

Rajbeer Singh Sangha Curriculum Vitae

Date Prepared: March 1st, 2023

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Education

05/2005	University of Calgary	B.Sc	Biology
05/2010	St.George's University	M.D.	Medicine

Graduate Medical Education

06/2010-6/2011	SUNY Downstate at Long Island College Hospital	Internship	Internal Medicine
07/2011-6/2014	SUNY Upstate Medical University	Resident	Neurology
07/2014-06/2015	Northwestern Memorial Hospital, Northwestern University	Fellow	Vascular Neurology
07/2015-06/2017	Northwestern Memorial Hospital, Northwestern University	Fellow	Neurocritical Care

Board Certification and Medical Licensure

12/14.2021 - Present	Certification in Neurocritical Care	American Board of Psychiatry and Neurology
02/07/2018 - Present	Certification in Neurovascular Interpretation	American Society of Neuroimaging
12/31.2017 - Present	Certification in Neurocritical Care	United Council of Neurologic Specialties
12/15/2016 - Present	Certification in Vascular Neurology	American Board of Psychiatry and Neurology
9/25/2014 - Present	Certification in Neurology	American Board of Psychiatry and Neurology

Current Active Medical Licensure

01/2017 - Present	Professional License, Physician	License	State of Alabama
11//2021- Present	Professional License, Physician	License	State of New York
02/2022 - Present	Professional License, Physician	License	State of Connecticut
02/2022 - Present	Professional License, Physician	License	State of Missouri
03/2022 - Present	Professional License, Physician	License	State of Illinois
07/2022-Present	Professional License, Physician	License	State of California
11/2022-Present	Professional License, Physician	License	State of Kansas

Hospital Appointments

6/2010-6/2011	Intern	Internal Medicine	SUNY Downstate at Long Island College Hospital
7/2011-6/2014	Resident	Neurology	SUNY Upstate Medical University
7/2014-6/2015	Fellow	Neurology	Northwestern Memorial Hospital
7/2015-6/2017	Fellow	Neurology	Northwestern Memorial Hospital

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7/2017-Present	Assistant Professor	Neurology	University of Alabama – Birmingham
7/2017-Present	Assistant Professor	Anesthesiology	University of Alabama-Birmingham
2/2020-2/2022	Director of Neurovascular Lab	Neurology	University of Alabama - Birmingham
03/2022-09/2022	Locums Staff	Neurology	Hartford Hospital – Hartford, CT
03/2022 - Present	Locums Staff	Neurology	St.Lukes Plaza Hospital, MO St.Lukes East Hospital, MO
03/2023-Present	Director of Inpatient Neurology and Vascular Neurology	Neurology	St.Joseph’s Hospital Stockton, California
03/2023-Present	Assistant Professor	Neurology	Touro University School of Medicine

Awards, Honors and Distinctions

2001	Alexander Rutherford Scholarship	University of Calgary
2001	Jason Lang Scholarship	University of Calgary
2006	International Peace Scholarship	St.George’s University
6/2012	Neurology Resident Teacher of the year Award	SUNY Upstate Medical University
6/2013	Neurology Scholarship Award for Research	SUNY Upstate Medical University
4/2014	Neurology Trainee Award	Association of Indian Neurologists in America
4/2014	Abstract was presented at Highlights for Endovascular & Interventional Neurology and Stroke & Vascular Neurology, Highlights in the Field	American Academy of Neurology Meeting
6/2014	Neurology Scholarship Award for Research	SUNY Upstate Medical University
1/2016	AFM Travel Grant winner for the Critical Care & Emergency Medicine Faculty	Faculty of 1000

Professional Society Memberships

2007-2008	American Medical Students Association
2011-2014	American Academy of Neurology
2016-	American Heart Association
2016-	Society of Critical Care Medicine
2020-	Neurocritical Care Society

Professional Activities:

Administrative Appointments

7/2016-6/2017	Chief Fellow	Northwestern Memorial Hospital Neurocritical Care Fellowship Program
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Committee Service

7/2019-02/2022	Utilization Review Committee	University of Alabama - Birmingham
7/2018-6/2019	Chair, Vascular Neurology Fellowship Competency Committee	University of Alabama - Birmingham
09/2016 - 2018	Committee member of Professional Education Committee Chair	American Heart Association

Teaching in Courses

2015	Section Instructor	Neurological Exam Observer with standardized patient Northwestern University Feinberg School of Medicine 3 rd year medical students; 2.5 hour session
2015	Section Instructor	Neurological Exam Skills Workshop Northwestern University Feinberg School of Medicine 2 nd year medical students; 2 hour session
2015	Small group Leader	Northwestern University Feinberg School of Medicine 2 nd year medical students Health and Society Curriculum
2019	Lecturer	Fundamental Critical Care Support – Neurologic Support

Formal Teaching of Residents, Clinical Fellows and Research Fellows

2011-2014	Lecturer	SUNY Upstate Medical University Didactic Conference Multiple lectures over 3 years to neurology residents and medical students
2014-2017	Lecturer	Northwestern Interdepartmental ICU Didactic Conference Multiple lectures throughout the year
2015-2017	Lecturer	Lectures to residents and students on Neurocritical Care topics – including seizures, status epilepticus, SAH, Stroke, ICH
2017- Present	Lecturer	Lectures to medical students, residents, nurse practitioners and Fellows in both Neurology on topics for Neurocritical Care and vascular neurology
2018 – 02/2022	Organizer and Head Lecturer	Neurocritical care symposium – monthly teaching conference for fellows, residents, nursing staff and ICU support staff
2019-02/2022	Lecturer	Department of Anesthesiology – teaching of residents, fellows, NP for monthly Neurocritical care lecture

Local Invited Teaching

2014/2015	Lecturer	Northwestern Memorial Hospital Medicine Residency Didactic Conference Lecture on topic of Acute Ischemic Stroke and Management
2014-2016	Lecturer	Grand Rounds – Seizures and management in the Emergency Department

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2015-2016	Lecturer	Emergency Department – Management of seizures and status epilepticus
2015	Lecturer	Internal Medicine Grand Rounds Lecture on topic of Acute Ischemic Stroke and Management
2018	Lecturer	Local Church – lecture on diet and Ischemic stroke
2018	Grand Rounds	Grands Rounds Neurology – <i>Intracranial Large Vessel Disease – New Horizons</i>
2021	Grand Rounds	Dignity Health – California – <i>Acute Ischemic Stroke – Diagnosis and Management in the acute setting</i>

Journal and Editorial Activities

Editorial Review Board

Frontiers – Editorial Review Board for Interventional and Endovascular Neurology

Reviewer

Medical Principles and Practice

Neurology

Stroke Journal

American Heart Association – International Stroke Conference Abstract Reviewer (2021,2022)

Neurocritical Care Society – NCS conference Abstract Review (2023)

Other Responsibilities:

Stroke Journal

Stroke Blog

Commentary and summaries for articles in the Stroke Journal 2014-2015

National and International Invited Presentations

5/2013	European Stroke Conference, London, United Kingdom Platform Presentation	“Endovascular therapy for acute ischemic stroke and the role of intra-arterial vasodilators”
11/2018	UAB Neurology Grand Rounds	“Intracranial large vessel disease: New Horizons”
09/2020	Dignity Health – Mark Twain Hospital Grand Rounds	“Acute ischemic Stroke”

Publications

A. Original Investigations

1. Prabhakaran S, Liebeskind DS, Cotsonis G, Nizam A, Feldmann E, **Sangha RS**, Campo-Bustillo I, Romano JG on behalf of MyRIAD Investigators. Lipid levels and short-term recurrent brain infarcts in symptomatic intracranial stenosis. *J Stroke Cerebrovascular Diseases* 2022 Jan;31(1):106141. PMID 34710776
2. Prabhakaran S, Liebeskind DS, Cotsonis G, Nizam A, Feldmann E, **Sangha RS**, Campo-Bustillo I, Romano JG on behalf of MyRIAD Investigators. Predictors of early infarct recurrence in patients with symptomatic intracranial atherosclerotic disease. *Stroke*. 2021 Jun;52(6):1961-1966. PMID 33866818
3. **Sangha RS**, Prabhakaran S, Feldmann E, Nizam A, Cotsonis G, Campo-Bustillo I, Romano JG, Liebeskind DS, on behalf of MyRIAD Investigators. Imaging Patterns of Recurrent Infarction in the Mechanisms of Early Recurrence in

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Intracranial Atherosclerotic Disease (MyRIAD) Study. *Frontiers Neurology*. 2021 Jan 21;11:615094. Doi:10.3389/fneur.2020.615094. PMID: 33551972

4. Romano JG, Prabhakaran S, Nizam A, Feldmann E, **Sangha RS**, Cotsonis G, Campo-Bustillo I, Koch S, Rundek T, Chimowitz MI, Liebeskind DS, on behalf of MyRIAD Investigators. Infarct Recurrence in Intracranial Atherosclerosis: Results from the MyRIAD Study. *J Stroke Cerebrovascular Diseases*. 2021 Feb;30(2):105504. PMID 33276302.
5. **Sangha RS**, Davis BH, Dillon C, Brown TM, Narayan R, Beasley M, McElderry T, Nolin TD, Limdi NA. Risk Factors for Major Hemorrhage Among Patients Receiving Dabigatran Across the Spectrum of CKD Not Requiring Dialysis Therapy. *American Journal of Kidney Disease*. 2020 Dec 2;S0272-6386(20)31123-9. PMID: 33276038
6. Askew TL, Capo-Lugo CL, **Sangha RS**, Naidech A, Prabhakaran S. Trade-offs in quality of life assessment between the mRS and Neuro-QoL. *Value Health*. 2020 Oct;23(10):1366-1372. Doi:10.1016/j.jval.2020.06.011.Epub 2020 Sep 1. PMID: 33032781.
7. Liebeskind DS, Prabhakaran S, Azhar N, Feldmann E, Campo-Bustillo I, **Sangha R**, Koch S, Rundek T, Moy C, Ostergren L, Chimowitz MI, Romano JG on behalf of MyRIAD Investigators. Mechanisms of Early Recurrence in Intracranial Atherosclerotic Disease (MyRIAD): Rationale and Design. *J Stroke Cerebrovasc Dis*. 2020 Oct;29(10):105051. PMID: 32912558.
8. **Sangha R**, Lin C, Lee J, Corado C, Jalasutram A, Chatterjee N, Ingo C, Carroll T, Prabhakaran S. Infarct location is associated with quality of life after mild ischemic stroke. *Int J Stroke*. 2018;13(8):824-831. PMID: 29956592
9. Liotta EM, Prabhakaran S, **Sangha RS**, Bush RA, Long AE, Trevick SA, Potts MB, Jahromi BS, Kim M, Manno EM, Sorond FA, Naidech AM, Maas MB. Magnesium, Hemostasis and Outcomes in Patients with Intracerebral Hemorrhage. *Neurology* 2017, Aug 22;89(8):813-819. doi: 10.1212/WNL.0000000000004249. Epub 2017 Jul 26.
10. **Sangha RS**, Corado C, Naidech AM, Ansari SA, Prabhakaran S. Recurrent Stroke risk in Patients with ICAD Treated with Aggressive Medical Management. *Stroke* 2017; Aug;48(8):2158-2163. doi:10.1161/STROKEAHA.116.016254. Epub 2017 Jul 5.
11. Maas MB, Francis B, **Sangha RS**, Lizza B, Liotta E, Naidech AM. Refining Prognosis for Intracerebral Hemorrhage by Early Reassessment. *Cerebrovascular Diseases* 2017;43(3-4):110-116. PMID: 28049196
12. Liotta E, **Sangha RS**, Francis B, Lizza B, Romanova AL, Kim M, Carroll TJ, Ganger D, Ladner DP, Naidech AM, Paparello JJ, Prabhakaran S, Sorond FA, Maas MB. Osmotic Shifts, Cerebral Edema, and Neurologic Deterioration in Severe Hepatic Encephalopathy. *Crit Care Med*. 2018 Feb;46(2):280-289. doi: 10.1097/CCM.0000000000002831.
13. **Sangha RS**, Corado C, Bernstein R, Ruff I, Curran Y, Cella D, Naidech AM, Prabhakaran S. Quality of life in patients with TIA and minor stroke. *Neurology* 2015 Dec;85(22):1957-63. PMID: 26537051

B. Guidelines, Reviews, Case Reports, Letters, Editorials

1. **Guideline committee**. Prevention of Stroke in Patients with Symptomatic Large Vessel Intracranial Atherosclerotic Disease. Turan T, Gronseth GS, Chimowitz M, Culebras A, Furlan AJ, Goldstein LB, Latorre JG, Messe SR, **Sangha RS**, Schneck M, Singhal A, Wechsler LR, Zaidat O, Getchius TSD, Merillat SA, Fletcher JJ. *American Academy of Neurology* 2022;98:486-49. PMID: 35314513
2. **Sangha RS**, Maas MB, Naidech AM. Targeting Platelet Dysfunction in Intracerebral Hemorrhage. *Curr Atheroscler Rep* 2022. Currently under review.
3. Elmokadem AH, Ansari SA, **Sangha R**, Prabhakaran S, Shaibani A, Hurley MC. Neurointerventional management of carotid webs associated with recurrent and acute cerebral ischemic syndromes. *Interv Neuroradiol* 2016 Feb pii: 1591019916633245. [Epub ahead of print]. PMID: 26922976

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4. **Sangha RS**, Bernstein R. Advances in the Detection and Monitoring of Atrial Fibrillation for Patients with Cryptogenic Ischemic Stroke. *Curr Atheroscler Rep* 2015 Dec;17(12):71. PMID: 26490080

C. Books and Book Chapters

1. **Sangha RS**, Maas MB. *Neuroprognostication in Intracranial Hemorrhage. Neuroprognostication in the ICU. Submitted for publication. 2022*
2. **Sangha RS**, Gropen T. Overview of Intracranial Large Artery Disease. *Diagnosis and Treatment of Ischemic Stroke*. Rutgers, 2016.
3. **Sangha RS**, Naidech AM. Overview of Neurologic Emergencies in the ICU Setting. *SCCM, Multiprofessional Critical Care Review*, 2015.

D. Abstracts

1. **Sangha RS**, Latorre JL. Hyperbaric oxygen therapy may worsen tension pneumocephalus. Neurocritical Care Society (NCS) Annual meeting 2013.
2. **Sangha RS**, Lodi YH. Endovascular treatment in a pediatric patient with thrombus extending from right internal carotid artery to right middle and anterior cerebral artery. Society of Neurointerventional Surgery Annual meeting 2013.
3. **Sangha RS**, Beach R. Continuing challenges in diagnosing Frontal Lobe Epilepsy. American College of Neurophysiology Society (ACNS) Annual meeting 2013.
4. **Sangha RS**, Corado C, Bergman B, Curran Y, Cella D, Bernstein R, Naidech AM, Prabhakaran S. Comparison of Neuro-QOL physical function and modified Rankin Scale in Ischemic Stroke. International Stroke Conference 2014
5. **Sangha RS**, Corado C, Bergman D, Curran Y, Cella D, Bernstein R, Naidech AM, Prabhakaran S. Neuro-QOL for assessment of cognitive impairment after stroke: comparison with modified Rankin Scale. American Academy of Neurology (AAN) annual meeting 2014.
6. **Sangha RS**, Corado C, Ruff I, Curran Y, Ansari SA, Bernstein R, Prabhakaran S. Recurrent Stroke Risk in Patients With ICAD Treated with Aggressive Medical Management: A comparison with the SAMMPRIS Trial. International Stroke Conference 2015.
7. **Sangha RS**, Corado C, Ruff I, Curran Y, Ansari SA, Bernstein R, Prabhakaran S. Recurrent Stroke Risk in Patients With ICAD Treated with Aggressive Medical Management: A single center analysis. American Neurological Association 2015.
8. **Sangha RS**, Corado C, Ruff I, Curran Y, Naidech A, Bernstein R, Cella D, Prabhakaran S. Infarct Location Predicts Quality of Life Outcomes after Minor Stroke. International Stroke Conference 2016.
9. **Sangha RS**, Corado C, Ruff I, Curran Y, Naidech A, Bernstein R, Cella D, Prabhakaran S. Neuro-QOL measures improve statistical power versus the modified Rankin Scale in stroke thrombolysis. International Stroke Conference 2016.
10. Naidech A, Long A, Muldoon K, **Sangha R**. The Spot Sign and Low Platelet Activity Identify Similar Patients at Risk for Hematoma Growth. Neurocritical Care Conference (2016), Poster 66.

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11. Liebeskind DS, Prabhakaran S, Honda T, Campo-Bustillo I, Nizam A, Swanson S, Cotsonis GA, Chimowitz MI, **Sangha R**, Feldmann E, Romano JG; MyRIAD Investigators. Early Recurrent Infarction on Serial MRI in Symptomatic Intracranial Atherosclerotic Disease. International Stroke Conference 2019
12. Liebeskind DS, Prabhakaran S, Honda T, Campo-Bustillo I, Nizam A, Swanson S, Cotsonis GA, Chimowitz MI, **Sangha R**, Feldmann E, Romano JG; MyRIAD Investigators. Ischemia Due to Intracranial Atherosclerotic Disease: MRI Patterns at Baseline in the MyRIAD study. International Stroke Conference 2019.
13. Liebeskind DS, Romano JG, Nizam A, Feldmann E, **Sangha R**, Campo-Bustillo I, Honda T, Cotsonis GA, Prabhakaran S; MyRIAD Investigators. MyRIAD Mechanisms of Recurrent Stroke In Intracranial Atherosclerotic Disease. International Stroke Conference 2020.
14. JG Romano, Prabhakaran S, Nizam A, Feldmann E, **Sangha R**, Campo-Bustillo I, Cotsonis GA, Liebeskind DS; MyRIAD Investigators. Mechanisms of Early Recurrence in Intracranial Atherosclerotic Disease (MyRIAD) Study: Participants, Clinical and Imaging Outcomes. International Stroke Conference 2020.
15. Prabhakaran S, Liebeskind DS, Cotsonis GA, Nizam A, Feldmann E, **Sangha R**, Campo-Bustillo I, Romano JG; MyRIAD Investigators. Predictors of Early Infarct Recurrence in Patients with Symptomatic Intracranial Atherosclerotic Disease. International Stroke Conference 2020.
16. Prabhakaran S, **Sangha R**, Ansari SA, Romano JG, Sylaja PN, Liebeskind DS. Borderzone Infarct Pattern Predicts Recurrent Stroke in Patients with Intracranial Stenosis. International Stroke Conference 2020.
17. Prabhakaran S, **Sangha R**, Ansari SA, PN Sylaja, Liebeskind DS, Romano JG. Cognitive Function in Patients with Intracranial Stenosis. International Stroke Conference 2020.

E. Clinical Trials

Clinical Trials at University of Alabama - Birmingham:

- Site Principal Investigator (2019-Present): A study on BMS-986177 for the Prevention of a Stroke in Patients Receiving Aspirin and Clopidogrel (AXIOMATIC-SSP)

StrokeNET participation:

- Sub-Investigator for ARCADIA trial
- Sub-Investigator for SleepSmart trial
- Sub-Investigator for TIMELESS trial
- Sub-Investigator for ASPIRE trial
- Sub-Investigator for SATURN trial

Clinical Trials at Northwestern Memorial Hospital:

- Sub-Investigator for POINT Trial
- Sub-Investigator for SOCRATES Trial
- Sub-Investigator for PRISMS Trial
- Sub-Investigator for SHINE Trial
- Sub-Investigator for RHAPSODY Trial

Clinical Trials at SUNY Upstate:

- Sub-Investigator for POINT Trial

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- Sub-Investigator for Acute Stroke Outcome Study