

CURRICULUM VITAE

WINSTON CRAIG CLARK, M.D., Ph.D.

CURRENT STATUS: Staff Neurosurgeon, Greenwood- LeFlore Neurosurgery Clinic, Greenwood, MS 38930

CAREER GOALS: A position that would allow use of my considerable clinical experience in patient care and resident education, as well as administrative responsibilities where I could demonstrate talents such as mentoring, team building, and clinical teaching and research.

SPECIAL SKILLS: Complex Spine Surgery, Stereotaxy, Radiosurgery

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BIRTHDATE: September 07, 1949
Harlan, Kentucky

SOCIAL SECURITY NUMBER: (available on request)

MARITAL STATUS: Married (Kathleen)

CHILDREN: Caitlin, Christopher

WORK EXPERIENCE:

1995-2013 President, Neurosurgical Center, Southaven, MS, Memphis, TN

1992-1995 President, Neurosurgical Center of North Georgia, Fort Oglethorpe and Dalton, Georgia

1988-1992 Assistant Professor and Head, Section of Neurosurgical Oncology, Department of Neurosurgery, University of Tennessee, 956 Court Avenue, Room R302, Memphis, Tennessee 38163

Chief, Neurosurgical Service, Department of Surgery, Veterans Administration Medical Center, 1030 Jefferson, Memphis, Tennessee 38163

Co-Director, MemphisJointCenter for Stereotactic Radiosurgery, Department of Radiation Oncology, University of Tennessee, 800 Madison, Memphis, Tennessee38163

Semmes-Murphey Clinic, 920 Madison, Suite 201, Memphis, Tennessee38103

OTHER APPOINTMENTS:

- 1988-1991 Instructor in Neurosurgery Laser Workshops, University of Tennessee, Memphis. Taught the Laser Physics portion of the workshop.
- 1978-1992 President, Mid-South Health Care Consulting Consortium, Memphis, Tennessee. Developed programs primarily for small rural hospitals and clinics related to DRG's, marketing, and joint ventures in ambulatory care. Included grantsmanship and complete program development and implementation.
- 1977-1978 Director, Primary Health Care Center, School of Medicine, Vanderbilt University, Nashville, Tennessee. Created and developed center which served as administrative framework for training programs in General Internal Medicine, General Pediatrics, Preventative and Community Medicine, and Occupational Health Service. Developed computerized Health Hazard Appraisal Program for use in occupational health service.
- 1974-1976 Executive Director, Memphis Health Center, Memphis, Tennessee. Developed grants, staffing and facilities for comprehensive urban community health center which experienced over 150,000 visits per year. Also served as special consultant in Ambulatory Care to Memphis Veterans Administration Hospital and the University of Tennessee, Memphis, Tennessee.
- 1973-1974 Director of Primary Health Care, Lift, Inc., Tupelo, Mississippi. Developed grants, staffing and facilities for 5 county primary care programs utilizing nurse practitioners with physician support.

1972-1973

Administrative Resident, Medical Center of Central Georgia, Macon, Georgia. Reorganized School of Nursing for NLN Accreditation. Developed comprehensive program of outpatient services and assisted with general administration of \$12 million renovation program.

RESEARCH INTERESTS:

Clinical

Multimodality therapy for malignant astrocytomas including interstitial brachytherapy with cis-platinum radiosensitization, stereotactic radiosurgery, and use of a variety of biological response modifiers including IL-2, TGF-beta, and interferon. Participated in clinical trials evaluating BCNU-impregnated wafers for local chemotherapy.

Basic Science

Continuing efforts regarding polypeptide growth factors and their role in growth regulation and control, including biological response modifiers and modulators of osteoinduction. Also work with cytokines and their role in immunomodulation of primary glial tumors. Molecular genetics of primary brain tumors, including deletions and translocations, as well as PDGF and other growth factor receptor modulation and suppression. TGF-beta 1&2 as differentiating agents for stem cell populations, both in osteoinduction and tumor modulation. Stereotactic motion control and computer-based imaging, modeling and robotic control for surgery.

EDUCATION:

Undergraduate

Middle Georgia College, Cochran, Georgia, 1969. Associate of Science in Engineering. Georgia Institute of Technology, Atlanta, Georgia, 1971, Bachelor of Science in Industrial Management.

Graduate/Medical

Georgia State University, Atlanta, Georgia, 1973. Master of Hospital Administration.

University of Mississippi, Oxford, Mississippi, 1975. Doctor of Philosophy in Health Care Administration.

University of Tennessee, Memphis, Tennessee, 1982.
Doctor of Medicine.

HONORS & AWARDS :

Phi Theta Kappa, 1969.
Phi Beta Kappa, 1977.

Resident Research Award. Society for Neurological
Surgery of the Ear and Skull Base, Sarasota, Florida,
1983.

Resident Research Award, First Prize. Southern
Neurosurgical Society, New Orleans, Louisiana, 1984.

Resident Research Award, Honorable Mention. American
Academy of Neurological Surgery, Hot Springs, Virginia,
1984.

Ralph R. Braund Young Investigator Award for
demonstration of great promise and high expectations in
cancer research by the Dorothy Snider Foundation and
the University of Tennessee, Memphis, Tennessee, April
10, 1987.

Resident Research Award, Third Place. Joint CNS-AANS
Tumor Section, American Association of Neurological
Surgeons, Dallas, Texas, May 3-7, 1987.

Clinical Oncology Career Development Award. American
Cancer Society, July, 1988 through June, 1991.

Secretary, Neurosurgery Section, Southern Medical
Assn., 1990-93; Chairman, 1993-96.

Tennessee Representative, Joint Council of State
Neurosurgical Societies, 1996-99.

Regent, International College of Surgeons, 2000-15.

Territorial Regent (Southeast), International College of
Surgeons, 2011-2015.

Vice President, International College of Surgeons, 2007-
2015.

Chairman, Neurosurgery Section, International College of Surgeons, 2000-01.

President, Tennessee Neurosurgical Society, 2000

Interim Chairman, American Academy of Neurological And Orthopedic Surgeons, 2015-2016.

Vice President, American Academy of Neurological and Orthopedic Surgeons, 2010-2012.

President, American Academy of Neurological and Orthopedic Surgeons, 2013-2015

Board of Directors, American Academy of Neurological and Orthopedic Surgeons, 2010-2015.

“Lifetime Achievement Award”, American Academy of Neurological and Orthopedic Surgeons, 2012.

“America’s Top Physicians”, Consumer Research Council, 2004-2015.

Strathmore’s “Who’s Who in American Medicine”, Lifetime Recognition Award.

Strathmore’s “Professional of the Year- Neurosurgery”, 2007.

Internship

Methodist Hospitals, Inc., Memphis, Tennessee 1982-83, Resident in General Surgery (PGY-1). In addition to full clinical responsibilities of PGY-1 year, continued research in Department of Neurosurgery and participated as faculty in workshops designed to instruct practicing surgeons in the use of surgical lasers.

Residency

National Institutes of Health, Bethesda, Maryland 1983-84, Medical Staff Fellow, Surgical Neurology Branch, National Institute of Neurological and Communicative Disorders and Stroke. Learned specialized research techniques such as tissue culture, high performance liquid chromatography, and electron microscopy. Research activities mainly concerned with brain and spinal cord tumor biology and pharmacology, with major interest being polypeptide growth factors and differentiation, immunological methods of drug and toxin delivery to

tumors, the pharmacology and pharmacokinetics of intra-arterial chemotherapy, and ricin-monoclonal antibody immunotoxins for brain tumor therapy.

University of Tennessee, Memphis, Tennessee 1984-87, Resident in Department of Neurosurgery.

Molecular Resource Center of the Department of Microbiology and Immunology, University of Tennessee, Memphis, Tennessee, 1987-88, Research Fellowship. Full time devoted to research training in recombinant DNA methodology in the S. cerevisiae model. Also included use of E. coli models and techniques of plasmid preps, sequencing, and transformations.

University of Tennessee, Department of Neurosurgery, Memphis, Tennessee, 1987-88, Resident. Continued to serve as senior resident in the department with clinical duties consisting primarily of a regular rotation providing on-call coverage for the neurosurgical services at Elvis Presley Memorial Trauma Center, LeBonheur Children's Hospital, and the Veteran's Administration Medical Center.

FrenchayHospital, Department of Neurosurgery, Bristol, United Kingdom; March, 1988 through June, 1988. Locum Senior Registrar. Served as senior registrar in district neurosurgical service with clinical duties consisting of neurosurgical procedures and patient care.

Postgraduate
Massachusetts Institute of Technology, Sloan School of Management, Cambridge, Massachusetts, 1976. Special Fellowship (Computer modeling of health care delivery systems, summer only).

MILITARY SERVICE None.

BOARD CERTIFICATION Diplomate, American Board of Neurological Surgery;
Diplomate, American Board of Pain Medicine;
Diplomate, American College of Physician Executives
Diplomate, American College of Healthcare Executives

MEDICAL LICENSURE Tennessee License #MD 14839
Maryland #D 29009 (inactive)

Mississippi	#	11948
Georgia	#	035395 (inactive)

SOCIETY MEMBERSHIPS

Fellow, American Association of Neurological Surgeons
 Fellow, American College of Surgeons
 Fellow, International College of Surgeons
 Fellow, American College of Health Care Executives
 Fellow, Royal Society of Health
 American Academy of Neurological and Ortho Surgeons
 Congress of Neurological Surgeons
 American Academy of Pain Management
 American College of Physician Executives
 Southern Neurosurgical Society
 Joint Council of State Neurosurgical Societies(TN rep)
 North American Spine Society
 AO Spine North America
 Joint Section on Tumors (AANS/CNS)
 Joint Section on Pain (AANS/CNS)
 Joint Section on Trauma and Critical Care (AANS/CNS)
 Joint Section on Cerebrovascular Disease (AANS/CNS)
 Society of Neuro-Oncology
 Tennessee Neurosurgical Society
 Mississippi Neurosurgical Society
 Editor, Journal of Neurological and Orthopedic Medicine & Surgery, 2013-14;
 Editorial Board, Clinical Neurosurgery (1990-92).
 Reviewer for multiple journals including Human Pathology,
Neurosurgery, Journal of Neurosurgery, Stroke, Lasers in Medicine and Surgery, British Journal of Neurosurgery,
Southern Medical Journal , The Spine Journal, etc.

**UNIVERSITY APPOINTMENTS:
1974-1976**

Instructor, College of Allied Health Sciences, University of Tennessee Center for the Health Sciences, Memphis, Tennessee. Developed and taught core curriculum in graduate level health services administration program. Courses included behavioral management, principles of organization, introduction to health services, and quantitative methods for the health services manager.

1976-1978	Instructor in Health Administration, School of Medicine, Vanderbilt University, Nashville, Tennessee. Participated in instruction of medical students in principles of biostatistics, epidemiology and public health.
1977-1978	Assistant Professor in Family and Community Health. Department of Family and Community Medicine, Meharry Medical College, Nashville, Tennessee. Instruction in graduate program of health services administration.
1988-1992	Assistant Professor and Head, Section of Neurosurgical Oncology, Department of Neurosurgery, University of Tennessee, Memphis, Tennessee. Clinical and didactic instruction in postgraduate residency training program.

PRESENTATIONS:

1. Clark, WC: Determinants of Patient Compliance in a Rural Family Planning Program. APHA, 103rd annual meeting, Chicago, Illinois, 1975.
2. Clark WC: Effects of Self Esteem upon Perception of the Sick Role. APHA, 104th annual meeting, New Orleans, Louisiana, 1976.
3. Clark WC: Determination of Rural Provider and Consumer Perceptions of Health Delivery System. APHA, 105th annual meeting, Washington, D.C., 1977.
4. Clark WC, Tucker P: Computerized Risk Analysis for Pre-Employment Screening in a University Occupational Health Service. APHA, 106th annual meeting, Los Angeles, California, 1978.
5. Clark WC: Matinee Idol or Frankenstein. A review of the Technology and Bioethics of Recombinant DNA. Graduate seminar in genetics, University of Tennessee, Nashville, Tennessee, 1978.
6. Clark WC: Cerebral Vasospasm. Pathogenesis and Treatment. Graduate seminar in neurobiology, University of Tennessee, Memphis, Tennessee, 1981.
7. Clark WC: The Hemolytic-Uremic Syndrome. Graduate seminar in pediatrics, University of Tennessee, Memphis, Tennessee, 1981.
8. Robertson JH, Clark WC: CO2 Laser Surgery in Spinal Cord Tumors. First American Congress of Laser in Surgery and Medicine, Chicago, IL, 1981.

9. Robertson JH, Clark WC: CO2 Laser in Neurological Surgery, Fourth International Congress of Laser in Surgery and Medicine, Tokyo, Japan, 1981.
10. Strait TA, Robertson JT, Robertson JH, Clark WC: CO2 Laser Surgery of Meningiomas. First American Congress of Laser in Neurosurgery, Chicago, Illinois, 1981.
11. Robertson JH, Clark WC: CO2 Laser in Neurosurgery, Case Experience. Southern Neurosurgical Society, Jackson, Mississippi, 1982.
12. Robertson JH, Clark WC: CO2 Laser in Neurosurgery. Indications, Applications, and Advantages. Society of University of Neurosurgeons, Sulfur Springs, West Virginia, 1982.
13. Clark WC, Robertson JH, Gardner LG: Selective Absorption and Control of Thermal Effects. A Discussion and Comparison of the Laser Device Available in Otolaryngology and Neurotology. President's award paper. Ear Research Foundation, Sarasota, Florida, 1985.
14. Robertson JH, Clark WC, Gardner LG: Surgical Management of Cerebellopontine Angle Tumors Other Than Acoustic Neuromas. Fifth International Workshop, Neurological Surgery of the Ear and Skull Base, Sarasota, Florida, February 27, 1985.
15. Moretz WM, Gardner LG, Clark WC, Robertson JH: Nonsurgical Management of Small and Intracanalicular Acoustic Tumors. American Academy of Otolaryngology, Head and Neck Surgery, Las Vegas, Nevada, September 16-20, 1984.
16. Clark WC, Robertson JH, Gardner LG, Robertson JT: Neurosurgical Management of Glomus Jugular Tumors. A Review of 36 cases. Congress of Neurological Surgery, Honolulu, Hawaii, October 1-5, 1985.
17. Clark WC, Robertson JH: A Systematic Approach to the Management of Facial Pain, Southern Medical Association, Orlando, Florida, November 18-22, 1985.
18. Clark WC, Robertson JH: Cerebral Amyloidosis as a Cause of Lobar Intracerebral Hemorrhage. Southern Medical Association, Atlanta, Georgia, November 8-11, 1986.
19. Clark WC, Muhlbauer MS, Ray MA, Watridge CB, Robertson JT: Complications of ICP Monitoring in Trauma Patients. Semmes-Murphey Clinic Reunion, Baptist Memorial Hospital, Memphis, Tennessee, February 5-7, 1987.

20. Clark WC, Muhlbauer MS, Lowery R, Hartman M, Ray MW, Robertson JT: Complications of ICP Monitoring in Trauma Patients. Southern Neurosurgical Society, Kiawah Island, South Carolina, March 24-29, 1987.
21. Clark WC: Intracranial Pressure Monitoring. Indications, Pathophysiology, and Complications. American Association of Critical Care Nurses, Memphis, Tennessee, March 30-31, 1987.
22. Clark WC: Intracranial Pressure Monitoring in Trauma Patients. Neurosurgical Conference, Baptist Memorial Hospital, Memphis, Tennessee, May 29, 1987.
23. Clark WC, Muhlbauer MS, Lowery R, Hartman M, Ray MW, Robertson JT: Complications of ICP Monitoring. Southern Medical Association, Neurosurgery Section, San Antonio, Texas, November 2, 1987.
24. Clark WC, Muhlbauer MS, Sanford RA, Simmons JCH: Analysis of 24 Pediatric Craniocerebral Gunshot Wounds. Southern Medical Association, Neurosurgery Section, San Antonio, Texas, November 3, 1987.
25. Clark WC, Robertson JT: The Role of the Neurosurgeon in the Management of Herpes Simplex Encephalitis, Southern Medical Association, Neurosurgery Section, San Antonio, Texas, November 3, 1987.
26. Clark WC, Schweitzer J, Dohan FC: Malignant angioendotheliomatosis with primary CNS symptoms. Angiotrophic lymphoma in disguise. Southern Medical Association, Neurosurgery Section, New Orleans, Louisiana, November 7, 1988.
27. Clark WC, Theofilos C, Fleming JC: Primary Optic Sheath Meningiomas. Southern Medical Association, Neurosurgery Section, New Orleans, Louisiana, November 7, 1988.
28. Cocke E, Clark WC, Robertson JH: A New External Approach to the Clivus and Upper Cervical Spine. Southern Medical Association, Neurosurgery Section, New Orleans, Louisiana, November 8, 1988.
29. Clark WC, Theofilos C, Fleming JC: Primary Meningiomas of the Optic Sheath. Congress of Neurological Surgery, Post Convention Meeting, Vancouver, BC, September 30, 1988.
30. Clark WC: Neural Tube Defects. Clinical Synopsis. Embryology lecture series, University of Tennessee, College of Medicine, Memphis, Tennessee, December 1988
31. Clark WC, Schweitzer J, Dohan FC: Malignant Angioendotheliomatosis. Angiotrophic Lymphoma in Disguise. Congress of Neurological Surgery, Seattle, Washington, September 24-29, 1988.

32. Clark WC, Dohan FC, Schweitzer J: Immunocytochemical Evidence of Lymphocytic Derivation of Neoplastic Cells in Malignant Angioendotheliomatosis. Southern Medical Association, New Orleans, Louisiana, November 5-9, 1988.
33. Clark WC, Coakham HB: T-Cell Subset Analysis from High Grade Gliomas. Effect on Length of Survival. Southern Medical Association, New Orleans, Louisiana, November 5-9, 1988.
34. Clark WC, Robertson JH, West W: Tumor Infiltrating Lymphocytes Isolated from Malignant Intracranial Astrocytomas. Congress on Neurological Surgery, Atlanta, Georgia, October 25-November 2, 1989.
35. Clark WC, Nicoll JAR, Coakham HB: Monoclonal Antibody Immunophenotyping of Solitary Cerebral Metastases with Unknown Primary Sites. Southern Medical Association, Washington, D.C., November 5-8, 1989.
36. Clark WC, West W: Derivation and Characterization of Tumor Infiltrating Lymphocytes from Intracranial Malignant Astrocytomas. Southern Medical Association, Washington, D.C., November 5-8, 1989.
37. Clark WC, Cerebral Resuscitation. American Association of Critical Care Nurses, Memphis, Tennessee, March 16, 1990.
38. Clark WC, Postlethwaite A: Role of Cytokines in GAG Production by Human Glial Tumors, American Association of Neurological Surgeons, Nashville, Tennessee, April 1990.
39. Clark WC, Floyd D, Postlethwaite A: Role of Cytokines in GAG Production by Human Glial Tumors, Southern Medical Association, Nashville, Tennessee, October 15, 1990.
40. Clark WC, Fontanesi J: CT-Guided Stereotactic brachytherapy, Southern Medical Association, Nashville, Tennessee, October 15, 1990.
41. Fontanesi J, Clark WC, Patterson KK, Kun L, Robertson JT: CT-Guided Stereotactic Brachytherapy with I-125 Seeds for Initial Treatment of Malignant Astrocytoma and Glioblastoma Multiforme, Endocurithery Society, San Diego, California, December 1990.
42. Fontanesi J, Clark WC, Patterson KK, Kun L, Robertson JT: CT-Guided Stereotactic Brachytherapy with I-125 Seeds for Recurrent Glioblastoma Multiforme, Endocurithery Society, San Diego, California, December 1990.
43. Clark WC, Fontanesi J, Kun L, Robertson JT, Weir AB, III: Concomitant Cisplatinium with Interstitial Implantation and Hyperfractionated Irradiation in

Patients with Malignant Gliomas, American Association of Neurological Surgeons, New Orleans, Louisiana, April 1991.

44. Clark WC, Fontanesi J, Patterson KK, Kun L, Robertson JT: CT-Guided Stereotactic Brachytherapy with I-125 Seeds for Initial Treatment of Malignant Astrocytoma and Glioblastoma Multiforme, American Association of Neurological Surgeons, New Orleans, Louisiana, April 1991.

Clark WC, Fontanesi J, Patterson KK, Kun L, Robertson JT: CT-Guided Stereotactic Brachytherapy with I-125 Seeds for Recurrent Glioblastoma Multiforme, American Association of Neurological Surgeons, New Orleans, Louisiana, April 1991.
46. Berkman RA, Schultz H, Ravena A, Clark WC, Robertson JT, Oldfield EH, Katz D, Ali LU: Clonal Composition of Central Nervous System Tumors, Congress of Neurosurgery Annual Meeting, Orlando, Florida, October 26-30, 1991.
47. Clark WC: Problem Cases. A discussion of the indications for internal fixation plus fusion versus fusion alone. Neurosurgery Section, 85th Annual Meeting of the Southern Medical Association, Atlanta, Georgia, November 15-18, 1991.
48. Clark WC, Fontanesi J, Weir AS: Stereotactic interstitial brachytherapy with concomitant CDDP in the initial treatment of malignant glioma. Neurosurgery Section, 85th Annual Meeting of the Southern Medical Association, Atlanta, Georgia, November 15-18, 1991.
49. Clark WC: Problem Cases. A discussion of the diagnosis, medical and surgical management of pituitary adenoma. Joint Meeting of the Georgia Neurosurgical Society and the Sections of Medicine and Neurosurgery, 85th Annual Meeting of the Southern Medical Association, Atlanta, Georgia, November 15-18, 1991.
50. Clark WC: CTS, Back and Neck Pain. Pruden Risk Seminar, Dalton, Georgia, November 1993.
51. Clark WC: An Owner's Guide: Your Achy, Breaky Back! HamiltonMedicalCenter Community Outreach, Dalton, Georgia, April 1993.
52. Clark WC: Brain Death, HamiltonMedicalCenter, Critical Care Nursing Inservice, Dalton, Georgia, May 1993.
53. Clark WC: Anterior Cervical Discectomy, HamiltonMedicalCenter, A-3 Nursing Inservice, August 1993.
54. Clark WC: CME Presentation: Subarachnoid Hemorrhage, HamiltonMedicalCenter, Medical Staff, September 24, 1993.

55. Clark WC: CME Presentation: Brain Attack: The Rationale for Treating Stroke as a Medical Emergency, HamiltonMedicalCenter, Medical Staff, February 3, 1994.
56. Clark WC, Robertson JH: Civilian Gunshot Injuries of the Carotid Artery: A report of 24 cases and development of a management strategy. Southern Neurosurgical Society, The Greenbriar, White Sulphur Springs, West Virginia, April 8, 1994.
57. Clark WC, Robertson, JH: Civilian Transoral Gunshot Wounds: The Neurosurgeon's Role in Management. Southern Medical Association, Orlando, Florida, October 7, 1994.
58. Clark WC, Robertson JH: Civilian Gunshot Injuries of the Carotid Artery. Southern Medical Association, Orlando, Florida, October 7, 1994.
59. Clark WC, Robertson JH: Civilian Gunshot Wounds of the Carotid Artery. Georgia Neurosurgical Society, Atlanta, Georgia, October, 1994.
60. Clark WC, Robertson JH: Transoral Gunshot Wounds: The Neurosurgeon's Role in Management. Georgia Neurosurgical Society, Atlanta, Georgia, October, 1994.
61. Clark, WC: Image-guided stereotactic brain biopsy. A report of 200 consecutive cases. Georgia Neurosurgical Society, Sea Island, Georgia, April, 1995.
62. Clark, WC: Lumbar Decompressive Laminectomy Without Fusion for the Treatment of Lumbar Spinal Stenosis and Neurogenic Claudication in the Elderly Patient. Neurosurgical Section, Southern Medical Assn., Baltimore, Maryland, November, 1996.
63. Hartsell, W, Clark, WC, Foatanesi, J, Weir, AB, Patterson, KK, Tai, D, Kun, L: I-125 Implants for Malignant Glioma., European Society for Therapeutic Radiation Oncology, Leige, Belgium, September, 1996.
64. Clark, WC: I-125 Brachytherapy Implants for Malignant Glioma. A Five Year Followup Neuro-Oncology VI: Recent Advances in Diagnosis and Treatment. Memorial Sloan-Kettering Cancer Center, New York, NY., Dec 12-13, 1996.
65. Clark, WC: Image-guided Stereotactic Biopsy for the Diagnosis of Intracranial Mass Lesions. Neuro-Oncology VI: Recent Advances in Diagnosis and Treatment. Memorial Sloan-Kettering Cancer Center, New York, NY., Dec 12-13, 1996.
66. Clark, WC: Civilian Gunshot Wounds of the Carotid Artery. A Proposed Management Strategy Joint Section on Cerebrovascular Surgery, Anaheim, CA., Feb 4-6, 1997.

67. Clark, WC: Lumbar Decompressive Laminectomy Without Fusion for the Treatment of Lumbar Spinal Stenosis. Spine Across The Sea, The North American Spine Society, Kamuela, Hawaii, March 16-20, 1997.
68. Clark WC: Investigational Therapies for Primary Brain Tumors, Master Tumor Board, St. Francis Hospital, Memphis, TN, November 21, 1996.
69. Clark WC: Management of Carotid Artery Gunshot Wounds, Greenwood-LeFlore Hospital, Greenwood, MS, April 20, 1997.
70. Clark WC: Developing A Neurosurgical Web Page, Tennessee Neurosurgical Society, Nashville TN, September 12, 1997.
71. Clark WC: Decompressive Laminectomy Without Fusion For Lumbar Stenosis In The Elderly, Tennessee Neurosurgical Society, Nashville, TN, September 12, 1997.
72. Clark WC: Pain Management in a General Neurosurgical Practice, Neurosurgical Section, South Med Assn, Charlotte, NC, October 24, 1997.
73. Clark WC: Contemporary Management of Primary Brain Tumors, Memphis Neuroscience Nurses Assoc., Memphis, TN, February 21, 1998.
74. Clark WC: Lumbar Decompressive Laminectomy Without Fusion for the Management of Spinal Stenosis in the Elderly Patient, Southern Neurosurgical Society, The Homestead, Sulfur Springs, VA, June 4, 1998.
75. Clark WC: Primary Cerebral Amyloidosis and Lobar Intracerebral Hemorrhage in the Normotensive Elderly Patient, Southern Neurosurgical Society, The Homestead, Sulfur Springs VA, June 4, 1998.
76. Clark WC: I-125 Brachytherapy for the Management of Primary Brain Tumors. A Five Year Followup, Neurosurgical Section, South Med Assn, New Orleans, LA, Nov 20, 1998.
77. Clark WC: Lumbar Decompressive Laminectomy Without Fusion for the Management of Lumbar Spinal Stenosis in the Elderly Patient, Neurosurgical Section, South Med Association, New Orleans, LA, Nov 20, 1998.
78. Clark WC: Contemporary Management of Subarachnoid Hemorrhage. ICU Lecture Series. St. Francis Hospital, Memphis, TN, March 11, 1999.
79. Clark WC: Anterolateral Corpectomy with Allogenic Femoral Strut Arthrodesis and Stabilization Utilizing a Novel Unicortical Plating System, Southern Neurosurgical Society, Memphis, Tennessee, April 24, 1999.

80. Clark WC: Neurosurgical Management of Carotid Artery Gunshot Wounds, International College of Surgeons, 36th North American Federation Congress, Cancun, Mexico, June 23-27, 1999.
81. Clark WC: Anterolateral Corpectomy with Allogenic Femoral Strut Arthrodesis and Stabilization Utilizing a Novel Unicortical Plating System, Tennessee Neurosurgical Society, Annual Meeting, Nashville, TN, Sept 25-26, 1999.
82. Clark WC: PLIF Utilizing the Ray Threaded Fusion Cage, Tennessee Neurosurgical Society Annual Meeting, Nashville, TN, Sept 25-26, 1999.
83. Clark WC: Anterolateral Corpectomy with Allogenic Strut Arthrodesis and Stabilization Using a Novel Unicortical Plating System, Southern Medical Association, 93rd Annual Scientific Assembly, Dallas, TX, Nov 10-14, 1999.
84. Clark WC: Preliminary Experience Using the Ray Threaded Fusion Cage for PLIF, Southern Medical Association, 93rd Annual Scientific Assembly, Dallas, TX, Nov 10-14, 1999.
85. Clark WC: Neurosurgical Management of Civilian Gunshot Wounds of the Carotid Artery Southern Neurosurgical Society, Ponte Vedra Beach, FL, June 21-25, 2000.
86. Clark WC: Anterolateral Corpectomy with Allogenic Femoral Strut Arthrodesis and Stabilization Utilizing a Novel Unicortical Plating System, American Academy of Neurological and Orthopedic Surgeons, 24th Annual Meeting, Las Vegas, Nevada, July 22, 2000.
87. Clark WC: Preliminary Experience Using the Ray Threaded Fusion Cage for PLIF, American Academy of Neurological and Orthopedic Surgeons, 24th Annual Meeting, Las Vegas, Nevada, July 22, 2000.
88. Clark WC: Management of Carotid Arterial Gunshot Wounds, American Academy of Neurological and Orthopedic Surgeons, 24th Annual Meeting, Las Vegas, Nevada, July 22, 2000.
89. Clark WC: Anterolateral Corpectomy with Allogenic Femoral Strut Arthrodesis and Stabilization Utilizing a Novel Unicortical Plating System, International College of Surgeons, Boston, MA, June 29, 2000.
90. Clark WC: Preliminary Experience Using the Ray Threaded Fusion Cage for PLIF, International College of Surgeons, Boston, MA, June 29, 2000.
91. Clark WC: Neuro-Ophthalmology for the Neurosurgeon, Tennessee Neurosurgical Society, Nashville, TN, August 23-24, 2003.
92. Clark WC: Intraoperative Salvage Techniques. Getting Out of Trouble in Spinal Surgery, Congress of Neurological Surgeons, Denver, CO, Oct 18-23, 2003.

93. Clark WC: Modern Techniques and Developing Trends for Interbody Fusion, AANS Annual Meeting, Orlando, FL, May 1-6, 2004.
94. Clark WC: Vertebroplasty: Indications and Treatment Options, AANS Annual Meeting, Orlando, FL, May 1-6, 2004.
95. Clark WC: Neurosurgical Management of Civilian Craniocerebral Gunshot Wounds, AANOS, Las Vegas, NV, June 4-6, 2005.
96. Clark WC: ALIF with Anterior Instrumentation. A Report of 50 Consecutive Cases, Tennessee Neurosurgical Society, Chattanooga, TN, August 19-20, 2006.
97. Clark WC: Innovations in Spine Surgery. Principles of Spinal Disorders for Operating Room Personnel. AO ASIF Faculty, Nashville, TN, September 9-10, 2006.
98. Clark WC: Osteotomies- A Focused Advanced Course, AO/ASIF Faculty, San Diego, CA, September 21-23, 2006.
99. Clark WC: Advanced Concepts in Management of Spinal Disorders, AO/ASIF Faculty, Scottsdale, AZ, October 26-29, 2006.
100. Clark WC: Management of Closed Head Injury. The Role of ICP Monitoring, American College of Surgeons, 92nd Annual Clinical Congress, Chicago, IL, Oct 8-12, 2006.
101. Clark WC: Disc Arthroplasty of the Cervical and Lumbar Spine, Congress of Neurological Surgeons, Chicago, IL, October 7-12, 2006.
102. Clark WC: Biomechanical Aspects of Spinal Instrumentation, Tennessee Neurosurgical Society, Nashville, TN, August 25-26, 2007.
103. Clark WC: Binding Arbitration: Its Role in Alternate Dispute Resolution, AANOS, Reno, NV, June 5-7, 2008.
104. Clark WC: Complications of Kyphoplasty for Vertebral Compression Fractures, Tennessee Neurosurgical Society, Nashville, TN, August 22-24, 2008.
105. Clark WC: Aneurysmal Bone Cysts of the Thoracic and Lumbar Spine, Tennessee Neurosurgical Society, Nashville, TN, August 22-24, 2008.
106. Clark WC, Clark CM: ALIF with Anterior Instrumentation. Long-term Followup. AANOS, Montreal, Canada, May 27-31, 2009.
107. Clark WC, Clark CM: Complications of Vertebroplasty and Kyphoplasty, AANOS, Montreal, Canada, May 27-31, 2009.

108. Clark WC: Spinal Epidural Arteriovenous Malformations, Tennessee Neurosurgical Society, Nashville, TN, Aug 7-9, 2009.
109. Clark WC: ALIF with Anterior Instrumentation. Long-term Followup, Tennessee Neurosurgical Society, Nashville, TN, Aug 7-9, 2009.
110. Clark WC, Clark CM, Berry A: Amyloid Angiopathy and Lobar Intracerebral Hemorrhage in the Normotensive Elderly Patient, AANOS, Denver, CO, May 6-8, 2010.
111. Clark WC: Immunotoxin Therapy of Malignant Glial Tumors, AANOS, Denver, CO, May 6-8, 2010.
112. Clark WC: Amyloid Angiopathy, Tennessee Neurosurgical Society, Memphis, TN, August 20-22, 2010.
113. Clark WC, Clark CM: Treatment of Single Level Cervical HNP with Radiculopathy Using aDisc Prosthesis. Clinical and Radiological Outcomes, AANOS, Portland, OR, June 9-11,2011.
114. Clark WC: Sacroiliitis, Tennessee Neurosurgical Society, Gatlinburg,TN, August 19-21, 2011.
115. Clark WC: Transforaminal Lumbar Interbody Fusion. An Advanced Course, North American Spine Society, Chicago, IL, November 2-5, 2011.
116. Clark CM, Clark WC: Percutaneous Treatment of Discogenic Back Pain with a Plasma Wand, AANOS, Atlanta, GA, June 7-9, 2012.
117. Clark CM, Clark WC: Hemispherectomy for Treatment of MCA Infarctions, AANOS, Jacksonville, FL, June 7-9, 2013.
118. Clark CM, Miller JD, Clark WC: Paraganglioma of the Filum Terminale, AANOS, Jacksonville, FL, June 7-9, 2013.
119. Clark CM, Clark WC: Treatment of Single Level Cervical Disc Disease with Cervical Disc Prosthesis. Clinical and Radiological Outcomes, AANOS, Memphis, TN, June 12-14, 2014.
120. Clark WC: Sacroiliitis, AANOS, Memphis, TN, June12-14, 2014
121. Clark WC: Controversies in Neurosurgery. Microsurgery versus Radiosurgery for Benign Tumors of the Adult Posterior Fossa, AANOS, Annapolis, MD, June 11-13, 2015
122. Clark WC: Controversies in Neurosurgery. Kyphoplasty versus Vertebroplasty, AANOS, Annapolis, MD, June 11-13, 2015.

PUBLICATIONS:

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