

# CURRICULUM VITAE

July, 2011

## SUSHANT PUNJARAM KALE

**Addresses:** Southern Illinois University  
Department of Neurology  
Springfield, IL, 62704  
Mailcode: 9680  
217-545-6630  
Email: [skale@siumed.edu](mailto:skale@siumed.edu)

---

### Part I Education:

#### Medical Education

**07 / 1995 - 02 / 2001:** Bachelor of Medicine, Bachelor of Surgery (M.B.B.S),  
Byramjee Jeejeebhoy (B.J.) Medical College, Pune,  
University of Pune, India

#### Graduate School

**08/2001- 05/2004:** Master of Public Health (MPH),  
University of Alabama at Birmingham, Birmingham, AL,  
U.S.A.

### Part II Clinical Experience

**02/2000-05/2000** Internship in Medicine, Primary Health care center,  
Pohegaon, Dist. Ahemednagar, Maharashtra, India

**06/2000 -02/2001** Internship in Medicine, Maharashtra Medical Foundation's  
Joshi hospital. Pune, Maharashtra, India

**07/2004 – 06/2005** Resident in Internal Medicine, University of Arkansas for  
Medical Sciences, Little Rock, Arkansas,  
Arkansas Children's Hospital, Little Rock, AR  
McClellan Memorial Veterans Hospital, Little Rock, AR

**07/ 2005- 06/ 2008** Resident in Neurology, University of Arkansas for Medical  
Sciences, Little Rock, AR  
Arkansas Children's Hospital, Little Rock, AR

**McClellan Memorial Veterans Hospital, Little Rock, AR**

- 07/2008-06/2009**      **Fellow, Vascular Neurology (Stroke and cerebro-vascular diseases), Washington University in Saint Louis and Barnes and Jewish Hospital., Saint Louis, MO.**
- 07/2009-06/2011**      **Fellow, Interventional Neurology, Saint Louis University, Saint Louis, MO**
- 10/2009-06/2011**      **Staff Stroke Neurologist, Saint Louis university hospitals with Full privileges**
- 10/2009-06/2011**      **Staff Stroke Neurologist, SSM DePaul Health center, SSM Neurosciences institute, Saint Louis, MO**

**Current Appointment:**

- 07/2011-06/2013**      **Stroke Director at St John's Hospital and Assistant Professor of Neurology at Southern Illinois University, Springfield, IL**

**Part III: Publications and Presentations**

**Publications:**

**Lower incidence of symptomatic and asymptomatic vasospasm in elderly aneurysmal subarachnoid hemorrhage patients :** Sushant P Kale, MD.MPH; Amer Alshekhlee, MD, MSc; Randall C Edgell, MD, Justin Sweeny MD, Jason Felton MD, Nirav Vora, MD, Eli Feen, MD , Salvador Cruz-Flores, MD, MPH, Saleem Abdulrauf MD    Manuscript Published online in Journal of Stroke and cerebrovascular disease.  
doi:10.1016/j.jstrokecerebrovasdis.2011.05.024

**Is Thrombolysis Safe in the Elderly? Analysis of a National Database**  
Amer Alshekhlee, Afshin Mohammadi, Sonal Mehta, Randall C. Edgell, Nirav Vora, Eli Feen, Sushant Kale, Zaid A. Shakir and Salvador Cruz-Flores  
*Stroke* published online Sep 9, 2010; DOI: 10.1161/STROKEAHA.110.588632

**Hospital mortality and complications of electively clipped or coiled unruptured intracranial aneurysm** Amer Alshekhlee, MD, MSc; Randall C Edgell, MD, Nirav Vora, MD, Eli Feen, MD Sushant P Kale, MD., Salvador Cruz-Flores, MD, MPH *Stroke* published online Jun 3, 2010; DOI: 10.1161/STROKEAHA.110.580647

**Yield of catheter angiography in patients with intraparenchymal hemorrhage and intraventricular extension** Yasha Kadkhodayan, M.D, James E.

Kelly, M.D. **Sushant P Kale, M.D.**, Christopher J. Moran, M.D., DeWitte T. Cross, III, M.D., and Colin P. Derdeyn, M.D. Manuscript **Accepted** for Publication in Journal of Neurointerventional Surgery

**Endovascular therapy of a craniocervical pial AVF fed by the anterior spinal artery:** Amer Alsheklee, MD, MSc; Randy Edgell, MD; **Sushant Kale, MD**; Jacob Kitchener, MD; and Nirav Vora, MD. **J Neuroimaging.** 2011 Jan 11. doi: 10.1111/j.1552-6569.2010.00569.x. [Epub ahead of print]

**Stroke and thrombolysis in demented population: a large database analysis**  
Amer Alsheklee, MD, MSc,<sup>1</sup> Chien-Ching Li, MPH,<sup>2</sup> Shao-Yuan Chuang, MPH<sup>3</sup> **Sushant Kale, MD, MPH**; Jacob Kitchener, MD; Eli Feen, MD; Paisith Piriyaawat, MD; Charlie Callison, MD; Randall Edgell, MD; Nirav Vora, MD; Salvador Cruz-flores, MD, MPH **Accepted** for Publication in Journal "Neurology"

## **Abstracts:**

**Effect of ventriculostomy on outcome in intracranial hemorrhage with intraventricular extension.** **Sushant Kale**, Nandkumar Vittal, Wei Tang, Salah Keyrouz, James Schmidley. It has been presented as an **abstract** and for the **presentation in the highlights session** at the AAN meeting in April 2008 in Chicago, IL.

**Midline Shift following ventriculostomy: a fatal outcome.** Wei tang, **Sushant Kale**, James Schmidley, Salah Keyrouz It has been presented as an abstract at American Academy of Neurology Meeting in April 2008 in Chicago.

**Lower incidence of symptomatic and asymptomatic vasospasm in elderly aneurysmal subarachnoid hemorrhage patients :** **Sushant Kale, MD.MPH**; Amer Alsheklee, MD, MSc; Randall C Edgell, MD, Nirav Vora, MD, Eli Feen, MD , Salvador Cruz-Flores, MD, MPH Presented at International Stroke Conference in Feb 2010,

**Vertebral artery origin disease: A neglected cause of posterior circulation stroke and TIA :** Presented in The American Society of Neuroimaging's 33<sup>rd</sup> annual international meeting in Jan 2010

**Predictors of good clinical outcome in patients with cerebral infarcts in the posterior circulation :** Presented in American academy of Neurology Conference in April 2010

**The Risk of Thrombolysis in Demented Population: A Case Control Study**  
Amer Alsheklee, MD, MSc; Jacob Kitchener, MD; **Sushant Kale, MD**; Eli Feen, MD; Paisith Piriyaawat, MD; Charlie Callison, MD; Randall Edgell, MD; Nirav Vora, MD; Salvador Cruz-flores, MD, MPH, presented in International Stroke Conference in Feb 2011

**Thrombectomy-treated ischemic stroke. An analysis from the National Inpatient U.S. Sample** Amer Alsheklee, MD, MSc; Jacob Kitchener, MD; **Sushant Kale, MD**; Eli Feen, MD; Paisith Piriyaawat, MD; Charlie Callison, MD; Randall Edgell, MD; Nirav Vora, MD; Salvador Cruz-flores, MD, MPH Presented in International Stroke Conference in Feb 2011

**Imaging Criteria as a Surrogate Marker for Outcomes after Intra-arterial Thrombolysis.** Jacob Kitchener, Mouhammed Jumaa, **Sushant Kale**, Amer Alsheklee, Ritesh Kaushal, Tagann Chaisam, John Chibnall, Eli Feen, Paisith Piriawat, Salvador Cruz-flores, Charlie Callison, Randall Edgell, Tudor Jovin, Nirav Vora. Presented in International Stroke Conference in Feb 2011

### **Invited and teaching Presentations:**

#### **Invited Grand Rounds:**

- April 2007**    **Invited Departmental Grand Rounds: Use of EVD in Intraventricular hemorrhage:** presentation of interim study results  
University of Arkansas for Medical Sciences, Little Rock, Arkansas
- June 2008**    **Invited departmental grand rounds: Pregnancy and stroke**  
University of Arkansas for Medical Sciences, Little Rock, Arkansas
- May 2010**    **Invited Departmental Grand Rounds: Subarachnoid Hemorrhage and Vasospasm.** Department of Neurology, Saint Louis University.
- Sep 2010**    **Invited Departmental Grand Rounds: Interventional Treatment of Stroke** Department of Neurology, Southern Illinois University School of Medicine, Springfield, Illinois
- May 2011**    **Invited Departmental Grand Rounds : Carotid Blowout Syndrome .** Department of Neurology, Saint Louis University

### **Evidence Based treatment of Stroke Lecture series at Washington University:**

- Oct 2008**    Invited departmental presentation: **Review of Thrombolytic treatment of Stroke and ECASS III study results and its projected impact on institutional stroke treatment practice.**  
Washington University in Saint Louis, Saint Louis, MO
- Mar 2009**    Invited departmental Presentation: **Important research in stroke from International stroke conference 2009: Results of CLEAR IVH trial** Washington University in Saint Louis, Saint Louis, MO



## **Part IV: Clinical Research trials involvement**

### **Institutional Sub-investigator on the following clinical trials (While At Washington University)**

**APCAST:** NIH Funded Phase II, multi-center, dose-escalation safety and feasibility trial for use of activated protein C in acute stroke treatment.

**Brain Troponin:** Institutional trial looking at the role of Biomarker in determining the stroke severity

**IMS III:** NIH Funded Interventional management of stroke trial

**MR-OMI:** NIH funded clinical trial MR Derived Cerebral Oxygen Metabolism as a Predictor of Infarction

**EXTEND:** NIH Funded clinical trial Extending the Therapeutic Window of iv tPA for Brainstem and Cerebellar Stroke

**4 BALANCE:** CSL Beringer Funded clinical trial looking at safety and efficacy of Prothombin complex concentrate in treatment of intracerebral hemorrhage.

**IRIS:** NIH funded clinical trial testing for insulin resistance Intervention after stroke or TIA

**RESPECT:** AGA Funded trial looking at comparison at outcome in patients with patent foramen ovale (hole in the heart) who are treated with the PFO closure Vs best medical management.

**TRA-2P:** Schering-Plough funded clinical trial looking at safety and efficacy of thrombin receptor antagonist for secondary prevention of atherothrombotic ischemic events

**VERITAS:** NINDS funded clinical trial of The Vertebrobasilar Flow Evaluation and Risk of Transient Ischemic Attack and Stroke

**BRAIN MRI:** NIH Funded clinical trial looking at recovery in patient with brain hemorrhages.

**SWISS:** NIH funded clinical trail of Siblings with Ischemic **Stroke** Study

### **Institutional Sub investigator in clinical trials at SLU:**

**IMS III:** NIH Funded trial looking in to the interventional management of stroke with in 3 hrs.

**MR RESCUE :** NIH funded. MRI protocol derived trial looking in to the interventional treatment of stroke within 6 hrs

**IRIS:** NIH funded clinical trial testing for insulin resistance Intervention after stroke or TIA

**CLEAR III:** NIH funded trial looking in to the use of intraventricular tPA in patient with intraventricular hemorrhage

**SENTIS:** Trial looking in to the use of intraaortic balloon inflation for increasing the cerebral blood flow in patients with acute stroke. (Stopped Enrolling)

**ALIAS:** Trial looking in to the use of albumin as a neuroprotective agent in stroke

**ARUBA:** A Randomized Trial of Unruptured Brain AVMs

**ICTUS 2:** NIH Funded trial for Intravascular Cooling for Acute Stroke

**VISSIT:** A Study designed to compare clinical outcomes between patients treated with the Vitesse Balloon Expandable Stent and the current best medical practice for intracranial atherosclerotic disease.

**HCAT:** Hydrocoil Cerecyte Aneurysm Treatment Trial—Comparing outcomes between two different coils for aneurysm treatment.

**SPS3:** NIH funded study in Secondary Prevention of small subcortical stroke

**BORIALIS:** Evaluation of Weekly Subcutaneous Biotinylated Idraparinux Versus Oral Adjusted-dose Warfarin to Prevent Stroke and Systemic Thromboembolic Events in Patients With Atrial Fibrillation

## **Part V: Teaching**

- 1) Clinical Teaching, evaluation and supervision:** Residents and medical students on rounds as an attending on stroke service in Saint Louis University Hospital
- 2) Tutor for SIGN (student interest group in neurology):** I served as a tutor of the Neurology and Neuroscience in student interest Group in neurology for second year medical students at UAMS.
- 3) Neurology Professor's Round:** Working as an acting attending on stroke service I conducted the professor's rounds for the medical student at Washington University

**4) Medical Student teaching:** I am currently involved in teaching stroke and cerebrovascular diseases to medical students as a part of their neuroscience lecture series.

## **Part VI Journal / Manuscript reviewer**

**Guidelines reviewer:** Guidelines reviewer for American Academy of Neurology

**Journal Reviewer:** 1. Reviewer for “*Continuum: Lifelong Learning in Neurology*”, the AAN’s premier CME journal  
2. Ad-hoc Reviewer for “Frontiers in Endovascular and Interventional Neurology”  
3. Ad-hoc Reviewer for “Journal of Neuroimaging”

**Clinical Trials Reviewer:** Reviewer for Washington University’s Internet Stroke Center.

## **Part VII Honors, Awards, Grants /Scholarships:**

2007-2008      Jess R. Nickols Prize and Best Outgoing house staff award for commitment to excellence in patient care and teaching and the respectful treatment to veterans

2006-2007      Best house staff award for patient care and teaching

2005-2006      Best house staff award for patient care and teaching

**Travel Grant Sep 2006:** Symposium on Organ Donation on behalf of neurology department.

**Travel Grant: January 2007:** Epilepsy mini-fellowship program at Wake forest University in Winston-Salem.

**Travel Scholarship Oct 2007:** Symposium “The use of Botulinum Toxin in Neurological Disorders” Sponsored by Callosal Connection through Unrestricted Educational grant from Allergan

**Travel Scholarship Nov. 2007:** 4<sup>th</sup> Annual Neurology Resident Forum: “Update on management of Multiple sclerosis and Parkinson’s disease” Sponsored by Northwestern University

**Travel Scholarship Award April 2008:** Third Annual Vascular Neurology Review Course sponsored by Zeenat Qureshi Stroke research Center at University of Minnesota.

**Travel Grant April 2008:** Awarded by University of Arkansas for medical sciences to present results of my research studies at American Academy of Neurology meeting at Chicago.

**Travel Grant Feb 2009:** To attend the International Stroke Conference at San Diego, Sponsored by Washington University in Saint Louis.

**Travel Award Feb 2010:** By Saint Louis Univ. Dept of Neurology, For Poster presentation at International stroke conference at San Antonio TX.

## **Part VII: Examination/ Licensure/ Certifications**

### **Board Examinations:**

**2002 USMLE Step 1: United States Medical Licensing exam**

**2003 CSA : Clinical Skill Assessment**

**2003 USMLE Step 2: United States Medical Licensing exam**

**2004 USMLE Step 3: United States Medical Licensing exam**

**2003 ECFMG : Educational council for foreign medical graduates:  
Certified**

**2008 ABPN : American Board of Psychiatry and Neurology: Diplomate  
of American Board of Psychiatry and Neurology**

**Medical Licensure :** Missouri Medical Board: Active  
Maharashtra medical council, India: Active

**DEA : Drug enforcement administration Certified**

**BNDD : Bureau of Narcotics and dangerous drugs Certified**

**ACLS : Advanced cardiac life support Certified**

**BLS : Basic Life support Certified**

## **Part VIII: Professional Societies: Member of following societies**

2006- American Academy of Neurology ([www.aan.org](http://www.aan.org))

2008- American Heart Association /American Stroke Association:

2009- Society of vascular and interventional Neurology: ([www.svineuro.org](http://www.svineuro.org) )