Manoj K Mittal MBBS, MSc

Medical Director, Stroke and Neurocritical Care

Sutter Medical Center

<https://orcid.org/0000-0001-7799-7927>

### **Chronology of professional activities:**

| **Type of activity** | **Specialty** | **Place** | **From** | **To** |
| --- | --- | --- | --- | --- |
| Practice | Neurology/Neurocritical Care | Sutter Medical Center, Sacramento, CA, USA | 9/11/2017 | Now |
| Vacation |  |  | 8/1/2017 | 9/10/2017 |
| Practice | Neurology/Neurocritical Care | The University of Kansas Medical Center; Kansas City, KS | 7/1/2013 | 7/31/2017 |
| Fellowship | Neurocritical Care | Mayo Clinic, Rochester, MN | 7/1/2011 | 6/30/2013 |
| Residency | Neurology | The University of Kansas Medical Center; Kansas City, KS | 7/1/2008 | 6/30/2011 |
| Internship | Internal Medicine | Westlake Hospital, Melrose Park, IL | 6/19/2007 | 6/18/2008 |
| Vacation and Interviews | Residency Interviews and Travel in India and USA |  | 10/26/2006 | 6/18/2007 |
| Junior Resident (Physician Assistant) | Neurology | Institute of Human Behavior and Allied Sciences; Delhi, INDIA | 8/10/2006 | 10/25/2006 |
| Vacation |  | Studying for USMLE Step 3, USA | 6/11/2006 | 8/9/2006 |
| Observership | Pediatric Neurology | New York Presbyterian Hospital, New York, NY, USA | 3/8/2006 | 6/10/2006 |
| Research Associate | Neurology | Institute of Human Behavior and Allied Sciences; Delhi, INDIA | 6/11/2005 | 2/28/2006 |
| Junior Resident (Physician Assistant) | Neurosurgery | Guru Teg Bahadur Hospital; Delhi, INDIA | 1/1/2005 | 6/10/2005 |
| Bachelors in Medicine and Bachelors in Surgery (MBBS) | Medical School | University College of Medical Science  Delhi, INDIA | 7/16/1999 | 12/31/2004 |

### **EDUCATION**

Executive MBA Haas School of Business, University of California Berkeley

July 2021- 2023

Clinician Leadership Intensive Sutter Health, Sacramento, CA

Certificate Program Certificate

April 2018-June 2018

Physician as Educators Certificate Program Kansas University Medical Center

2017-2018 Kansas City, KS

CTSA’s Postdoctoral Master's Degree Program Mayo Clinic, Rochester, MN

July 2012-April 2014

Mayo’s Silver Quality fellow Mayo Clinic, Rochester, MN

Neurocritical Care Fellowship Mayo Clinic, Rochester, MN

July 2011- June 2013

Neurology Residency

July 2008- June 2011

Internal Medicine Internship

June 2007- June 2008

Bachelors in Medicine and Bachelors in Surgery (MBBS)

July 1999- March 2005

Kansas University Medical Center

Kansas City, KS

Resurrection Westlake Hospital, Melrose Park, IL

University College of Medical Science

Delhi, INDIA

### **BOARD CERTIFICATION**

Neurocritical care board (United Council of Neurological Subspecialties) December 2013

American Board of Psychiatry and Neurology Board (57081) September 2011

ECFMG Certified, USMLE (Identification Number 0-672-6657)

# **LICENSES AND CERTIFICATIONS**

State of California Physician License

Emergency Neurological Life Support (ENLS), 2014-present

Advanced Cardiac Life Support Provider, 2007-present

Basic Life Support Provider, 2007-present

### **MEDICAL EMPLOYMENT**

*Medical Director, Stroke and Neurocritical Care Sutter Medical Center; Sacramento, CA*

*9/2017-*

*Volunteer Associate Professor, Neurology UC Davis Medical Center; Sacramento, CA*

*9/2017-*

*Assistant Professor, Neurology The University of Kansas Medical Center; Kansas City, KS*

*7/2013-7/2017*

*Physician assistant, Neurology Institute of Human Behavior and Allied Sciences;* Delhi, INDIA

8/2006- 10/2006

*Physician assistant, Neurosurgery Guru Teg Bahadur Hospital;* Delhi, INDIA

1/2005-6/2005

*Medical Intern* *Guru Teg Bahadur Hospital;* Delhi, INDIA.

1/2004-12/2004

### **ADMINISTRATIVE**

2022- Medical Director, Stroke, Sutter Health Neurosciences Service line

2017- Medical Director, Stroke and Neurocritical Care at SMCS and Neurosciences Service line

2017- Member, Sutter Neuroscience Institute Innovation Committee at SMCS

2017- Member, Sutter Neuroscience Institute Leadership Committee at SMCS

2017- Member, Sutter Neuroscience Institute Leadership Committee at SMCS

2017- Member, Hospital Consumer Assessment of Healthcare Providers and

Systems at SMCS

2017- Member, Sutter Medical Group Nominations Committee

2014-2017 Program Director, KUMC Neurocritical care fellowship (started the program, got UCNS accreditation, and recruited first fellow)

2016-2017 Member, Medical Student Society (Orr) at KUMC

2014–2015 Elected Ad hoc member, Executive Neurology Committee at KUMC

2013-2017 Member, Resident Selection and Evaluation Committee at KUMC

2014-2017 Member, Neurology Resident Curriculum Development Committee, KUMC

2013-2017 Member of Neuro ICU faculty and nurse practitioner hiring committee,

KUMC

2013-2017 Member of Neuro ICU/Stroke/Neurology Clinic Quality Improvement team

at KUMC

2012-2013 Member of Neuro ICU’s quality improvement team at Mayo Clinic,

Rochester, MN

2010-2011 Representative of neurology residents at the resident’s council at KUMC,

Kansas City, KS

2005 Former president of the Thalmed a.i. a Non-Profit Organization based in

Delhi, INDIA

2002 Former general secretary of the DMSA (Delhi Medical Students

Association), Delhi, INDIA

2002 Former general secretary of the medical students association Delhi, INDIA

### **NATIONAL LEADERSHIP**

2014-2015 Member of Neurocritical Care Society Fellowship Director Committee

2014- 2017 Member of Neurocritical Care Society Fundraising Committee

2014- 2016 Member of Neurocritical Care Society Future Leaders Committee

2015- 2017 Member of Neurocritical Care Society ENLS Subcommittee

### **RESEARCH ASSISTANT**

2005 - 2006 *Institute of Human Behavior and Allied Sciences, Delhi, INDIA*

Supervisor*-* Dr. Meena Gupta

An integrated approach for mutation analysis and identification of new genes for x-linked mental retardation funded by department of Biotechnology, Indian Government.

4/2003 - 12/2003 *University College of Medical Sciences, Delhi, INDIA*

Mentor: Dr. A.K. Sethi

"Awareness about anesthesiologist and scope of anesthesiology in non- surgical patients and their attendants" funded by Indian Council of Medical Research.

### **PUBLICATIONS (\*Denoted mentored the project)**

### **PAPERS PUBLISHED IN PEER-REVIEWED JOURNALS (43)**

1. Nogueira RG et al, Global Impact of COVID-19 on Stroke Care and IV Thrombolysis. Neurology. 2021 Jun 8;96(23):e2824-e2838.
2. Picinich CM, Ruiz MA, **Mittal MK,** Waldau B**.** Incidence of post-operative cerebral aneurysm clip slippage: Review of a consecutive case series of 115 clipped aneurysms. World Neurosurg. 2022 Feb 26:S1878-8750(22)00241-8
3. Johnston SC, Easton JD, Farrant M, Barsan W, Conwit RA, Elm JJ, Kim AS, Lindblad AS, Palesch YY; Clinical Research Collaboration, Neurological Emergencies Treatment Trials Network, and the POINT Investigators. Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA. N Engl J Med. 2018 Jul 19;379(3):215-225.
4. Malhotra K, Rumalla K, **Mittal MK\*.** Association and Clinical Outcomes of Marijuana in Patients with Intracerebral Hemorrhage. J Stroke Cerebrovasc Dis. 2018 Dec;27(12):3479-3486
5. Rumalla K, Smith KA, Arnold PM, **Mittal MK\***. Subarachnoid Hemorrhage and Readmissions: National Rates, Causes, Risk Factors, and Outcomes in 16,001 Hospitalized Patients. World Neurosurg. 2018 Feb;110:e100-e111
6. Sarraj A, Sangha N, Hussain MS, et al. Endovascular Therapy for Acute Ischemic Stroke with Middle Cerebral Artery M2 Occlusions. JAMA Neurol. 2016 (Accepted).
7. **Mittal MK**, Rabinstein AA, Mandrekar J, Brown RD Jr, Flemming KD. A population-based study for 30-d hospital readmissions after acute ischemic stroke. Int J Neurosci. 2016 Jul 14:1-9.
8. Sisante JV, Abraham MG, Phadnis MA, Billinger SA, **Mittal MK**\*. Ambulatory Status against Venous Thromboembolism in Acute Mild Ischemic Stroke Patients. J Stroke Cerebrovasc Dis. 2016 Jul 13. pii: S1052-3057(16)30144-6.
9. Reddy AY, Rumalla K, **Mittal MK**\*. Letter by Reddy et al Regarding Article, "Cannabis Use and Outcomes in Patients With Aneurysmal Subarachnoid Hemorrhage". Stroke. 2016 Jul;47(7):e199.
10. Rumalla K, **Mittal MK\***. Gastrointestinal Bleeding in Acute Ischemic Stroke: A Population-Based Analysis of Hospitalizations in the United States. J Stroke Cerebrovasc Dis. 2016 (accepted)
11. Rumalla K, **Mittal MK\***. Acute Renal Failure in Aneurysmal Subarachnoid Hemorrhage: Nationwide Analysis of Hospitalizations in the United States. World Neurosurg. 2016 Mar 9. pii: S1878-8750(16)00407-1.
12. Rumalla K, Reddy AY, **Mittal MK\***. Recreational marijuana use and acute ischemic stroke: A population-based analysis of hospitalized patients in the United States. J Neurol Sci. 2016 Feb 4. pii: S0022-510X(16)30066-1.
13. Rumalla K, Reddy AY, **Mittal MK\***. Association of Recreational Marijuana Use with Aneurysmal Subarachnoid Hemorrhage. J Stroke Cerebrovasc Dis. 2016 Feb;25(2):452-60.
14. Gupta H, Patel R, Gundogdu B, Hinduja A, **Mittal M\***. Analysis of YouTube as a Source of Information for Peripheral Neuropathy. Muscle Nerve. 2015
15. **Mittal MK**, Rabinstein AA, Hocker SE, Pittock SJ, M Wijdicks EF, McKeon A. Autoimmune Encephalitis in the ICU: Analysis of Phenotypes, Serologic Findings, and Outcomes. Neurocrit Care. 2015 Aug 29.
16. **Mittal MK,** Kashyap R, Herasevich V, Rabinstein AA, Wijdicks EF. Do patients in a medical or surgical ICU benefit from a neurologic consultation? Int J Neurosci. 2014 Sep 10.
17. Gupta HV, Farrell AM, **Mittal MK\*.** Transient ischemic attacks: predictability of future ischemic stroke or transient ischemic attack events. Ther Clin Risk Manag. 2014 Jan 8;10:27-35.
18. Singh B, Parsaik A, Prokop LJ, **Mittal MK\***. Endovascular Therapy for Acute Ischemic Stroke: A Systematic Review and Meta-analysis. Mayo Clinic Proceedings 2013. Oct;88(10):1056-1065.
19. Berkowitz AL, **Mittal M**, McLane HC, Shen GC, Muralidharan R, Lyons JL, Shinohara RT, Shuaib A, Mateen FJ. Worldwide reported use of IV tissue plasminogen activator for acute ischemic stroke. Int J Stroke. 2014 Apr;9(3):349-55.
20. **Mittal MK**, Rabinstein AA, Wijdicks EF. OVAL PUPIL: TWO OBSERVATIONS. Neurology. 2013 Oct 22;81(17):e124-5.
21. **Mittal MK**, McCormick JB, Sposato LA, Grimaud O. Neighborhood socioeconomic status and stroke mortality: Disentangling individual and area effects. Neurology. 2013 Sep 3;81(10):938-9.
22. **Mittal MK**, Burrus TM, Campeau NG, Eckel42 presentaitons in7 invited lectures. Reviewed 40 scientific pap LJ, Rabinstein AA, Wijdicks EF. Pearls & Oy-sters: Good recovery following cerebral fat embolization with paroxysmal hyperactivity syndrome. Neurology. 2013 Oct 1;81(14):e107-e109.
23. **Mittal MK**, McCormick JB. Letter by Mittal and McCormick regarding article,"self-report of stroke, transient ischemic attack, or stroke symptoms and risk of future stroke in the REasons for Geographic and Racial Differences in Stroke (REGARDS) study". Stroke. 2013 May;44(5):e53.
24. **Mittal MK**, Sloan JA, Rabinstein AA. Facebook: can it be a diagnostic tool for neurologists? BMJ Case Reports 2012:published online 22 August 2012
25. **Mittal MK**, Rabinstein AA. Spinal cord meningioma: a treatable cause of paraplegia. J Clin Med Res. 2012 Aug;4(4):286-8.
26. **Mittal MK**, Rabinstein AA. Anticoagulation-related intracranial hemorrhages. Curr Atheroscler Rep. 2012 Aug;14(4):351-9.
27. **Mittal MK**, Arteaga GM, Wijdicks EF. Thumbs up sign in brain death. Neurocrit Care. 2012 Oct;17(2):265-7.
28. Moore SA, **Mittal MK**, Rabinstein AA. Duret hemorrhage following subdural hematoma evacuation. JAMA Neurol. 2013 Apr;70(4):518.
29. **Mittal MK**, Rymer M, Lai SM. Should All Mild Ischemic Strokes Be Excluded from Therapeutic Stroke Trials?J Clin Neurosci. 2012 Nov;19(11):1486-9.
30. **Mittal MK**, Rabinstein A, Wijdicks E. Acute spinal cord infarction following endoscopic ultrasound guided celiac plexus neurolysis. Neurology February 28, 2012 78:e57-e59
31. **Mittal MK**, Seet RC, Zhang Y, Brown RD Jr, Rabinstein AA. Safety of intravenous thrombolysis in acute ischemic stroke patients with saccular intracranial aneurysms. J Stroke Cerebrovasc Dis. 2013 Jul;22(5):639-43.
32. Crobeddu E, **Mittal MK**, Dupont S, Wijdicks EF, Lanzino G, Rabinstein AA. Predicting the lack of development of delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage. Stroke. 2012 Mar;43(3):697-701.
33. Haji S, **Mittal MK**, Wijdicks EF. Waking up from coronary bypass surgery and one eye does not move right. Neurocrit Care. 2012 Jun;16(3):452-5.
34. **Mittal MK**, Burkholder DB, Wijdicks EF. Blood-fluid level on computed tomography head: a sign of warfarin-associated intraparenchymal hemorrhage. Am J Emerg Med. 2012 Nov;30(9):2079.e1-2.
35. **Mittal M**, Pasnoor M, Mummaneni RB, Khan S, McVey A, Saperstein D, Herbelin L, Ridings L, Wang Y, Dimachkie MM, Barohn RJ. Retrospective chart review of duloxetine and pregabalin in the treatment of painful neuropathy. Int J Neurosci. 2011 Sep;121(9):521-7.
36. **Mittal MK**, Barohn RJ, Pasnoor M, McVey A, Herbelin L, Whittaker T, Dimachkie M. Ocular myasthenia gravis in an academic neuro-ophthalmology clinic: clinical features and therapeutic response. J Clin Neuromuscul Dis. 2011 Sep;13(1):46-52.
37. **Mittal MK**, Lele A. Predictors of poor outcome at hospital discharge following a spontaneous intracerebral hemorrhage. Int J Neurosci. 2011 May;121(5):267-70.
38. **Mittal M**, Wang Y, Reeves A, Newell K. Methadone-induced delayed posthypoxic encephalopathy: clinical, radiological, and pathological findings. Case Report Med. 2010:716494. Epub 2010 Dec 9.
39. **Mittal M**, Hammond N, Husmann K, Lele A, Pasnoor M. Creutzfeldt-Jakob disease presenting as bulbar palsy. Muscle Nerve. 2010 Nov;42(5):833-5.
40. **Mittal M**, Hammond N, G Lynch S. Immunotherapy responsive autoimmune subacute encephalitis: a report of two cases. Case Report Med. 2010:837371. Epub 2010 Mar 18.
41. **Mittal M**, Khan S. Starvation causes acute psychosis due to anterior thalamic infarction. South Med J. 2010 Jul; 103(7):701-3.
42. **Mittal M**, Giron LT Jr. Elvis is back: musical hallucinations in a Parkinson disease patient. South Med J. 2010 Aug; 103(8):837-41.
43. **Mittal M**, Sethi AK, Tyagi A, Mohta M. Awareness about anesthesiologist and scope of anesthesiology in non-surgical patients and their attendants. Indian Journal of Anesthesia, Dec 2005, 49(6); 492-498

**BOOK CHAPTER (1)**

**Mittal MK**, Wijdicks EF: Muscular Paralysis: Myasthenia Gravis and Polyneuritis. In: Critical care medicine: Principles of diagnosis and management in the adult. Edited by Joseph E. Parrillo and R. Philip Dellinger. Mosby Elsevier. Philadelphia, 2013.

### **ABSTRACTS (53)**

1. Sarraj A, Sangha N, Hussain MS, et al. Abstract 202: Endovascular Therapy for Acute Ischemic Stroke With Distal Large Vessel Occlusion in the Anterior Circulation. Stroke 2016; 47:A202
2. Rumalla K, Reddy A, Tumalapenta S, **Mittal M\***. Assessing Quality of Patient Care in Pediatric Stroke Hospitalizations: An Analysis of the Nationwide Inpatient Sample. Stroke 2016;47:AWP407
3. Rumalla K, Reddy A, Rajan A, **Mittal M\***. Appraising the Quality of Patient Care in Hospitalization for Transient Ischemic Attack. Stroke. 2016;47:ATP316
4. Rumalla K, Reddy A, Letchuman V, Berger P, **Mittal M\***. Gastrointestinal Bowel Obstruction in Acute Ischemic Stroke: Incidence, Risk Factors, and Outcomes. Stroke. 2016;47:ATP161,
5. Rumalla K, Singh A, Rajan A, Letchuman V, **Mittal M\***. Short-Term Outcomes in Pediatric Ischemic Stroke: An Analysis of the Nationwide Inpatient Sample, 2002-2011. Stroke. 2016;47:AWP410
6. **Mittal M** et al. Endovascular Therapy for Acute Ischemic Stroke with Distal Large Vessel Occlusion in the Anterior Circulation. Stroke. 2016;47:A202
7. Rumalla K, Rajan A, **Mittal M\***. Incidence, Risk Factors, and In-Hospital Outcomes Associated With Hospital-Acquired Conditions and Patient Safety Indicators in Spontaneous Intracerebral Hemorrhage. Stroke. 2016;47:AWP316
8. Rumalla K, Reddy A, Gummadi R, **Mittal M\***. Acute Kidney Injury in Aneurysmal Subarachnoid Hemorrhage: Incidence, Risk Factors, and Outcomes. Stroke. 2016;47:A196
9. Rumalla K, Singh A, **Mittal M\***.Intraoperative Neurophysiological Monitoring in Carotid Endarterectomy: An Analysis of the Nationwide Inpatient Sample. Stroke. 2016;47:ATP126
10. Sharrock M, Abraham M, Albadareen R, Keshary S, **Mittal M\***. Fluoroscopy Time: an Early Predictor of Outcome After Thrombectomy for Acute Ischemic Stroke. Stroke. 2016;47:ATP320
11. Rumalla K, Reddy A, Berger P, **Mittal M\***. Gastrointestinal Bleeding in Acute Ischemic Stroke: A Nationwide Inpatient Sample Study. Stroke. 2016;47:A137
12. Rumalla K, Reddy A, **Mittal M\*.** Association of Marijuana Abuse with Aneurysmal Subarachnoid Hemorrhage (poster 215). Neurocrit Care (2015) 23:S1–S289
13. Reddy A, Rumalla K, **Mittal M\*.** Recreational Marijuana Use and Intracerebral Hemorrhagic Stroke: A Nationwide Inpatient Sample Study (poster 87). Neurocrit Care (2015) 23:S1–S289
14. Rumalla K, Reddy A, **Mittal M\*.** Recreational Marijuana Use and Acute Ischemic Stroke (poster 119): A Nationwide Inpatient Sample Study. Neurocrit Care (2015) 23:S1–S289
15. Rumalla K, Bijlani P, Gondi K, **Mittal M\*.** High Prevalence of Traumatic Brain Injury in Parkinson Disease: A Nationwide Inpatient Sample Study (S446). Annals of Neurology Vol 78 (suppl 19) 2015
16. Rumalla K, Reddy A, Bijlani P, **Mittal M\*.** Surgical Treatment of Traumatic Subdural Hematoma: Weekday versus Weekend Admission (S615). Annals of Neurology Vol 78 (suppl 19) 2015
17. Rumalla K, Bijlani P, Reddy A, **Mittal M\*.** Decompressive Craniectomy Reduces Inpatient Mortality in Subdural Hematoma: Analysis of the Nationwide Inpatient Sample (S612). Annals of Neurology Vol 78 (suppl 19) 2015
18. Rumalla K, Reddy A, **Mittal M\*.** Hyponatremia as an Independent Predictor of Mortality in Myasthenic Crisis (S614). Annals of Neurology Vol 78 (suppl 19) 2015
19. Rumalla K, Reddy A, Bijlani P, **Mittal M\*.** Hyponatremia as an Independent Predictor of Mortality in Guillain-Barre Syndrome: A Nationwide Inpatient Sample Analysis (S613). Annals of Neurology Vol 78 (suppl 19) 2015
20. Rumalla K, Reddy A, Bijlani P, **Mittal M\*.** Generalized Convulsive Epilepsy as a Predictor of Traumatic Subdural Hematoma: A Nationwide Inpatient Sample Analysis (S313). Annals of Neurology Vol 78 (suppl 19) 2015
21. Gupta H, Patel R, Gundogdu B, **Mittal M\*,** Hinduja A. Youtube and peripheral neuropathy: What patients want? (p7.072). Neurology. 2015;84
22. McKeon A, **Mittal M,** Hocker S, Pittock S, Wijdicks E, Rabinstein A. Autoimmune encephalitis in the icu: Serological spectrum, clinical courses, complications and outcomes (p4.046). Neurology. 2015;84
23. McKeon A, **Mittal M,** Hocker S, Pittock S, Wijdicks E, Rabinstein A. Autoimmune encephalitis in the icu: Serological spectrum, clinical courses, complications and outcomes (i4-5a). Neurology. 2015;84
24. **Mittal M,** Adabala N. Stroke patterns and short term mortality in marijuana users and non-users: A cross-sectional study (p1.061). Neurology. 2015;84
25. Sisante J, Abraham M, Billinger S, **Mittal M**\*. Ambulatory Status: A Protective Mechanism against Venous Thromboembolism in Acute Stroke Patients. Stroke 2015; 46:ATP299.
26. Sisante J, Abraham M, Billinger S, **Mittal M**\*. A Retrospective Cohort Study: Effect of Ambulation on Urinary Tract Infections in Acute Stroke Patients. Stroke 2015; 46:ATP304.
27. Uysal U, **Mittal M,** Hammond N. Surgical treatment of recurrent super-refractory status epilepticus: a case report (Poster 2.111). 2014 (published only online at https://shar.es/178sn3)
28. **Mittal M.K.**, Rocca W.A., Rabinstein A.A., Wijdicks E.F.M.,Brown R.D. Jr., Flemming K.D. Intravenous Thrombolysis Utilization And Mortality After Acute Ischemic Stroke In A Population Based US Study. Neuroepidemiology 2013;41:252
29. **Mittal M.K.**, Rocca W.A., Rabinstein A.A., Wijdicks E.F.M., Brown R.D. Jr., Flemming K.D. Acute Ischemic Stroke And Sex Differences: A Population Based US Study. Neuroepidemiology 2013;41:270
30. **Mittal M**, Berkowitz A, McLane H, Shen G, Muralidharan R, Lyons J, et al. Reported use of iv-tissue plasminogen activator (iv-tpa) for acute ischemic stroke (ais) worldwide: A systematic review (in7-2.001). Neurology. 2013;80:IN7-2.001
31. **Mittal M**, Berkowitz A, McLane H, Shen G, Muralidharan R, Lyons J, et al. Reported use of iv-tissue plasminogen activator (iv-tpa) for acute ischemic stroke (ais) worldwide: A systematic review (s09.002). Neurology. 2013;80:S09.002
32. Toma H, **Mittal M\***, Gronseth G, Dubinsky R. The Impact of Neurohospitalist Service on In-Patient Outcomes: An Academic Medical Center Experience. Neurology February 12, 2013; 80 (Meeting Abstracts 1): P04.249
33. Smischney N, Anderson P, **Mittal M**, Kuper P, Francis W. Development of A Structured Communication Tool to Prevent Unplanned Surgical ICU Readmissions. Critical Care Medicine, December 2012 - Volume 40 - Issue 12: 163
34. **Mittal M**, Burrus T, Fugate J, Eckel L, Rabinstein A, Wijdicks E. Coma From Cerebral Fat Embolism Complicated by Paroxysmal Hyperactivity Syndrome But Good Outcome. Neurocrit Care 2012
35. **Mittal M**, Seet R, Yi Z, Rabinstein A. Why Should I Read My Own CT Scans? Neurology S39.006.
36. **Mittal M**, Seet R, Yi Z, Rabinstein A. Hyperdense MCA Sign- Objective Criteria for Measurement. Stroke 2012; 43: A2852
37. **Mittal M**, Seet R, Yi Z, Rabinstein A. Hyperdense MCA as a Predictor of Stroke Severity: Does Size Matter? Stroke 2012; 43: A2835
38. **Mittal M**, Seet R, Yi Z, Rabinstein A. Aspect Score: DWI or CT Scan, Which One Is Better Marker For Stroke Morbidity And Outcome? Stroke 2012; 43: A2840
39. Crobeddu E, **Mittal MK**, Dupont S, Wijdicks EF, Lanzino G, Rabinstein AA. Predicting the lack of development of delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage. Stroke 2012; 43: A2492
40. Noorollah L, Rippee M, **Mittal M**, Gronseth G. Creutzfield Jakob Disease after Liver Transplantation: A Case Report. Neurology Vol 76, P01/028 March 2011 (suppl 4). A29.
41. **Mittal M**, Lynch S. Neuromyelitis Optica – 13 Years Experience from an Academic Multiple Sclerosis Clinic. Neurology Vol 76, P01/174 March 2011 (suppl 4). A63.
42. **Mittal M**, Barohn R, Pasnoor M, McVey A, Herbelin L, Whittaker T, Dimachkie M. Ocular myasthenia gravis in an academic neuro-opthalmology clinic: a retrospective cohort study. Neurology Vol 76, P03/263 March 2011 (suppl 4). A251.
43. **Mittal M**, Akhtar N, Martin C, Holloway W, Rymer M, Sugg R. Management of Acute Ischemic Stroke Associated with Acute Internal Carotid Artery Occlusion. Stroke Vol 42, No 3 March 2011. e184.
44. **Mittal M**, Akhtar N, Martin C, Holloway W, Sugg R, Rymer M. Mild Strokes with Large Vessel Occlusion. Stroke Vol 42, No 3 March 2011. e323.
45. **Mittal M**, Rymer M, Lai SM. Intravenous rt-PA and Outcome after a Mild Stroke. Stroke Vol 42, No 3 March 2011. e264.
46. **Mittal M**, Rymer M. Use of intravenous tissue plasminogen activator in lacunar strokes. Neurocrit Care 2010 13:S74.
47. Lele A, **Mittal M**. Combination of the functionality (FUNC) score and the full outline of unresponsiveness (FOUR) score for prognostication after spontaneous intracerebral hemorrhage. Neurocrit Care 2010 13:S85.
48. **Mittal M**, Pasnoor M, McVey A, Barohn R, Herbelin L, Whittaker T, Dimachkie M. Not all that droops is myasthenia gravis. J Clin Neuromusc Dis 2010; 11:3 13.
49. **Mittal M**, Barohn R, Pasnoor M, McVey A, Herbelin L, Whittaker T, Dimachkie M. Ocular myasthenia gravis in a neuro-opthalmology clinic. J Clin Neuromusc Dis 2010; 11:3 4.
50. **Mittal M**, Jackson A, Rymer M. A Cohort Study Measuring Residual Disability at Discharge after a Mild Stroke. Stroke 2010; 41:4 e76.
51. Sundararajan J, **Mittal M**, Khan S. Vertebral artery pseudoaneurysm presenting as swishing sound. 2010 ASN Abstracts. Journal of Neuroimaging; 20:93-105.
52. Lele A, McNearney M, **Mittal M**. New Onset Refractory Status Epilepticus (NORSE) Associated with Creutzfeldt - Jakob disease. Neurocrit Care 2009 11:S1-S224.
53. **Mittal M**, AK. Sethi, A. Tyagi, M. Mohta. Awareness about anesthesiologist and scope of anesthesiology in non-surgical patients and their attendants. Anesthesia and analgesia 2006 102: S1 330.

**PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS (79)**

### **PLATFORM PRESENTATIONS (22)**

1. Neuromonitoring in ICU. Society for Brain Mapping and Therapeutics Meeting 2019, Los Angeles
2. Acute Kidney Injury in Aneurysmal Subarachnoid Hemorrhage: Incidence, Risk Factors, and Outcomes. International Stroke Conference 2016, Los Angeles
3. Gastrointestinal Bleeding in Acute Ischemic Stroke: A Nationwide Inpatient Sample Study. International Stroke Conference 2016, Los Angeles
4. Surgical Treatment of Traumatic Subdural Hematoma: Weekday vs. Weekend Admission. American

Neurological Association’s Annual Meeting 2015, Chicago (data blitz).

1. Autoimmune Encephalitis in the ICU: Serological Spectrum, Clinical Courses, Complications and Outcomes. American Academy of Neurology Meeting 2015, Washington, DC (data blitz).
2. Ambulatory Status: A Protective Mechanism against Venous Thromboembolism in Acute Stroke Patients. KUMC Research forum 2015 (selected in top 3)
3. Intravenous Thrombolysis Utilization And Mortality After Acute Ischemic Stroke In A Population Based US Study. 3rd International Congress on Neurology and Epidemiology 2013, Abu Dhabi, UAE
4. Acute Ischemic Stroke And Sex Differences: A Population Based US Study. 3rd International Congress on Neurology and Epidemiology 2013, Abu Dhabi, UAE
5. Reported Use of IV-Tissue Plasminogen Activator (IV-TPA) for Acute Ischemic Stroke (AIS) Worldwide: A Systematic Review American Academy of Neurology Meeting 2013, San Diego
6. Reported Use of IV-Tissue Plasminogen Activator (IV-TPA) for Acute Ischemic Stroke (AIS) Worldwide: A Systematic Review American Academy of Neurology Meeting 2013, San Diego (data blitz)
7. Use of Surveymonkey and Facebook to Understand Quality of Life for Comatose Patients. Social Media Summit 2012 Mayo Clinic, Rochester, MN
8. USA TODAY- “The Facebook photo scan: a new medical procedure?” Social Media Summit 2012 Mayo Clinic, Rochester, MN
9. Why Should I Read My Own CT Scans? American Academy of Neurology Meeting 2012, New Orleans
10. Comparing Electrophysiological Connectivity with Anatomical Connectivity in the Rat Motor Cortex. KUMC research day 2011, Kansas City KS (Best resident award)
11. Brief Overview of Myasthenia Gravis & Lambert Eaton Syndrome. Translational Discovery Forum on Neuromuscular Junction, 2010, Kansas City KS
12. Ocular Myasthenia Gravis (OMG) in Neuro-Ophthalmology Clinic. Translational Discovery Forum on Neuromuscular Junction, 2010, Kansas City KS
13. rt-TPA and Home Disposition after a Mild Stroke. KUMC research day 2010, Kansas City KS (Best resident award)
14. Ocular Myasthenia Gravis in a Neuro-Opthalmology Clinic. 32nd Annual Carrell-Krusen Neuromuscular Symposium 2010, Dallas TX
15. Ocular Myasthenia Gravis in a Neuro-Opthalmology Clinic. KUMC First combined Resident, Postdoctoral, Fellow Research Day 2010
16. VGKCAb and anti TPO ab related encephalopathy. KUMC research day 2009, Kansas City KS
17. Stroke Presenting as Psychosis. American Heart Association’s 12th Annual Midwest Stroke Symposium 2009, Kansas City KS
18. Endovascular Repair of an Axillary Artery Pseudo-Aneurysm. Second Annual Resurrection Healthcare internal medicine Research Forum 2008, Chicago, IL

### **POSTERS PRESENTATIONS (58)**

1. Use of Bedside Cerebral Blood Flow Monitor to Determine the Timing of Brain Death Evaluation. 14th Annual Meeting of the Neurocritical Care Society 2016, National Harbor, MD
2. Gastrointestinal Bleeding in Aneurysmal Subarachnoid Hemorrhage: Incidence, Risk Factors, and Short-Term Outcomes. 14th Annual Meeting of the Neurocritical Care Society 2016, National Harbor, MD
3. Intra-Aortic Balloon Pump Counterpulsation in patients with SAH and Neurogenic Stunned Myocardium: A Case Series and Review of the Literature. 14th Annual Meeting of the Neurocritical Care Society 2016, National Harbor, MD
4. Does Prior Use of Anti-Platelet Agents Matter for Endovascular Therapy for Acute Ischemic Stroke and subsequent 3-Month Functional Outcome?. 14th Annual Meeting of the Neurocritical Care Society 2016, National Harbor, MD
5. Endovascular Therapy for Acute Ischemic Stroke With Distal Large Vessel Occlusion in the Anterior Circulation. International Stroke Conference 2016, Los Angeles
6. Fluoroscopy Time: An Early Predictor of Outcome after Thrombectomy for Acute Ischemic Stroke. International Stroke Conference 2016, Los Angeles
7. Appraising the Quality of Patient Care in Hospitalization for Transient Ischemic Attack. International Stroke Conference 2016, Los Angeles
8. Gastrointestinal Bowel Obstruction in Acute Ischemic Stroke: Incidence, Risk Factors, and Outcomes. International Stroke Conference 2016, Los Angeles
9. Short-Term Outcomes in Pediatric Ischemic Stroke: An Analysis of the Nationwide Inpatient Sample, 2002-2011. International Stroke Conference 2016, Los Angeles
10. Intraoperative Neurophysiological Monitoring in Carotid Endarterectomy: An Analysis of the Nationwide Inpatient Sample. International Stroke Conference 2016, Los Angeles
11. Incidence, Risk Factors, and In-Hospital Outcomes Associated With Hospital-Acquired Conditions and Patient Safety Indicators In Spontaneous Intracerebral Hemorrhage. International Stroke Conference 2016, Los Angeles
12. Assessing Quality of Patient Care in Pediatric Stroke Hospitalizations: An Analysis of the Nationwide Inpatient Sample. International Stroke Conference 2016, Los Angeles
13. Post-Acute Ischemic Stroke Thrombectomy and Obesity Paradox. SVIN 8th Annual Meeting 2015, Bonita Springs, FL
14. Discharge Modified Rankin Scale as a Predictor of 3- Month Functional Outcome after Mechanical Thrombectomy for Acute Ischemic Stroke. SVIN 8th Annual Meeting 2015, Bonita Springs, FL
15. Association of Marijuana Abuse with Aneurysmal Subarachnoid Hemorrhage. 13th Annual Meeting of the Neurocritical Care Society 2015, Scottsdale, AZ
16. Recreational Marijuana Use and Intracerebral Hemorrhagic Stroke: A Nationwide Inpatient Sample Study.13th Annual Meeting of the Neurocritical Care Society 2015, Scottsdale, AZ
17. Recreational Marijuana Use and Acute Ischemic Stroke: A Nationwide Inpatient Sample Study. 13th Annual Meeting of the Neurocritical Care Society 2015, Scottsdale, AZ
18. High Prevalence of Traumatic Brain Injury in Parkinson Disease: A Nationwide Inpatient Sample Study. American Neurological Association’s Annual Meeting 2015, Chicago
19. Surgical Treatment of Traumatic Subdural Hematoma: Weekday versus Weekend Admission. American

Neurological Association’s Annual Meeting 2015, Chicago

1. Decompressive Craniectomy Reduces Inpatient Mortality in Subdural Hematoma: Analysis of the Nationwide Inpatient Sample. American Neurological Association’s Annual Meeting 2015, Chicago
2. Hyponatremia as an Independent Predictor of Mortality in Myasthenic Crisis. American Neurological Association’s Annual Meeting 2015, Chicago
3. Hyponatremia as an Independent Predictor of Mortality in Guillain-Barre Syndrome: A Nationwide Inpatient Sample Analysis. American Neurological Association’s Annual Meeting 2015, Chicago
4. Generalized Convulsive Epilepsy as a Predictor of Traumatic Subdural Hematoma: A Nationwide Inpatient Sample Analysis. American Neurological Association’s Annual Meeting 2015, Chicago
5. Autoimmune Encephalitis in the ICU: Serological Spectrum, Clinical Courses, Complications and Outcomes. American Academy of Neurology Meeting 2015, Washington, DC
6. Stroke Patterns and Short Term Mortality in Marijuana Users and Non-Users: A Cross-Sectional Study. American Academy of Neurology Meeting 2015, Washington, DC
7. YouTube and Peripheral Neuropathy: What Patients Want?. American Academy of Neurology Meeting 2015, Washington, DC
8. Ambulatory Status: A Protective Mechanism against Venous Thromboembolism in Acute Stroke Patients. International Stroke Conference 2015, Nashville, TN
9. A Retrospective Cohort Study: Effect of Ambulation on Urinary Tract Infections in Acute Stroke Patients. International Stroke Conference 2015, Nashville, TN
10. Surgical treatment of recurrent super-refractory status epilepticus: a case report. 68th Annual American Epilepsy Society Meeting 2014, Seattle, WA
11. The Impact of Neurohospitalist Service on In-Patient Outcomes: An Academic Medical Center Experience. American Academy of Neurology Meeting 2013, San Diego
12. Use of Surveymonkey and Facebook to Understand Quality of Life for Comatose Patients. AMA-RFS 2012 Interim Meeting, Honolulu, Hawaii
13. Development of A Structured Communication Tool to Prevent Unplanned Surgical ICU Readmissions. Society of Critical Care Medicine Meeting 2012, Puerto Rico
14. Coma From Cerebral Fat Embolism Complicated by Paroxysmal Hyperactivity Syndrome But Good Outcome. 10th Annual Neurocritical Care Society Meeting 2012, Denver CO
15. Development of a Structured Communication Tool to Prevent Unplanned Surgical ICU Readmissions. QI conference, Mayo Clinic, Rochester MN 2012, & 42nd Critical Care Congress, 2013
16. Hyperdense MCA Sign- Objective Criteria for Measurement. International Stroke Conference 2012, New Orleans, LA
17. Aspect Score: DWI or CT Scan, Which One Is Better Marker For Stroke Morbidity And Outcome? International Stroke Conference 2012, New Orleans, LA
18. Hyperdense MCA as a Predictor of Stroke Severity: Does Size Matter? International Stroke Conference 2012, New Orleans, LA
19. Impact of Incidental Cerebral Aneurysm in Acute Stroke Patients Treated with Intravenous Tissue Plasminogen Activator. Society for Vascular & Interventional Neurology (SVIN) 2011, Hollywood FL
20. Acute Carotid Stent Placement as Endovascular Stroke Rescue in Patients with Tandem Occlusions of the Internal Carotid Artery. Society for Vascular & Interventional Neurology (SVIN) 2011, Hollywood FL
21. Neuromyelitis Optica – 13 Years’ Experience from an Academic Multiple Sclerosis Clinic. American Academy of Neurology Meeting 2011, Hawaii
22. Ocular Myasthenia Gravis (OMG) in an Academic Neuro-Ophthalmology Clinic: A Retrospective Cohort Study. American Academy of Neurology Meeting 2011, Hawaii
23. Management of Acute Ischemic Stroke Associated with Acute Internal Carotid Artery Occlusion. International Stroke Conference 2011, Los Angeles CA (poster) 2011
24. Mild Strokes with Large Vessel Occlusion. International Stroke Conference 2011, Los Angeles CA 2011
25. Intravenous rt-PA and Outcome after a Mild Stroke. International Stroke Conference 2011, Los Angeles CA
26. Use of Intravenous Tissue Plasminogen Activator in Lacunar Strokes. 8th Annual Neurocritical Care Society Meeting 2010, San Francisco CA
27. Combination of the functionality (FUNC) score and the Full Outline Of Unresponsiveness (FOUR) score for prognostication after spontaneous intracerebral hemorrhage. 8th Annual Neurocritical Care Society Meeting 2010, San Francisco CA
28. Revascularization with MERCI Retrieval Device in Conjunction with Intravenous and / or Intra-arterial Tissue Plasminogen Activator is Feasible to Achieve Favorable Outcome in Patients with Acute Ischemic Stroke in Posterior Circulation- a Single Center Experience. 48th Annual Meeting ASNR 2010, Boston MA
29. Not All that Droops is Myasthenia Gravis. 32nd Annual Carrell-Krusen Neuromuscular Symposium 2010, Dallas TX
30. A Cohort Study Measuring Residual Disability at Discharge after a Mild Stroke. International Stroke Conference 2010, San Antonio TX
31. A Cohort Study Measuring Residual Disability at Discharge after a Mild Stroke. KUMC First combined Resident, Postdoctoral, Fellow Research Day 2010
32. Vertebral artery pseudoaneurysm presenting as swishing sound. 33rd Annual Meeting of The American Society of Neuroimaging 2010, San Francisco, CA
33. New Onset Refractory Status Epilepticus (NORSE) Associated with Creutzfeldt - Jakob disease 2009. 7th Annual Neurocritical Care Society Meeting, New Orleans LA
34. Prune Belly Syndrome Causing UTI in Young Male. Second Annual Resurrection Healthcare internal medicine Research Forum 2008, Chicago, IL
35. Endovascular Repair of an Axillary Artery Pseudo-Aneurysm. Interventional Cardiology: 23rd Annual International Symposium 2008, Aspen CO
36. Primary Empty Sella Syndrome. American College of Physicians Illinois Chapter meeting 2008, Chicago, IL
37. Awareness about anesthesiologist and scope of anesthesiology in non-surgical patients and their attendants. IARS 80th clinical scientific congress 2006, San Francisco, CA
38. Sodium Valproate and hyperammonic encephalopathy. 54th Annual Conference of Neurological Society of India 2005
39. Altered lipid profile status in Vascular Dementia. XVIIIth Annual Conference Indian Society for Atherosclerosis research & International Symposia/CME on atherosclerosis 2005

### **INVITED LECTURES (11)**

1. Stroke & COVID update, Pacific stroke association, Mountainview, CA, 2022
2. Stroke systems of care, Sutter Health virtual grand round, Sacramento, CA, 2022
3. Stroke and COVID update, Sutter Health virtual grand round, Sacramento, CA, 2022
4. Hemorrhagic stroke: A Life-Threatening Emergency, Sutter Neurology symposium, Napa, CA, 2019
5. Introduction to clinical research, Research Interest Medical Student Group, University of Missouri–Kansas City, June 27th 2016
6. Marijuana: Are You Ready for it?, University of Kansas Medical Center, February 26th 2016
7. Neurocritical Care Management of SAH, Cerebral Aneurysm support group, University of Kansas Hospital, August 15th 2014
8. Neurocritical Care Management of Stroke, BiState Stroke Education Consortium, University of Kansas Hospital, August 15th 2014
9. Acute Stroke Care, Rehabilitation Medicine Residents, University of Kansas Hospital October 16th 2014
10. Brain death, Neurology Residents, University of Kansas Hospital, October 28th 2014
11. Acute Hospital Care of Ischemic Stroke: Rochester to Kansas, department of neurology, University of Kansas Medical Center, November 14th 2014
12. True Colors of the Chameleon, department of neurology, University of Kansas Medical Center, April 8th 2011
13. Psychosis in Neurology, department of neurology, University of Kansas Medical Center, June 18th, 2010
14. Psychosis in Neurology, department of Psychiatry, University of Kansas Medical Center, March 5th, 2010

### **CURRENT QUALITY IMPROVEMENT ACTIVITIES**

1. Improving door to needle time for IV TPA for 9 Sutter hospitals
2. Improving door to groin puncture time for IV TPA for 3 Sutter hospitals
3. Improving transfer time for stroke patients across 9 Sutter hospitals

### **CURRENT RESEARCH TRIALS**

1. Co-Investigator: AMPLATZER PFO Occluder Post Approval Study (PFO PAS), 2018-
2. Principal investigator: TIMELESS, Tenecteplase in Stroke Patients Between 4 and 24 Hours, 2020-
3. Principal investigator: ARCADIA, AtRial Cardiopathy and Antithrombotic Drugs In Prevention After Cryptogenic Stroke, 2020-
4. Co-investigator: TESLA Trial: Thrombectomy for Emergent Salvage of Large Anterior Circulation Ischemic Stroke, 2020-

### **PAST RESEARCH TRIALS**

1. Co-Investigator: INTERACT 2, ATACH 2, CLEAR III, MISTIE III, POINT

### **RESEARCH AWARDS AND HONORS**

**Residency**

1. Best neurology resident research, 2010
2. Best neurology resident research, 2011
3. Student award for teaching excellence, selected by medical students out of 12 neurology residents, 2011

**Faculty**

1. My mentee Kavelin Rumalla received **travel award** for our research (Gastrointestinal Bleeding in Acute Ischemic Stroke: A Nationwide Inpatient Sample Study) presented at the International Stroke Conference 2016, Los Angeles
2. My research (Ambulatory Status: A Protective Mechanism against Venous Thromboembolism in Acute Stroke Patients) was selected in the top 3 best thesis at KUMC Annual Research Forum, 2015
3. My mentee Kavelin Rumalla received **travel award** for our research (Surgical Treatment of Traumatic Subdural Hematoma: Weekday Versus Weekend Admission) presented at the American Neurological Association’s Annual Meeting 2015, Chicago
4. Received **travel award** from KUMC Research Institute for my research to be presented at the 13th Annual Meeting of the Neurocritical Care Society 2015, Scottsdale, AZ
5. My mentee Kavelin Rumalla received **travel award** for our research (Gastrointestinal Bleeding in Acute Ischemic Stroke: A Nationwide Inpatient Sample Study) to be presented at the International Stroke Conference 2016, Los Angeles

### **PROFESSIONAL AFFILIATION**

Neurocritical Care Society- member

American Heart Association- member

American Academy of Neurology- member

**Member of Editorial Board for Journal of Neurology and Translational Neuroscience**

**AD-HOC REVIEWER (total papers reviewed 47)**

Neurology (reviewed 40 papers)

General Hospital Psychiatry (reviewed 1 paper)

Journal of Neurology, Neurosurgery, and Psychiatry 2006 (reviewed 1 paper)

Irish Journal of Psychological Medicine-2014 (reviewed 1 paper)

Expert Review of Neurotherapeutics-2014 (reviewed 1 paper)

Arizona Department of Health Services-2014 (reviewed 1 grant)

International Journal of Neuroscience-2014 (reviewed 1 paper)

Neurosciences- 2012 (reviewed 1 paper)

### **TEACHING CERTIFICATIONS**

2014 Emergency Neurological Life Support (ENLS) trainer

2014 Certificate in “Doctors as Educators” course

### **TEACHING ADMINSITRATIVE ROLES**

### Teaching medical students (MS2, MS3, MS4), neurology residents, anesthesia residents, neurosurgery residents, and neurocritical care fellows at KUMC; 2014-2017

### Teaching medical students (MS4), nurse practitioner students, and RNs at Sutter Medical Center; 2017-

Teaching neurology residents at UC Davis; 2018-

### **TEACHING MATERIAL DEVELOPED**

2017- Didactics for medical students (MS4), nurse practitioner students, and RNs at Sutter Medical Center

2014-2017 Didactics for the Neurocritical care fellowship at KUMC

2013-2017 Didactics for the Neurology, Neurosurgery, and Anesthesia residents rotating through the Neuro ICU at KUMC

2014-2017 Emergency lecture series for the Neurology residents at KUMC

2010-2011 RITE exam preparation: Designed educational material for RITE exam preparation for residents in final year of residency

### **TEACHING ACTIVITIES**

### **Sutter Medical Center**

1/29/2018 Neurocritical care emergencies lecture for Critical Care nurses for 4 hours

3/31/2018 Conducted ENLS course (27 attendees) as the only faculty for 8 hours

10/6/2018 Conducted ENLS course (35 attendees) as the only faculty for 8 hours

11/2/2019 Conducted ENLS course (9 attendees) as the only faculty for 8 hours

11/9/2019 Conducted ENLS course (6 attendees) as the only faculty for 8 hours

### **Fellowship presentations- Mayo Clinic**

April 4th 2012 A shot to the foot: A Hunter’s Warning (CPC)

### January 1st 2012 A shot to the foot: A Hunter’s Warning (Tuesday hospital case conference)

### November 30th 2011 Rhabdomyolysis with Acute Renal Failure (CPC)

January 12th 2012 ICU Quality Projects: The Team Effort (Critical care grand rounds)

### **Residency grand round presentations- The University of Kansas Medical Center**

January 1st 2011 Acute Cerebellar Ataxia

October 15th 2010 A case of NMDAR antibody encephalitis

September 8th 2010 Carotid occlusion in an infant

July 20th 2010 Prognosis of Coma in kids

November 6th, 2009 Starvation induced psychosis

August 21st 2009 Primary CNS Vasculitis

April 3rd 2009 Wernicke’s encephalopathy

January 9th 2009 Neurosarcoidosis presenting as Lumbar Polyradiculopathy

September 19th 2008 Methadone induced Delayed Post Hypoxic Leukoencephalopathy

### **AWARDS (TEACHING)**

1. Student award for teaching excellence, selected by medical students out of 12 neurology residents, 2011

### **COMMUNITY SERVICE AND VOLUNTEERSHIP**

2018- Spend 50 hours per year teaching neurology residents at UC Davis

2015 Volunteered for medical mission in Nepal, after the Earthquake

2014 Educated SAH support group in KC about critical care of SAH

2012 Stroke prevention

3/2006 - 6/2006 New York Presbyterian Hospital Visiting observer and research volunteer, Mentor: Dr. Marc Patterson Prepare the Headache database of children coming to Pediatric Neurology Clinic in year 2005

2004 Founding Spokesperson for Thalmed a. i.

A Non-Profit Organization based in Delhi, INDIA

10/1999 - 11/2004 Pulse polio immunization program (PPI), Delhi, INDIA

**HONOR (VOLUNTEERING)**

1. Founding member and Spokesperson for a Not for profit organization- organized blood donation camps for Thalassemic patients.
2. Current board member of a Not for profit organization, united visions international, working to reduce healthcare disparities

### **IN MEDIA**

2022 [Modesto Bee](https://www.modbee.com/news/coronavirus/article260084965.html) and [Sutter health Vitals](https://vitals.sutterhealth.org/bruce-willis-has-aphasia-what-it-is-how-you-can-prevent-it/) ran our story of use of novel stroke drug at Sutter Health and

public awareness about aphasia.

2021 [Sacramento Magazine](https://www.sacmag.com/health/having-a-stroke/) interviewed me for stroke awareness along with a

patient story.

2021 [Sacramento Bee](https://www.sacbee.com/news/local/health-and-medicine/article251264729.html) and [Fox 40](https://fox40.com/news/local-news/local-physicians-band-together-to-help-indians-amid-covid-19-crisis/) ran our story of raising funds for COVID relief

in India.

2021 [Sutter vitals](https://vitals.sutterhealth.org/sutter-medical-center-receives-highest-certification-for-stroke-care/) ran our story of achieving comprehensive stroke certification

at Sutter Medical Center, Sacramento.

2020 [Sacramento Business Journal](https://www.bizjournals.com/sacramento/news/2020/04/27/as-heart-attack-rates-plummet-doctors-worry.html) and [Fox 40](https://fox40.com/news/local-news/patients-in-need-of-emergency-care-are-avoiding-hospitals-due-to-covid-19-doctors-say/) ran our story of reducing stroke admissions

during COVID pandemic.

2019 Featured in [BE-FAST](https://www.sutterhealth.org/health/brain-memory/be-fast) stroke educational video for Sutter Health.

2019 [Story](https://www.kcra.com/article/sacramento-doctors-mother-suffers-stroke-giving-birth/27187282#) of our patient was picked up by various news agencies. Patient had

a hemorrhagic stroke while pregnant and underwent surgery for delivery

and hematoma evacuation with full recovery of the baby and mother.

2016 My research work on Marijuana and Stroke was published as a new

article for the [university webpage](https://info.umkc.edu/news/if-you-toke-beware-of-stroke/) by both University of Kansas Medical

Center and University of Missouri-Kansas City

2016 My recent work was selected for promotion as a news article written for

[AHA/ASA news](https://consumer.healthday.com/cardiology-2/misc-bowel-problems-news-79/asa-certain-factors-up-odds-of-post-stroke-bowel-obstruction-708138.html) (news website for American Heart Association). This is

the first time that we showed that the information on Ischemic Stroke

patients are at high risk for Gastrointestinal Bowel Obstruction.

2015 Our work was selected for a news article written for [Reuters](https://www.reuters.com/article/us-health-videos-peripheral-neuropathy-idUSKCN0SM2DU20151028)where we

showed that the information on Youtube regarding Peripheral neuropathy

in not based on medical evidence and can be misleading to the patients.

2015 Interviewed by [Medscape](https://www.medscape.com/viewarticle/852009) about my research, “Hyponatremia as an

Independent Predictor of Mortality in Guillain-Barre Syndrome”

2014 Interviewed by [KCStar newspaper](https://www.kansascity.com/news/local/article1379677.html) about one of my new research, “Beta-

blockers in Migraine”

2012 Interviewed by USA today and [CNN](https://thechart.blogs.cnn.com/2012/08/24/facebook-helps-doctors-with-diagnosis/) about one of my papers, “Facebook:

can it be a diagnostic tool for neurologists?” This story was run on local

channel news by more than 20 news channels and various online blogs.

2002 Interviewed by national **Indian Newspaper, “The Indian Express”** about

Non-profit organization which was started to secure blood for thalassemia

patients?