

**Neeraj Chaudhary MD/MBBS, MRCS(UK), FRCR(UK), FACR(USA), FAHA, FEBNI(EU)**  
Professor of Neurointervention & Neuroimaging (Adult & Peds)  
Neurointerventional Radiology (NIR) & Neuro-Diagnostic Radiology (NDR) Adult & Pediatrics  
Departments of Radiology, Neurosurgery, Neurology, & Otorhinolaryngology  
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## **Education and Training:**

### Undergraduate Education

07/85 – 08/89                      South Point High School, Kolkata, India

### Graduate Education

08/89 – 07/96                      Bachelor of Medicine & Bachelor of Surgery (MBBS: MD equivalent).  
University of Calcutta, Kolkata, India

### Postgraduate Education

09/94 – 08/95                      Internship  
Medical College & Hospitals  
Kolkata, India

09/95 – 07/96                      Staff Physician in Urology with  
Dr. Shivaji Basu MD FRCS in Kolkata, India

08/96 – 07/97                      Gap in training – Completion of PLAB test (USMLE equivalent in UK) with relocation to UK

08/97 – 07/98                      House Officer – Residency General Surgery  
General Surgical Rotation  
Prince Charles Hospital NHS Trust  
South Wales, United Kingdom

08/98 – 01/01                      Senior House Officer – **Residency General Surgery**  
Basic Surgical Training Rotation  
Hull & East Yorkshire Hospitals NHS Trust  
Hull, United Kingdom

02/01 – 08/01                      Senior House Officer – **Residency Orthopedic Surgery**  
Heartlands & Solihull University Hospitals NHS Trust

Birmingham, United Kingdom

09/02 – 09/06	Specialist Registrar (SpR) – <b>Residency General Radiology</b> King's College Hospital NHS Trust London, United Kingdom
10/06 – 08/07	<b>Fellowship</b> <b>Neuro-diagnostic Radiology (NDR)</b> Adult & Peds (12 mths.) National Hospital for Neurology & Neurosurgery and Great Ormond Street Children's Hospital London, United Kingdom
09/07 – 08/08	<b>Fellowship</b> <b>Neurointerventional Radiology (NIR)</b> Adult & Peds (12 mths.) National Hospital for Neurology & Neurosurgery and Great Ormond Street Children's Hospital London, United Kingdom
09/08 – 08/09	<b>Fellowship</b> <b>Neurointerventional Radiology (NIR)</b> Adult and Peds (12 mths) University of Michigan Health System Ann Arbor, MI

### **Certification and Licensure:**

09/2008 – Present	Michigan State Full Medical License USA – 4301092784
08/1997 – Present	General Medical Council (UK License) – 4754420 (Specialist Register enrolled in the UK)
08/1996 – Present	Indian Medical Council (Indian License) – MC/523/93
05/2000 – Present	United Kingdom General Surgery Board Member of Royal College of Surgeons (MRCS) UK
05/2006 – Present	United Kingdom General Clinical Radiology Board Fellow of the Royal College of Radiologists (FRCR) UK
10/2016 - Present	ABMS Diagnostic Radiology (American Board of Radiology)
4/2018 - Present	Recognition of Focus of Practice (RFP) CNS-ES, USA: 159
10/2018 - Present	Neuro-Diagnostic Radiology (NDR) (CAQ American Board of Radiology)
01/2019 - Present	EBNI, Diploma in Neurointervention (UEMS, ESMINT Europe)

## **Academic, Administrative and Clinical Appointments:**

### Clinical Appointments

09/01 – 08/02	Clinical Research Fellow, Spine Surgery University Hospitals of Leicester NHS Trust Leicester, United Kingdom
07/2021 – present	Professor of Neurointervention, UMICHWEST Metro Hospital, Grand Rapids, Michigan.
07/2022 – present	Professor of Neurointervention, Munson Healthcare, Traverse City, Michigan.
07/2011 – present	Professor of Neurointervention, Department of Neurosurgery, Michigan Medicine, Ann Arbor.
07/2016 – present	Professor of Neurointervention, Department of Neurology, Michigan Medicine, Ann Arbor.
07/2018 – present	Professor of Neurointervention, Department of Oto-rhino- laryngology, Michigan Medicine, Ann Arbor.

### Academic Appointments

2024 – Present	Examiner, RFP CNS-ES, ABNS
2021 – Present	Industry partnership and Pediatric NIR committee member at International Pediatric Stroke Organization (IPSO)
2020 – Present	CBTDDC/SIGN – Children’s Brain Tumor Drug Delivery Consortium/Society for Image Guided Neurointervention - collaborative society founding member
2020 – Present	Associate Editor – BMC Neurology
2018 – Present	Chair & Founder of Pediatric Neurointerventional Surgery section Within Society of Neurointerventional Surgery (SNIS)
2018 – Present	Member reviewer of Educational Exhibits Awards at RSNA in the Neuroradiology section
2017 – Present	Scientific Editorial Board: Head of Neuro Section (NIR & NDR) European Radiology Journal (Largest Radiology Journal in Europe – Impact Factor 4.4)

2015 – Present	Scientific Editorial Board Member: Neuro Section European Radiology Journal (Largest Radiology Journal in Europe – Impact Factor 4.4)
09/09 – Present	Assistant (2009), Associate (2016), Professor (2022) Neurointerventional Radiology (NIR), Department of Radiology & Neurosurgery University of Michigan Health System, Ann Arbor, MI
09/09 – Present	Assistant (2009), Associate (2016), Professor (2022) Neurointerventional Radiology (NIR), Department of Radiology & Neurosurgery Veteran’s Affairs Medical Center, Ann Arbor, MI

**Grants:**  
Approved

R01 – NS131514-01A1  
Human Intracerebral Hemorrhage: Impact of Hematoma size, Hemolysis, and Iron Overload on  
Edema and White Matter Survival by MRI.  
Sponsor: NINDS, ANIE  
Role: UM Principal Investigator  
Funding Dates: 03/01/2024 – 02/28/2029  
Funding Amount: \$ 2.5 million

R21 – NIH NINDS Exploratory Neuroscience research  
Phenomenon of ultra-early erythrololysis in Intracranial hemorrhage in Humans on MRI  
Sponsor: NINDS Exploratory Neuroscience research  
GRANT #: 5R21 NS104663-02  
Role: UM Principal Investigator  
Funding Dates: 09/30/2018 – 08/31/2020  
Funding Amount: \$427,625

R21 – NIH  
Brain Iron Quantification Based on MRI in Intracerebral Hemorrhage  
Sponsor: Health and Human Services, Department of National Institutes of Health  
Grant #: 13-PAF04409 R21NS099684  
Role: UM Principal Investigator  
Funding Dates: 07/01/2017 – 03/31/2019  
Funding Amount: \$427,625

R01 NS108042 Pandey (PI) 09/30/2018-07/31/2023  
Novel Ultrasonic Technique for the Treatment of Hemorrhagic Stroke  
Major Goals: 1) Design and construct a portable histotripsy ICH system with real-time 3D  
feedback that can transcranially liquefy and drain ICH with high precision and efficacy. 2)

Validate the targeting precision, treatment location profile, and efficacy of the transcranial histotripsy ICH system in human ICH phantom and fresh human cadaver. 3) Validate the safety and efficacy of the transcranial histotripsy ICH system in an established in vivo porcine ICH model.

Role: CoI

R01 EB028309 Xu (PI)

08/01/2019-04/30/2023

Transcranial Magnetic Resonance guided Histotripsy (tcMRgHt)

Major Goals: The goal of this project is to develop the first integrated tcMRgHT system for treatment of brain tumors.

Role: Co-Investigator

SOW #ML40787 Chaudhary (UM PI)

02/06/2019-03/31/2022

INC Research/ F. Hoffmann-La Roche AG

CTSU\_NSS Timeless Study (Radiology)

Major Goals: To evaluate the efficacy and safety of Tenecteplase compared with placebo in patients with acute ischemic stroke (AIS) and evidence of salvageable tissue on their baseline computed tomography perfusion (CTP) scan or magnetic resonance imaging (MRI) who present in the 4.5-to24-hour time window with an internal carotid artery (ICA) or middle cerebral artery (MCA; M1 or M2) occlusion.

Role: PI

### **Completed projects:**

TIMELESS – Multicenter prospective RCT assessing role of Tenecteplase in late presenting stroke

Sponsor: Genentech

Grant#:

Role: Site PI

Funding dates: 2019-2023

Funding amount: Per enrolled patient

DEFUSE 3

Sponsor: StrokeNet

Grant#: 16-PAF02440

Role: UM Principal Investigator

Funding dates: 8/16 – 8/18

Funding Amount: per enrolled patient

Apollo Study

Sponsor: Covidien/Medtronic Post Market Study

Grant #: 15-PAF05520

Role: UM Principal Investigator

Funding Dates: 8/28/2015 – 10/30/2016

Funding Amount: \$25,000

SNIS Fellowship Grant

Sponsor: Society of Neurointerventional Surgery (SNIS)

Grant #: 12-PAF07013

Role: UM Principal Investigator  
Funding Dates: 06/01/2012 – 06/30/2015  
Funding Amount: \$22,750

Radiology Departmental Seed Grant  
Sponsor: Department of Radiology University of Michigan  
Role: UM Principal Investigator  
Funding Dates: 07/01/2010 – 06/30/2012  
Funding Amount: \$25,000

## Honors and Awards:

- 2007 Best Speaker Award  
Computed tomography guided percutaneous biopsy of deep face and skull base lesions. **Chaudhary N**, Connor SEJ. European Society of Head and Neck Radiology (ESHNR), Oslo, Norway
- 2007 Best Poster Award  
Cranial nerve denervation atrophy and Imaging features: A pictorial review. **Chaudhary N**, Woo E, Fareedi S, Connor SEJ. European Society of Head and Neck Radiology (ESHNR), Oslo, Norway
- 2011 Magna Cum Laude  
Endovascular Management of Symptomatic Cerebral Vasospasm with Transluminal Balloon Angioplasty. Chen J, S Kathuria, **N Chaudhary**, J Gemmete, AS Pandey, D Gandhi. Electronic poster. American Society of Neuroradiology, Seattle, Washington
- 2021 Magna Cum Laude  
Pitfalls of imaging diagnosis of cerebral dural arterio-venous fistula. Leanne Lin, Zach Wilseck, Toshi Moritani, Joseph J Gemmete, **Neeraj Chaudhary**. RSNA 2021.
- 2023 Reviewer with **Distinction** in Radiology
- 2024 & 2025 Special Editor's award with **Distinction** in Radiology

## Memberships and Professional Societies/Committee:

- |                |   |
|----------------|---|
| 2000 – Present | Royal College of Surgeons UK                                  |
| 2004 – Present | Royal College of Radiologists UK                              |
| 2005 – Present | Radiological Society of North America (RSNA)                  |
| 2005 – Present | British Society of Neuroradiology (BSNR)                      |
| 2009 – Present | Society of Neurointerventional Surgery (SNIS) – senior member |
| 2009 – Present | American Society of Neuroradiology (ASNR)                     |
| 2009 – Present | American College of Radiology (ACR)                           |
| 2011 – Present | UK Neurointerventional Group (UKNG)                           |

2011 – Present	World Federation of Interventional & Therapeutic Neuroradiology (WFITN)
2011 – Present	European Society of Minimally Invasive Neurological Therapy (ESMINT)
2015 – Present	American Stroke Association/American Heart Association (ASA/AHA)
2015 – Present	World Stroke Organization (WSO)
2015 – Present	Society of Therapeutic Neuro-Intervention (STNI)
2016 – Present	European Stroke Organization (ESO)
2018 – Present	American Association of Neurosurgeons/Cerebrovascular Neurosurgeons (AANS/CNS)
2019 – Present	American Society of Pediatric Neuroradiology (ASPNR)
2019 – Present	<b>Chair, Pediatric Neurointerventional Committee, SNIS</b>
2020 – Present	International Pediatric Stroke Organization (IPSO) NIR council & Hemorrhagic stroke council
2020 – Present	CBTDDC/SIGN – Children’s Brain Tumor Drug Delivery Consortium/Society for Image Guided Neurointervention - collaborative society founding member
2021 – Present	Standards & Guidelines Committee (SNIS) member
2022 – Present	Stroke Thrombectomy Endovascular Platform (STEP) NIH – Thrombectomy Indication Expansion Group
2022 – Present	Education Committee (SNIS) Member

## Teaching:

### Undergraduate Medical Students

- University of Birmingham
- University of Leicester
- Guys King’s St Thomas Medical School London
- University College London

### Residents/Fellows Mentoring

#### *Neurointerventional Radiology NIR, University of Michigan:*

2011 – 2012	Augusto Elias, M.D. (Radiology)
2012 – 2013	Farid Aladham, M.D. (Radiology) Tristram Horton, M.D. (Neurosurgery)
2013 – 2014	Venu Vadlamudi, M.D. (Radiology) Chris Roark, M.D. (Neurosurgery) William Stetler, M.D. (Neurosurgery)
2014 – 2015	Chris Roark MD (Neurosurgery) Ravi Shastri MD (Radiology)

2015 – 2016	Ravi Shastri MD (Radiology) Julius Griauzde MD (Radiology)
2016 – 2017	David Andrew Wilkinson MD (Neurosurgery) Luis Savastano MD (Neurosurgery)
2017 – 2018	Julius Griauzde MD (Radiology)
2018 – 2019	gap
2019 – 2020	Zach Wilseck MD (Radiology) Amar Amaresh MD (Radiology)
2020 – 2021	Leanne Lin MD (Radiology) Junior Badih Daou MD (Neurosurgery)
2021 – 2022	Zach Wilseck MD (Radiology) Adam Khan MD (Neurosurgery)
2022-2023	Leanne Lin MD (Radiology) Dan Vollhaber MD (Neurosurgery)
2023 – 2024	Brian Sifrig DO (Radiology) Ehsan Dowlati MD (Neurosurgery)
2024 - 2025	Brian Sifrig DO (Radiology) Rachel Hunt MD (Neurosurgery)

*Neuro-Diagnostic Radiology NDR, University of Michigan:*

2009 – 2010	Ryan Dvorak, M.D. Aaron Gibson, D.O. Suyash Mohan, M.B.B.S. Seetha Vakhariya, M.D.
2010 – 2011	Amit Balgude, M.D. Augusto Elias, M.D. Nickoleta Hoefling, M.D. Ajaykumar Morani, M.D. Amir Moubayed, M.D.
2011 – 2012	Asif Abdullah, M.D. Mohammad Arabi, M.D. Thomas Bryson, M.D. Alex Dombrowski, M.D. Philip Lobert, M.D.

2012 – 2013	Alex Brown, M.D. William Godfrey, M.D. Krishna Perni, M.D. Justin Waters, M.D. Page Wang, M.D.
2013 – 2014	Mark Buehler II, M.D. Aaron Hurlbut, M.D. I. Rekha Messa, M.D. Ryan Nichols, M.D. Sachin Patel, M.D. Ravi Shastri, M.D.
2014 – 2015	Anthony Livorine MD Dylan Samarwikarma MD Colin McKnight MD Rickin Shah MD Michael Adix MD Abhijit Patil MD
2015 – 2016	B. Dan Pipitone Jeremy Clark Nathan Hill Gretchen Quinones Barbosa Eric Luao Salman Mohiuddin
2016 – 2017	Jason Kramer Ezra Hagerty Andrea Moore Karl Kado Julius Griauszde Ciprian Gradinaru
2017- 2018	Mohamed Bazerbashi Bryan Canty Michael Carter Roberto Rivera-de Choudens Chirag Dani Omar Eissa
2018 – 2019	Rani Bashiti Brock Bleazard Timothy Donahue Roberto Gonzalez-Oriozola Matthew Manganaro Eric Rawie

2019 – 2020	Connor Hasbrook Syed Jafri Chelsea Jeranko Dean Josefowski Paul Morales Chevres, Edgar Bronson Yaldoo
2020 – 2021	Zachary Wilseck Yoshiaki Ota Felix Boucer Sevcan Turk Jared Stricof Jacob Wallace
2021-2022	Leanne Lin David Schlensky Joshua Joseph Jeremy Ross Yoshiaki Ota Guillaume Curaudeau Joaquim Ortiz-Cruz

#### Reviewer for Peer-reviewed Journals

- Radiology
- European Radiology – Neuro Section Head on the Scientific Editorial Board
- Journal of Cerebral Blood Flow & Metabolism (JCBFM)
- Academic Radiology
- Postgraduate Medical Journal
- PLoS One
- Neurosurgery
- Journal of Neurointerventional Surgery
- Neurosurgery
- Journal of Neurosurgery
- World neurosurgery

#### Teaching Experience

##### *International – Extramural*

04/07	National Hospital for Neurology & Neurosurgery London, England Teaching OR nurses on neuroangio rota – Technical aspects of endovascular cerebral aneurysm coiling procedures.
05/07	National Hospital for Neurology & Neurosurgery London, England

Teaching pediatric neurology and neurosurgery residents - Pediatric cerebral neurovascular abnormalities.

- 06/07      National Hospital for Neurology & Neurosurgery  
London, England  
Teaching anesthesiology residents – Basics of CT and MR and plain film interpretation.
- 09/14      Apollo Neurointerventional Course International (ANIRCI 2014) – Cerebral Arterio-Venous Shunts in Adults, Chennai, India
- 12/14      Advanced Neurointerventional Course (ANIC 2014) – organized jointly by ESMINT and Swiss Neuro Foundation – Barcelona. Lecture and workshop; Topic: Follow up Observations (reverse remodeling and healing) and Management of Recurrent Aneurysm
- 09/2022      Kolkata Association of Neurology (KAN), Annual Meeting: Invited talks – Subarachnoid Hemorrhage ruptured aneurysm treatment. & Ischemic stroke Management with Neurointervention.
- 9/2024      **ESMINT** annual meeting: Marseille, France: MRI biomarker development including Iron quantification, Proportional Erythrolysis & White Matter health in Human ICH. Invited lecture.
- 9/2024      **BIHS** annual meeting: Manchester UK: MRI biomarker development including Iron quantification, Proportional Erythrolysis & White Matter health in Human ICH. Invited lecture.
- 10/2024      **WFITN Annual Meeting, NYC**: Pediatric Spinal vascular malformations. Invited Lecture
- 11/24      **Shanghai Stroke Association, Shanghai**: MRI biomarker development including Iron quantification, Proportional Erythrolysis & White Matter health in Human ICH. Invited lecture.
- 2/2025      **NASBS/WFSBS Annual Meeting, New Orleans**: Skull Base Neurointervention Pearls. Invited lecture.

*National (extramural)*

- 10/11, 10/12, 10/13, 10/14      Michigan State Medical Society (MSMS) Annual Meeting, Somerset Inn, Troy, Michigan. Update in Cerebrovascular Disease Management Annual course. Course Director for 2014 session.
- Feb 2020      Society of Therapeutic Neurointervention (STNI), Annual meeting: IA chemosurgery for retinoblastoma. Invited lecture.

2/2022      **ASSR**, annual meeting, Austin: Spinal vascular Anatomy & Pathology. Invited lecture.

*Institutional (intramural)*

9/10              Nurse Practitioners of Michigan – Acute Stroke Intervention: An Update  
Grand Rapids, Michigan USA

01/11             University of Michigan  
Ann Arbor, MI  
Annual Neurovascular lectures for Neurosurgery Residents in the  
Neurosurgery Programme at University of Michigan – Diagnostic  
Cerebral and Spinal Angiography.

04/11             University of Michigan  
Ann Arbor, MI  
Neurology Grand Rounds, Unique angiographic appearance of venous  
sinuses in the spinal canal in the context of spinal dural fistula.

05/11             University of Michigan  
Ann Arbor, MI  
Neurology Patient Conference, the same patient with spinal dural fistula  
was presented.

08/11             University of Michigan  
Ann Arbor, MI  
Neurology Patient Conference: CCF and endovascular management.

08/11             University of Michigan  
Ann Arbor, MI  
Neurology Grand Rounds, 3<sup>rd</sup> Nerve Palsy.

09/11             University of Michigan  
Ann Arbor, MI  
Annual Neurovascular lectures for Neurosurgery Residents in the  
Neurosurgery Programme at University of Michigan – Diagnostic  
Cerebral and Spinal Angiography.

11/11             University of Michigan  
Ann Arbor, MI  
Ophthalmology Grand Rounds, 3<sup>rd</sup> Nerve Palsy.

07/12             University of Michigan  
Ann Arbor, MI  
Annual Neurovascular lectures for Neurosurgery Residents in the  
Neurosurgery Programme at University of Michigan – Diagnostic  
Cerebral and Spinal Angiography.

- 08/12 University of Michigan  
Ann Arbor, MI  
Neurosurgery first year Residents teaching as part of their Neuro-critical care curriculum; Basic considerations in cerebral and spinal angiography.
- 09/13 University of Michigan  
Ann Arbor, MI  
Neurosurgery residents teaching: Diagnostic Cerebral Angiography - exposure in simulation lab at Towsley Center.
- 09/13 University of Michigan  
Ann Arbor, MI  
Weekly Neuroradiology Interesting Case Conference – for Neuroradiology/Radiology Residents & Fellows.
- 07/14 University of Michigan  
Ann Arbor, MI  
Annual Neurosurgery Resident Lectures: Cerebrovascular Anatomy – An Angiographic Perspective.
- 08/14 University of Michigan  
Ann Arbor, MI  
Neurointerventional lecture Series: Neurointerventional Radiology: An Overview Part – I
- 09/14 University of Michigan  
Ann Arbor, MI  
Neurointerventional lecture Series: Neurointerventional Radiology: An Overview Part – II
- 10/14 Neuro-ICU interns skills month: NIR teaching – Basics of Cerebral and Spinal angiography and hands on session at the Twosley Simulation Center. University of Michigan, Ann Arbor, MI
- 1/15 Kellogg Eye Center, University of Michigan, Ann Arbor MI  
Mid-winter Neuroophthalmology Symposium  
The Endovascular Revolution: Coils Stents and Liquid Embolics
- 7/15 Neurology Grand Rounds: Neurointervention In Acute Ischemic Stroke. Danto Auditorium, CVC, University of Michigan Health System
- 11/15 Neuro-ophthalmology Grand Rounds: Difficult CCF endovascular treatment. Kellogg Conference Center, University of Michigan Health System
- 8/16 ENT grand rounds: Carotid Blowout Syndrome

10/16	Neurosurgery Resident NIR Teaching: Intern Skills Month – cerebral & spinal angiography
11/16	Pediatric Anesthesia Teaching rounds: Retinoblastoma & Chemosurgery
1/17	Anesthesia Department: Update on treatment of Neurovascular diseases
2/17	Neurology Resident Teaching Rounds – Non-invasive MRI: Could it improve our understanding of ICH – A translational perspective
10/17	Neuroangiography for first year Neurosurgery Residents: Skills Month
10/17	Pipeline Flow diversion for Aneurysms causing 3 <sup>rd</sup> Nerve palsy: Neuro-ophthalmology Grand Rounds
12/17	Neurointervention in Acute Ischemic Stroke: Neuroanesthesia Fellow Lecture
12/17	Neurointervention in Acute Ischemic Stroke: Michigan VIR Tech Chapter
02/18	Neurointervention in Acute Ischemic Stroke: Michigan VIR Didactic Lectures
04/18	Neurointervention in Acute Ischemic Stroke: Stroke Day for Nurses in Stroke Unit and NICU
6/2018	Acute Neurointervention in ischemic stroke: for Neurodiagnostic Radiology (NDR) Fellows
10/2018	Ophthalmology grand rounds: IA treatment of pleomorphic adenocarcinoma of lacrimal gland
02/2019	Stroke Symposium: Comprehensive stroke center Metro Health Grand rounds
10/2019	Neurosurgery Intern skills month: Cerebral Angiography
08/2020	Presurgical cerebral tumor embolization: Neurosurgery Grand Rounds
10/2020	Flow diverter stent based treatment of cerebral aneurysm: Neurosurgery Grand rounds
11/2020	Tissue iron quantification by MRI in ICH: Evidence for Human Translation – Radiology Department Research grand rounds
01/2021	Neuroanesthesia Fellow Lecture: Neurointerventional Radiology Update for Neuroanesthesia
4/2021	Neurosurgery Resident Lecture: Grand Rounds – Flow Diverter stents

5/2021	Neurosurgery Resident Lecture: Grand Rounds – Cerebral Tumor Embolization
10/2021	Radiology Resident Teaching: Acute Cerebral Ischemic Emergency; Imaging & Treatment
10/2021, 10/2022	Neurosurgery Resident Teaching: Basics of Neuroangiography with session at the Towsley Simulation Center.
01/2022	Neuroanesthesia Fellow Lecture: Neurointerventional Radiology (NIR) Update for Neuroanesthesia
11/2022	Neuro-Diagnostic Radiology (NDR) Fellow lecture – Aneurysm treatment update
01/2023	Neuro-ophthalmology Symposium, Kellogg Eye Center, Panel Member.
01/2024	Neuro-ophthalmology Grand round – Kellogg Eye Center, An atypical case of dural CCF.
05/2024	Stroke Symposium: Management of Cerebral AVM, Ypsilanti, Marriott, Ann Arbor.
9/2024	Neuroangiography: Basics for Neurosurgery Interns at Michigan Medicine

#### Informal Tutorials

2001	Surgical residents preparing for Membership of the Royal College of Surgeons
2007	Radiology residents preparing for Fellow of the Royal College of Radiologists

### **Committee, Organizational, and Volunteer Service:**

#### *International*

10/2020	<b>Associate Editor: BMC Neurology, Frontiers in Neurology &amp; Endovascular Intervention</b>
01/2021	Editorial Board Member: Frontiers in Neurology, Neurosurgery & Neuro Critical Care.
02/01/2018	<b>Head of Neuro-section in Editorial Board of European Radiology (Largest Radiology Journal of Europe impact factor 4).</b>

05/16/12	Moderator, Session for Percutaneous Embolization of Hypervascular Head and Neck Tumors, World Federation of Skull Base Society Meeting, Brighton, United Kingdom.
01/2015	<b>Scientific Editorial Board Member: European Radiology (Impact Factor – 4.4) Neuro Section (Neurointerventional &amp; Neuro-diagnostic Radiology).</b>
7/2019	<b>Chair &amp; Founder - Pediatric Neurointervention Committee at SNIS</b>
05/2020	Research Committee member, ASNR
01/2021	Standards and Guidelines Committee Member, SNIS
11/2022	Education Committee Member, SNIS

*Institutional*

Since 2013	Stroke Quality Peer Review Committee
Since 2013	Stroke Quality Steering Committee
Since 2013	Stroke Arrival Process Lean Project
2013	Heparin safety in NIR project – completed with implementation of new recommendations in Adult and Pediatric NIR practice. Project awarded institutional best practice initiative.
2024	Member CLINICAP: Institutional Promotions Advisory Committee

*National*

5/2010	Moderator, Parallel Scientific Session, American Society of Neuroradiology, San Diego, CA.
12/08/11	Member of panel for Human Ischemic Pre-conditioning workshop (2 <sup>nd</sup> symposium), University Medical School, Miami, Florida.
9/27/2014	Co-Chair session VIII – Brain Edema & Brain Protection – Brain Edema Conference 2014, LA, USA
11/28/2016	Moderator: Neurointerventional Session: RSNA 2016
05/2022	Moderator: Pediatric Neurointervention: ASNR 2022
01/2023	Moderator: Cerebral Arterial and Venous Anatomy, Webinar SNIS
10/2024	Moderator: Pediatric Percutaneous Spine Interventions, WFITN, NYC

09/22 Moderator, Posterior circulation stroke, Kolkata Association of Neurology, Annual meeting, Kolkata, India.

## Bibliography:

### Peer-Reviewed Journals and Publications

1. **Chaudhary N**, Chetter IC, Renwick PR. Arterio-venous fistulae of the superficial temporal artery: a case report and literature review. *EJVES Extra*. 2001; 2(6): 102 – 104.
2. **Chaudhary N**, Dyde R, Chetter IC, Johnson BF. The consequences of an abdominal aortic aneurysm infected with Methicillin-resistant *Staphylococcus aureus* (MRSA). *Eur J Vasc Endovasc Surg*. 2001; 22(6): 568 – 569.
3. **Chaudhary N**, Longworth S, Sell PJ. Management of mechanical low back pain- a survey of beliefs and attitudes in GPs from Leicester and Nottingham. *Eur J Gen Pract*. 2004; 10(2): 71 – 72.
4. Connor SEJ, Tan G, Fernando R, **Chaudhary N**. Pseudofractures of the face and skull base on multislice CT – A pictorial review. *Clin Radiol*. 2005; 60(12): 1268 – 1279.
5. Ng L, **Chaudhary N**, Sell P. The efficacy of corticosteroids in periradicular infiltration for chronic radicular pain: a randomized, double-blind, controlled trial. *Spine (Phila Pa 1976)*. 2005; 30(8): 857 – 862.
6. Connor SEJ, **Chaudhary N**, Fareedi S, Woo EK. Imaging of muscular denervation secondary to motor cranial nerve dysfunction. *Clinical Radiology* 2006; 61(8): 659 – 669.
7. Connor SEJ, MRCP, FRCR, **N Chaudhary**, MRCS, FRCR. Imaging of maxillofacial and skull base trauma. *Imaging*, 19 (2007), 71 – 82.
8. S E J Connor, S Hussain, E Woo, S Morley, S H Liyanage, S P Spencer, K M Hogarth, J Makdissi, K S S Bhatia, T Iyngkaran, P S Richards, **N Chaudhary**, C Micallef, D E Saunders, A Siddiqui, R Jones, R Spendiff, and S Fareedi. Picture Quiz. *Imaging*; 19 (2007): 122 – 131.
9. Connor SE, **Chaudhary N**. CT-Guided percutaneous core biopsy of deep face and skull base lesions. *Clinical Radiology*. 2008; 63(9): 986 – 994.
10. Tay E, Gibson A, **Chaudhary N**, Olver J. Idiopathic Orbital Inflammation with Extensive Intra and Extra-cranial Extension Presenting as 6<sup>th</sup> Nerve Palsy: A Case Report and Literature review. *Orbit*. 2008; 27(6): 458 – 461.

11. Tafazal S, Ng L, **Chaudhary N**, Sell P. Corticosteroids in peri-radicular infiltration for radicular pain: a randomized double blind controlled trial. One year results and subgroup analysis. *Eur Spine J*. 2009; 18(8) 1220 – 1225.
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38. E-013 Image guidance as tool for arteriotomy closure in patients with difficult anatomy L Lin, Z Wilseck, B Daou, A Pandey, J Gemmete, N Chaudhary. Journal of NeuroInterventional Surgery 13 (Suppl 1), A69-A69. 2021
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#### **Ongoing/Completed other research projects:**

##### *Basic Science Research in collaboration with Neurosurgery:*

Collaborative Cerebrovascular animal laboratory space with Neurosurgery has been set up in the Neurosurgery Animal laboratory housed at the BSRB.

- **Radiology Research Seed Grant awarded 7/14/2011** – PI - Analyzing healing of iatrogenic aneurysms in rat models specifically looking at effects of Aspirin and Plavix. Manuscript submitted for peer review
- Co PI with Completed Protocols Approved by UCUCA & IRB for initial experiments aimed at better understanding of aneurysm healing with various in situ coils currently on the market.
- 7T MRI gradient echo image correlation of organized tissue formation in the iatrogenic Rat external carotid artery aneurysm model at day 14 following aneurysm embolization with measurements performed at the carotid bifurcation histological specimen under light microscopy - completed.

- Aims of performing bench to bedside translational research to improve outcome in patients with cerebrovascular diseases. DTI imaging role in Hemorrhagic and Ischemic Stroke – ongoing study
- Co PI – Role of Ultrasound tagged Near Infra Red Spectroscopy (NIRS) in patients with vasospasm secondary to SAH – ongoing study.
- Ongoing project looking at iron quantification on MR in patients with hemorrhagic stroke – R21 funded from July 2017.
- Co PI on project on phase 1 trial of Minocycline in Subarachnoid Hemorrhage patients as iron chelating agent looking at difference in patient outcomes. Potential R01 grant application in 2015.
- RO1 – PI – March 2024. Role of markers of brain tissue injury on MRI in human ICH.

### ***Clinical Research Collaboration:***

- Clinical collaboration has been set up with Ophthalmology and Pediatric Oncology – IA Chemotherapy for Retinoblastoma: Clinical service established with Ocular Oncologist Dr. Hakan Demirci; A Michigan First - 2013.
- Site PI for DEFUSE 3 – Multicenter stroke trial that established stroke thrombectomy for acute Ischemic stroke patients with large vessel occlusion, upto 16 hrs from stroke.
- Site PI for the TIMELESS trial which is ongoing looking at role of tenecteplase in patients with large vessel occlusion and thrombectomy.
- Co-Investigator MR RESCUE – Multicenter Randomized clinical trial to assess role of CT/MR perfusion in selecting patients for intra-arterial mechanical thrombectomy.
- Co-Primary Investigator in setting up of THERAPY trial – Multicenter national randomized controlled trial to evaluate the role of intra-arterial mechanical thrombectomy in patients with CT proven at least 8 mm clot burden in the MCA randomized to standard medical therapy.
- Co – Investigator – HEAT trial – Analyzing effectiveness of hydrogel coated coils compared to bare platinum coils.
- Co –Investigator – FEAT trial – Target 10 vs 18 coil in the framing of large aneurysms lead to reduced aneurysm recurrence.
- Currently exploring collaborative research with Electrical Engineering Department to investigate clinical application of microsensors in neurovascular disease animal models.
- Role of DTI in Ischemic Stroke – PI – IRB Approved