

SANAT DIXIT MD, MBA



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SPECIALTIES:

- Neurological Surgery
- Cerebrovascular & Endovascular Neurosurgery
- Minimally Invasive Spine Surgery
- Value Based Healthcare
- Digital Health
- PE/VC Investment Strategy

CERTIFICATION:

- American Board of Neurological Surgery (2008)
- Fellow of the American Association of Neurological Surgeons (2008)
- Fellow of the American College of Surgeons (2012)

EDUCATION

Case Western Reserve University (CWRU), Cleveland, OH.

Bachelor of Arts - Biology May 1991

Bachelor of Arts - English May 1991

Cum Laude Graduate

**State University of New York at Stony Brook - School of Medicine ,
Stony Brook, NY**

Doctor of Medicine May 1995

Owen Graduate School of Management, Vanderbilt University.

Nashville, TN

Master of Business Administration August 2012

Harvard Business School, Cambridge, MA

7th Annual Seminar On Value Based Healthcare January 2014

CLINICAL APPOINTMENTS

3/23- Present

Clinical Assistant Professor

Dept. of Neurological Surgery, Vanderbilt University, Nashville, TN.

6/22-Present

Neurosurgeon & Partner

US Orthopedic Partners -SportsMED Orthopedic & Spine Center, Huntsville, AL

5/17-6/22

Neurosurgeon

SportsMED Orthopedic & Spine Center, Huntsville, AL

Hospital Appointments:

Crestwood Medical Center, Huntsville, AL

- 2/15-8/15 *Locum Tenens Physician*
S Dixit MD Inc – Independent Contractor
 Palmetto Richland Medical Center, Columbia SC
- 1/14 – 4/17 *Physician & Founding Partner - Neurological Surgery & Endovascular Neurosurgery*
Pinnacle Surgical Partners
 Nashville, TN
- Hospital Appointments:*
 Summit Medical Center, Hermitage, TN
 Southern Hills Medical Center, Nashville, TN
 Williamson County Medical Center, Franklin, TN
 The Center for Spinal Surgery, Nashville, TN
 Stonecrest Medical Center, Smyrna, TN.
 St Thomas Hospital - Midtown, Nashville, TN.
 St Thomas Hospital - West, Nashville, TN.
 Providence Surgery Center, Mt Juliet, TN.
 Indian Lake Surgery Center, Gallatin, TN.
 Greenview Regional Hospital, Bowling Green, KY.
- 6/10 – 12/13 *Physician Partner – Neurological Surgery & Endovascular Neurosurgery*
Cumberland Brain and Spine, PLLC
 Nashville, TN
- 7/10 – 7/13 *Medical Director – Neurological Surgery Service Line,*
Southern Hills Medical Center,
 Nashville, TN.
- 03/08 – 10/09 *Medical Director - Interventional Stroke Services,*
Exempla Lutheran Medical Center,
 Wheat Ridge, CO
- 03/08 – 5/10 *Attending Physician – Neurological Surgery & Endovascular Neurosurgery*
Denver Neurologic & Spine Associates,
 Denver, CO
- Hospital Appointments:*
 Exempla Lutheran Medical Center, Wheat Ridge, CO
 Exempla St. Joseph’s Medical Center, Denver, CO
 St Anthony’s Central Medical Center, Denver, CO
 Exempla Good Samaritan Medical Center, Lafayette, CO
 Presbyterian St Lukes Medical Center, Denver, CO
 Littleton Adventist Medical Center, Littleton, CO.
- 7/06 – 5/10 *Clinical Assistant Professor in Neurosurgery,*
 Department of Neurosurgery
University of Colorado Health Sciences Center
 Denver, CO
- 3/06- 2/08 *Attending Physician – Neurological Surgery & Endovascular Neurosurgery*
Boulder Neurosurgical Associates
 Denver, CO
- Hospital Appointments:*

Exempla Lutheran Medical Center, Wheat Ridge, CO
Exempla St. Joseph's Medical Center, Denver, CO
St Anthony's Central Medical Center, Denver, CO
Boulder Community Hospital, Boulder, CO
Longmont United Hospitals, Longmont, CO
Exempla Good Samaritan Medical Center, Lafayette, CO

7/01 – 1/06

Attending Physician – Neurological Surgery
Semmes –Murphey Neurologic and Spine Institute
Memphis, TN

Hospital Appointments:
Baptist Memorial Hospitals, Memphis, TN
Methodist Hospital System, Memphis, TN

7/03 – 1/06

Attending Physician – Interventional Neuroradiology/ Endovascular Neurosurgery
Mid-South Imaging & Therapeutics,
Memphis, TN

Hospital Appointments:
Baptist Memorial Hospitals, Memphis, TN

POST-GRADUATE EDUCATION

7/95 - 6/96

Resident in General Surgery
M.S. Hershey Medical Center - Pennsylvania State University
Hershey, PA.
Training included 3 months of clinical neurology.

7/96 – 6/00

Resident in Neurological Surgery
M.S. Hershey Medical Center - Pennsylvania State University
Hershey, PA.
Included 3 months elective in Interventional Neuroradiology.

7/00 - 6/01

Chief Resident in Neurological Surgery
M.S. Hershey Medical Center – Pennsylvania State University
Hershey, PA.

7/01 – 6/03

Fellowship in Interventional Neuroradiology & Cerebrovascular Surgery
Baptist Memorial Hospitals / Semmes-Murphey Clinic
Memphis, TN.

BUSINESS & ENTERPRISE

June 2022 – Present

US Orthopedic Partners
Board Member & Shareholder
Private Equity backed Orthopedic care platform based in the Southeast US.

May 2022 – Present

Agena Systems

	<i>Founder</i> Data aggregation and analytics platform focused on musculoskeletal services.
May 2022- Present	25 Madison Ventures <i>Advisor</i> Nashville healthcare venture studio.
Jun 2017 – Present	Jumpstart Capital <i>Advisor</i> Nashville based early stage healthcare VC.
Feb 2018 – Present	Theos Health <i>Founder & Chairman</i> Virtual care patient engagement platform focused on orthopedic and musculoskeletal care, including proprietary telehealth and PROM's collection platform.
Aug 2014 – Nov 2018	Satchel Health, <i>Co-Founder & Chief Medical Officer</i> Venture backed healthcare technology and services company providing integrated technology and workflow solutions for skilled nursing and post-acute care markets.
July 2013 – Aug 2014	Nashville Entrepreneur Center <i>Advisor & Mentor</i>
6/13 – Present	Blue Cross Blue Shield of Tennessee <i>Physician Advisory Board Member</i>

RESEARCH EXPERIENCE

1/89 - 9/89	<i>Undergraduate Research</i> , CWRU School of Medicine - Department of Molecular & Microbiology Performed experiments to map plasmid insertion sites of chicken c-erbB associated proteins utilizing a variety of recombinant DNA techniques, as an adjunct to a larger project to map the c-erbB oncogene.
5/91 - 8/91	<i>Undergraduate Research</i> , CWRU School of Medicine - Department of Orthopedic Surgery Helped establish and implement a protocol to determine bone allograft compatibility utilizing a variety of recombinant DNA techniques as an adjunct to the larger project of graft transplantation research.
7/97 - 3/98	<i>Independent Research</i> - Division of Neurosurgery and Section of Interventional Neuroradiology - M.S. Hershey Medical Center Development of an experimental saccular aneurysm model in rabbits to evaluate endovascular treatment of aneurysms.
4/99 – 6/01	<i>Independent Research</i> - Division of Neurosurgery- M.S. Hershey Medical Center Investigation of the role of select inflammatory cytokines in the development of post hemorrhagic vasospasm, and the efficacy of anti-cytokine antibodies in the treatment of post hemorrhagic vasospasm using a rat femoral artery model.

PRESENTATIONS

- February 1997* *The Role of Antibiotics in Cranial Vault and Basilar Skull Fractures.*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- August 1997* *Spinal Vascular Malformations.*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- May 1998* *Pediatric Brainstem Tumors.*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- April 1999* *Penetrating Spinal Trauma.*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- January 2000* *Proposed Mechanisms of Cerebral Vasospasm..*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- August 2002* *MCA Aneurysms : Coil or Clip?*
Presentation – Annual Meeting of the Tennessee Neurosurgical Society
Nashville, TN.
- May 2003* *The Future of Aneurysm Surgery: Life after the International Subarachnoid Aneurysm Trial*
Grand Rounds Presentation - Division of Neurosurgery, M.S. Hershey Medical Center - Pennsylvania State University, Hershey PA.
- August 2003* *Aneurysm Surgery and I.S.A.T.*
Presentation – Annual Meeting of the Tennessee Neurosurgical Society
Nashville, TN.
- February 2004* *Designing the User Friendly Endovascular Suite*
Seminar Panel Member - Annual Meeting of the American Association of Neurologic Surgeons: Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. San Diego, CA.
- Carotid Stenting in the High Risk Population*
Seminar Panel Member - Annual Meeting of the American Association of Neurologic Surgeons: Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. San Diego, CA.
- February 2005* *Management Options in Occlusive Cervical Carotid Disease.*
Seminar Panel Member - Annual Meeting of the American Association of Neurologic Surgeons: Cerebrovascular Section and the American Society of Interventional & Therapeutic Neuroradiology. New Orleans, LA.
- March 2005* *Endovascular Treatment of Middle Cerebral Artery Aneurysms: Feasibility and Follow Up.*
Annual Meeting of the the Southern Neurosurgical Society, Key West, FL.
- July 2006* *Endovascular Neurosurgery – An Introduction.* Surgery Grand Rounds, Exempla Lutheran Medical Center, Wheat Ridge, CO.
- August 2006* *Clinical Dilemma: Ruptured Anterior Communicating Artery Aneurysm with Bilateral Carotid Dissection.* Annual Meeting of the American Society of Interventional &

Therapeutic Neuroradiology, San Juan, Puerto Rico.

- October 2006* *Critical Care Management of the Endovascular Patient*, Inpatient Services P.C. in-service, Exempla Lutheran Medical Center, Wheat Ridge, CO.
- October 2006* *A Primer on Brain Surgery*, Mini Med School Lecture Series , Exempla Lutheran Medical Center, Wheat Ridge, CO.
- October 2006* *Interventional Stroke Therapies*, Visiting Lecture Series, St Anthony Granby Medical Center, Granby, CO.
- November 2006* *Minimally Invasive Endovascular Techniques*,
Current Techniques in the Treatment of Cranial and Spinal Disorders, Westminster, CO.
- November 2006* *Management Options for Acute Stroke*, Mini Med School Lecture Series , Exempla Lutheran Medical Center, Wheat Ridge, CO.
- February 2007* *Acute Stroke Intervention*, American Heart Association Get With the Guidelines Program, Englewood, CO
- February 2007* *Hemorrhagic Stroke: How the System Saved My Life*, Grand Rounds, Exempla Lutheran Medical Center, Wheat Ridge, CO.
- April 2007* *The Politics of the Endovascular Suite*, Annual Meeting of the Rocky Mountain AVIR, University of Colorado Health Sciences Center, Denver, CO
- April 2007* *Controversies and Management Strategies for Carotid Stenosis*, Dept. of Neurosurgery Grand Rounds, University of Colorado Health Sciences Center, Denver, CO.
- November 2007* *Neurointerventional Therapies for Acute Stroke*, Grand Rounds, Poudre Valley Medical Center, Ft. Collins, CO.
- Jan 2009* *Endovascular Neurosurgery: An Introduction*, Grand Rounds, Exempla St Joseph's Medical Center, Denver CO
- May 2009* *Spinal Vascular Malformations*, Dept. of Neurosurgery Grand Rounds, University of Colorado Health Sciences Center, Denver, CO.
- May 2009* *Spine Mimics*, Human Motion Institute Lecture Series Exempla Lutheran Medical Center
- August 2009* *Spine Surgery: Surgical Do's and Don'ts*, Human Motion Institute Lecture Series Exempla Lutheran Medical Center
- April 2010* *Neurosurgery Primer*, Southern Hills Medical Center, Nashville TN
- January 2011* *The "Axium" of Endovascular Therapy: A Rogue's Eye View*, Invited Speaker: Ev3 National Sales Meeting, Ft Myers, FL.
- May 2011* *Critical Care Management of the Neurosurgery Patient*, Southern Hills Medical Center, Nashville TN
- Oct 2012* *Aneurysmal Subarachnoid Hemorrhage* Tristar Health System Stroke Symposium, Nashville TN

ABSTRACTS & PUBLICATIONS

Dixit S, Krishnamurthy S, Bell T, Tong D, Steinberg GK, Marks MP, McNamara KP, Cockcroft KM. "Diffusion/perfusion mismatch on MRI is an indication for early revascularization in acute ischemic stroke." **Annual Meeting of the American Association of Neurological Surgeons**, San Francisco, CA. April 8-13, 2000.

Dixit S, Krishnamurthy S, Satish U, Powers SK, Cockcroft KM. "Is there a relationship between systemic infection and cerebral vasospasm after aneurysmal subarachnoid hemorrhage?" **Annual Meeting of the American Association of Neurological Surgeons**, San Francisco, CA. April 8-13, 2000.

Krishnamurthy S, Dixit S, Black A, Holmes B, Streufert S, Satish U, Cockcroft KM, Powers SK. "Tobacco smoking is a significant environmental risk factor in the development and rupture of cerebral aneurysms." **25th International Stroke Conference Program of the American Heart Association**, New Orleans, LA. February 10-12, 2000.

Barr JD, Morris SD, Paulsen RD, Dixit S. "Preliminary experience with new Ultra-Soft Guglielmi Detachable Coils for aneurysm treatment." **Annual Meeting of the American Society of Interventional and Therapeutic Neuroradiology**, Dallas, TX. February 2002.

Dixit S, Barr JD. "Anterior percutaneous cervical vertebroplasty for multiple myeloma." **Annual Meeting of the Southern Neurosurgical Society**, Savannah, GA, March 6-9, 2002.

Dixit S, Morris SD, Paulsen RD, Barr JD. "Endovascular treatment of a fenestrated basilar artery aneurysm." **Annual Meeting of the Southern Neurosurgical Society**, Savannah, GA, March 6-9, 2002.

Dixit S, Morris SD, Paulsen RD, Barr JD. "Angioplasty and stent placement of a carotid artery interposition graft." **Annual Meeting of the Southern Neurosurgical Society**, Savannah, GA, March 6-9, 2002.

Dixit S, Towfighi J, Cockcroft KM. Sphenoid sinus mucocele mimicking pituitary macroadenoma. (Manuscript submitted)

Dixit S, Morris SD, Watridge CB, Ray MW, Barr JD. "Initial Experience with the Neuroform Intracranial Stent" **Annual Meeting of the Southern Neurosurgical Society**, Orlando, FL March 12-17, 2003.

Bowman G, Dixit S, Bonneau RH, Chinchilli VM, Cockcroft KM. "Neutralizing antibody against Interleukin-6 attenuates post-hemorrhagic vasospasm in the rat femoral artery model." **Neurosurgery** 54:719-726, 2004.

Arthur AS, Wilson SA, Dixit S, Barr JD. "Hydrogel coated coils for the treatment of cerebral aneurysms: preliminary results." **Neurosurgical Focus**. 2005 Feb 15;18(2):E1

Arthur AS, Morris SD, Broadbent LP, Dixit S, Singel S, Wilson S, Barr JD. "Initial Experience with Neurovascular Placement of Drug Eluting Coronary Stents." **Annual Meeting of the AANS/CNS Cerebrovascular Section/ASITN**, New Orleans, Louisiana, February 2005. (electronic poster)

Arthur A, Barr JD, Dixit S.” Initial 2 Year Experience Using Hydrogel Coated Coils In The Treatment Of Cerebral Aneurysms.” **Annual Meeting of the Southern Neurosurgical Society**, Key West, FL, March 2-6, 2005.

LICENSURE & CERTIFICATION

- Licensure – Commonwealth of Pennsylvania (April 1999)
- Licensure – State of Tennessee (June 2001)
- Licensure - State of Mississippi (May 2003)
- Licensure – State of Colorado (January 2006)
- Licensure – State of Kentucky (February 2011)
- American Board of Neurological Surgery Primary Examination – January 2000
- Diplomate of the American Board of Neurological Surgeons – June, 2008

FELLOWS TRAINED

- Soren S. Singel M.D. (Endovascular Neurosurgery), 2003-2004
- Adam S. Arthur M.D. (Endovascular Neurosurgery), 2004-2006

ACTIVE CLINICAL TRIALS / INVESTIGATIONS/HDE DEVICE OVERSIGHT

Carotid Revascularization Endarterectomy vs Stenting Trial (CREST)

April 2005 – January 2006

Site Co-Investigator (Endovascular treatment arm), Baptist Memorial Hospitals, Memphis, TN.

Neuroform Intracranial Stent

July 2006 – May 2010

Primary Investigator

Exempla Lutheran Medical Center, Wheat Ridge, CO
St Anthony’s Central Hospital, Denver, CO

Wingspan Intracranial Stent / Gateway Balloon System

October 2006 – May 2010

Primary Investigator

Exempla Lutheran Medical Center, Wheat Ridge, CO

Enterprise Intracranial Stent

August 2006 – May 2010

Exempla Lutheran Medical Center, Wheat Ridge, CO

November 2010-Present

Summit Medical Center, Nashville, TN

Onyx HD-500 Liquid Embolic Agent

July 2009 – May 2010

Exempla Lutheran Medical Center, Wheat Ridge, CO

November 2010-Present

Summit Medical Center, Nashville, TN

PROFESSIONAL ASSOCIATIONS

- American Association of Neurologic Surgeons (AANS) (Member)
- Congress of Neurologic Surgeons (Member)
- AANS: Cerebrovascular Section (Member)
- North American Spine Society (Member)
- Tennessee Neurosurgical Society (Active Member)
- Southern Neurosurgical Society (Inactive Member)
- The Memphis Medical Society (Inactive Member)
- Colorado Medical Society (Inactive Member)
- American Society of Interventional and Therapeutic Neuroradiology (Senior Member)
- The Charles W. Kerber Society (Interventional Neuroradiology Society) (Member)
- The Society of Endovascular Neurosurgeons (SENS) – Charter Member
- American College of Surgeons (Member)

HONORS

- Cum Laude Graduate - Case Western Reserve University (1991)
- CWRU Dean's Honor Award (Full tuition academic scholarship)
- Order of Omega - Greek Honorarium (Elected Fall 1989)

ACTIVITIES

- Guitarist (43 years) with formal training in classical and jazz techniques.
 - *Classical guitar studies w/ John Holmquist (Cleveland Institute of Music) from 1988 - 1989. Jazz studies w/ Don Better (Cleveland Institute of Music) from 1989 – 1990.*
 - *Regular professional ensemble / group performances during college.*
 - *Blues guitar studies w Johnny Hiland (Nashville, TN)*
- Bicycling
- Running
- Weightlifting
- Triathlon
- Sailing