Prognosis and Outcomes with Postnatal Shunting. Accepted for presentation, Hydrocephalus 2009, International Society for Hydrocephalus and Cerebrospinal Fluid Disorders Annual Meeting, Baltimore, MD September 17, 2009.

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 | Cisplatinum, 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) |

Academic Activities and Grants (cont'd)

| | |
|--------------|--|
| 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) |

Academic Activities and Grants (cont'd)

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|------|--|
| 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 |

Academic Activities and Grants (cont'd)

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|------|---|
| | 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) |

Academic Activities and Grants (cont'd)

2009

Small Molecule Screen for Inhibitors of
Malignant Pediatric Gliomas
Supported by The Children's Cancer
Foundation, Baltimore, Maryland –
\$95,000 – (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 Encephalocoele: 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. Craniosynostosis – 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.
142. Lessons Learned in Separating Conjoined Twins. Department of Neurosurgery, Eberhard Karls University Hospital of Tübingen, Tübingen, Germany, 2009.
143. Skeletal Dysplasias and their Treatment. Department of Neurosurgery, Eberhard Karls University Hospital of Tübingen, Tübingen, Germany, 2009.
144. Clinical Correlation Lecture on Head and Neck. First Year Medical Students, Center for Functional Anatomy & Evolution, Johns Hopkins School of Medicine, Baltimore, Maryland, 2009.
145. Neurosurgical Implications of Skeletal Dysplasias. Neurosurgery Grand Rounds, Department of Neurosurgery, Johns Hopkins School of Medicine, Johns Hopkins University, Baltimore, Maryland, 2009.
146. Neurosurgical Implications of Achondroplasia. Neurosurgery Grand Rounds, Department of Neurosurgery, Johns Hopkins School of Medicine, Johns Hopkins University, Baltimore, Maryland, 2010.
147. It's Only A Shunt. Neurosurgery Grand Rounds, Department of Neurosurgery, Johns Hopkins School of Medicine, Johns Hopkins University, Baltimore, Maryland, 2010.
148. Rational Risk Taking In Medicine. Surgical Grand Rounds, Department of Surgery, George Washington University, Washington, D.C., 2011.

Licenses

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| 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 |
| 2010 – Present | Institute of Medicine (IOM) of the National Academies |

Advisory Committees

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|----------------|---|
| 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 |

Honorary Degrees (cont'd)

| | |
|------|---|
| | Spalding University Louisville, Kentucky |
| 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 |

Honorary Degrees (cont'd)

| | |
|------|---|
| 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 |
| 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 |

Honorary Degrees (cont'd)

| | |
|------|---|
| 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 |
| 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 |

Honorary Degrees (cont'd)

| | |
|------|---|
| 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 |
| 2009 | Doctor of Science Lafayette College Easton, Pennsylvania |
| 2009 | Doctor of Science University of Massachusetts Medical School Worcester, Massachusetts |
| 2009 | Doctor of Science Old Dominion University Norfolk, Virginia |

Honorary Degrees (cont'd)

| | |
|------|--|
| 2010 | Doctor of Science Oral Roberts University Tulsa, Oklahoma |
| 2010 | Doctor of Science University of Rochester Schools of Medicine & Dentistry Rochester, New York |
| 2010 | Doctor of Humane Letters Mount Saint Mary College Newburgh, New York |
| 2010 | Doctor of Science Thomas Jefferson University School of Medicine Philadelphia, Pennsylvania |
| 2010 | Doctor of Science Randolph-Macon College Ashland, Virginia |
| 2010 | Doctor of Science Howard University Washington, D.C. |

Representative Honors, Awards and Named Lectures

| | |
|------|---|
| 1982 | Cum Laude Award The Radiological Society of North America Awarded for Exhibit at the 68th Annual Scientific Assembly: Brain Tumor Research-Imaging and Therapy Chicago, Illinois |
| 1982 | The Upjohn Achievement Award for Excellence in medicine Awarded to: "The Resident of the Year, The Johns Hopkins Hospital" (Plaque and Cash Award) |
| 1987 | Howard L. Cornish Humanitarian Award Omega Psi Phi Inc. |
| 1987 | Keynote Address |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|----------------|--|
| | Biomedical Careers Program Rutgers University and Robert Wood Johnson Medical School Piscataway, New Jersey |
| 1987 | NAACP - Award for "Stalwarts and Achievers: (Field of Medicine) |
| 1987 | Memorial Award: For Outstanding Service to Underprivileged Children The Continental Societies, Inc. Baltimore Chapter - Baltimore, Maryland |
| 1987 | Detroit Medical Society Achievement Award Detroit, Michigan |
| 1987 | Liberty Bell Award Mayor of Philadelphia Philadelphia, Pennsylvania |
| 1987 | Citation for Excellence Detroit City Council Detroit, Michigan |
| 1987 | Citation for Excellence Philadelphia City Council Philadelphia, Pennsylvania |
| 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| | 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 |
| 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 |

Representative Honors, Awards and Named Lectures (cont'd)

- 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
Morehouse School of Medicine

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|---|
| | 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 |

Representative Honors, Awards and Named Lectures (cont'd)

- 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
- 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

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| | 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 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|---|
| | 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 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|---|
| | 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 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | | |
|------|---|-------------------|
| | 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 | |
| 1995 | “Dr. Ben Carson Day” Howard County, Maryland | |
| 1995 | Tribute from the State of Delaware House of Representatives | |

Representative Honors, Awards and Named Lectures (cont'd)

- 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

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| 1995 | Keynote Speaker First Annual Duke/Community Educational Symposium Durham, North Carolina |
| 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) |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| 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 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 |

Representative Honors, Awards and Named Lectures (cont'd)

- 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
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

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|---|
| 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 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| | 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 |
| 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| | 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 |

Representative Honors, Awards and Named Lectures (cont'd)

| | |
|------|--|
| | Indiana Wesleyan University Marion, Indiana |
| 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 | Premiere of "Gifted Hands: The Ben Carson Story" on TNT |
| 2009 | Influential Marylanders for 2009 The Daily Record Cockeysville, Maryland |

Representative Honors, Awards and Named Lectures (cont'd)

- 2009 Distinguished Alumnus Award
2009 Johns Hopkins Biennial Meeting
Johns Hopkins Hospital Campus
Baltimore, Maryland
- 2009 Chief Marshall
Installation of Ronald J. Daniels as 14th
President of Johns Hopkins University
Homewood Campus
Baltimore, Maryland
- 2010 “Gifted Hands: The Ben Carson Story”
Nominated for “Best Picture Made For
Television”
Critics Choice Awards
- 2010 “Gifted Hands: The Ben Carson Story”
Winner of the Epiphany Prize for
“Best Television Movie”
Movieguide Faith & Values Awards
- 2010 “Gifted Hands: The Ben Carson Story”
Winner of the “Outstanding Television
Movie, Mini-Series, or Dramatic Special”
NAACP Image Awards
- 2010 Elected to the Institute of Medicine (IOM)
Of The National Academies (Advisors to
The Nation on Science, Engineering, and
Medicine)
- 2010 National Veterans Day Concert Narrator
Basilica of the National Shrine of the
Immaculate Conception
Washington, D.C.

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

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|--|
| 1990 | Commencement Speaker Shippensburg University Shippensburg, Pennsylvania |
| 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 |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|--|
| 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 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 |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|---|
| 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 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 |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|--|
| | 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 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 |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|--|
| 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 Johns Hopkins University School of Medicine Baltimore, Maryland |
| 2007 | Commencement Speaker |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|--|
| | 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 |
| 2009 | Commencement Speaker Old Dominion University Norfolk, Virginia |
| 2010 | Commencement Speaker Oral Roberts University Tulsa, Oklahoma |
| 2010 | Commencement Speaker University of Rochester School of Medicine & Dentistry Rochester, New York |
| 2010 | Commencement Speaker Mount Saint Mary College Newburgh, New York |

Commencement/White Coat Ceremony Keynote Address (cont'd)

| | |
|------|---|
| 2010 | Commencement Speaker Washington University in St. Louis School of Medicine St. Louis, Missouri |
| 2010 | Commencement Speaker Bucknell University Lewisburg, Pennsylvania |
| 2010 | Commencement Speaker Thomas Jefferson University School of Medicine Philadelphia, Pennsylvania |
| 2010 | Commencement Speaker Randolph-Macon College Ashland, Virginia |
| 2010 | Commencement Speaker Bunker Hill Community College Boston, Massachusetts |
| 2010 | Opening Convocation Ceremony Speaker Howard University Washington, D.C. |

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
18. Ebony/Jet Showcase. 1992
19. Larry King Live "THINK BIG." 1992
20. Cope, "THINK BIG." 1992
21. 700 Club, "THINK BIG." 1992

National Electronic Media Appearance (Representative Selection) (cont'd)

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

National Electronic Media Appearance (Representative Selection) (cont'd)

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

Selective Major National Print Media Articles (cont'd)

10. Reader's Digest
11. Guidepost
12. Parade
13. Teacher
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

Selective Major National Print Media Articles (cont'd)

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
44. Costco Connection Magazine