

Education

Neuroimmunology Fellowship: July 2025 – June 2026
University of Florida Health, Shands Hospital

Adult Neurology Residency: July 2021 - June 2025
University of Kentucky, Albert B. Chandler Hospital

Bachelor of Medicine, Bachelor of Surgery (MBBS): November 1999 – August 2006
Kasturba Medical College, Manipal Academy of Higher Education. Manipal, India

Board Certification

American Board of Psychiatry and Neurology, Inc. (ABPN): September 2025 - Present
Diplomate, Neurology
Certificate number: 67891

ECFMG Certification

M.D. : Active: June 2020 -Present
License Number: 0-681-078-2

Licensure

Colorado Medical Board Licensure
M.D.: Active: Jun 2026 – Present
License Number: DR 0077964

Florida Department of Health Medical Licensure
M.D.: Active: Jun 2025 – Jan 2027
License Number: ME 175168

Kentucky Board of Medical Licensure
M.D. : Lapsed: 2021-2025
License Number: R5653

Department of Health – Abu Dhabi, UAE
M.B.B.S. Inactive: 2017-2021
License Number: GD22365

Andhra Pradesh Medical Council, India
M.B.B.S. Active: 2007-Present
License Number: APMC/FMR/95665

Karnataka Medical Council, India
M.B.B.S. Inactive: 2006-2007

License Number: 75140

Professional Employment

National Jewish Health: August 2026 – Present
Denver, Colorado, USA
Instructor, Neuroimmunology
Division of Neurology

University of Florida: July 2025 – June 2026
Gainesville, FL, USA
Neuroimmunology Fellowship Program

University of Kentucky: July 2021 – Jun 2025
Lexington, KY, USA
Adult Neurology Residency Program

Al Ittihad Medical Centre: July 2017 – March 2021
Abu Dhabi, United Arab Emirates
Primary Care Physician

- Provided primary medical care services for patients in the adult and geriatric age groups

Medical Director

- Performed oversight and updated general institutional policies, protocols and procedures
- Head of Quality Management Team: Oversight of quality of medical data management and medical coding

Sri Venkataramana Hospital: October 2007 - May 2017
Andhra Pradesh, India
Internal Medicine Physician

- Provided in-patient internal medicine and outpatient medical care for adult patients

Teaching | Leadership

University of Kentucky

- Chief Resident of the Adult Neurology residency program 2024-2025
- GME Resident and Fellow Forum committee member 2024-2025
- Neurology Education Committee member 2024-2025
- Speaker at the Resident recruitment virtual open house. September 2024
- Wellness Committee Member (2023-2024): Promoting the physical and mental well-being of the members of the residency program; through the planning/organization of recreational activities outside of the workplace and fostering a positive culture within the program
- Neuro-Jeopardy Quizmaster (2023-2024): Monthly Jeopardy style quiz game where the residents are divided into 3 teams and compete over the course of the year; in order to integrate learning with team

Misbah Azeem, M.D.

(720) 434-9466 E-Mail: azeemm@njhealth.org

bonding and camaraderie

- Interview Meet and Greet Leader (2023-2024): Organization of the set up and conducting the introductory sessions with the candidates prior to their official interviews
- Neurology Residency PGY-2 Orientation Leader and Boot Camp Committee Member (June 2023-Present): Involved in the education and preparation of the incoming PGY-2 Adult Neurology residents
- Neurology Match Mentorship Program (2023-2024): Mentor for PGY-1 incoming resident, Benjamin Smith

University of Florida

- Instructor – Clinical Neuroscience course: BMS6020 Lab Introduction Part 2
Meninges, Basal Ganglia, Diencephalon, Deep Gray and Deep White Matter Anatomy

Awards and Honors

University of Kentucky

- Program Directors' Resident of the Year Award – June 2025
- University of Kentucky GME Resident of the Month – October 2024
- Neurology Residency Program Resident of the Month – October 2024
- Trainee Research Day Best Poster Award (March 2024). Azeem M, Sudhakar P. Finding NMO: A retrospective analysis of the demographics and clinical phenotypes of Neuromyelitis Optica Spectrum Disorder at the University of Kentucky
- Resident of the Month Award - October 2023: As described by the Neurology Residency Program – awarded to the resident that reflects their dedication to the missions and values of the Neurology Department
- Resident Role Model Award 2022-2023: As described by the Neurology Residency Program – awarded to the resident that exemplifies humanistic qualities. The goal of the award is to emphasize, reinforce, and enhance the importance of humanism among medical students and faculty. The presence of a caring, compassionate, and collaborative learning environment serves as a positive reinforcement to prospective physicians of the desirability of such qualities in the doctor-patient relationship

National

- Awarded Resident Scholarship to AAN annual meeting: San Diego, April 2025
- Scholarship to the ACTRIMS Resident Summit and the annual ACTRIMS summit. Florida. February 2024

Research Activities

Clinical trials

- Served as a patient clinical rater/examiner in the below clinical trials
- **METEOROID:** A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy, Safety, Pharmacokinetics, and Pharmacodynamics of Satralizumab as Monotherapy or in Addition to Baseline Therapy in Patients with Myelin Oligodendrocyte

Glycoprotein Antibody-Associated Disease (MOGAD). Protocol number OCR41512. ClinicalTrials.gov ID: NCT05271409

- **FILIOS:** A Phase 3, open-label, randomized, parallel group, non-inferiority study to investigate the pharmacokinetics, pharmacodynamics, safety and tolerability of a new maintenance dosing regimen of ofatumumab, followed by extended treatment in participants with relapsing multiple sclerosis. Protocol number: OCR47969. ClinicalTrials.gov ID: NCT06869785
- **AGNOS:** An 18-month, Open-label, Multi-Center Study to Assess the Effect of Ofatumumab 20mg SC Monthly in Treatment Naïve, Very Early Relapsing Remitting Multiple Sclerosis Patients Benchmarked Against Healthy Controls on Select Outcomes. Protocol number: COMB157GUS10. ClinicalTrials.gov ID: NCT05533471
- **FREVIVA:** A Randomized, Double-blind, Phase 3 Study Comparing Efficacy and Safety of Frexalimab (SAR441344) to Placebo in Adult Participants with Nonrelapsing Secondary Progressive Multiple Sclerosis. Protocol number: EFC17504. ClinicalTrials.gov ID: NCT06141486
- **RESHAPE:** Efficacy and safety of Remibrutinib and participant satisfaction after switching from ocrelizumab in people living with relapsing multiple sclerosis. Protocol number: COMB157GUS10. ClinicalTrials.gov ID: NCT06846281
- **PERSEUS:** A Phase 3, randomized, double-blind, efficacy and safety study comparing SAR442168 to placebo in participants with primary progressive multiple sclerosis (PERSEUS). ClinicalTrials.gov ID: NCT04458051
- **TREAT-MS:** U.S.-based pragmatic, randomized trial comparing two treatment strategies for relapsing-remitting MS: early aggressive therapy (high-efficacy DMTs) vs. traditional escalation therapy (starting with moderate-efficacy DMTs). ClinicalTrials.gov ID: NCT03500328

Research projects

- “Utilizing the NACRMS Database to Identify Associations between Sociodemographic Factors and Disability In Multiple Sclerosis”. Azeem M, Bhaskar B, Rempe T, Montalvo Perero M
- Quality improvement project: Outpatient clinic reference guide. Creation of a concise, easy to access resource on the ten most commonly encountered cases in the outpatient setting. Azeem M, Akemokwe F, Welleford A, Mathias S (Apr 2025 – July 2025)
- Quality Improvement project. What We Got Here Is Failure To Communicate: How a simple step can enhance inter-physician communication and maintain patients' continuity of care. Preceptor: Dr. Ima Ebong, MD (July 2024 – February 2025)
- Finding NMO: Do Astrocytopathies within the Neuromyelitis spectrum disorder behave differently? A retrospective analysis at the University of Kentucky. Preceptor: Dr. Joshua Chalkley, Dr. Padmaja Sudhakar (January 2025)
- Finding NMO: A retrospective analysis of the demographics and clinical phenotypes of Neuromyelitis Optica Spectrum Disorder at the University of Kentucky: Dr. Padmaja Sudhakar MD (May 2023)
- Enhancing resident education of evaluation and management documentation guidelines and reimbursement through a multi-step approach at a university hospital”. Preceptor: Dr. Kevin O’Connor MD. (January 2022 – April 2025)

Publications and Posters

National/International Meetings

- Bhaskar B, **Azeem M**, Rempe T, Montalvo Perero M. "Utilizing the NARCRMS Database to Identify Associations between Sociodemographic Factors and Disability In Multiple Sclerosis". CMSC (Consortium of MS Centers) Annual Meeting May 2026. Oral/Platform presentation (Pending)
- **Azeem M**, Vasireddy R, Prabu P, O'Connor K. "Cracking the Code: Enhancing Neurology Residents' Understanding of E/M Coding and Reimbursement". AAN Annual Meeting, San Diego. April 2025
- **Azeem M**, Smith B, Krupenin P, Coskun E, Thandampallayam M. "The Grand Masquerade of a Rare Neurological Illness: A Case Report of Anti-IgLON5 Antibody Disease". AAN Annual Meeting, San Diego. April 2025
- Khalid M U, Wilkerson P, **Azeem M**, Hussain N, Mahuwala Z, Kapoor S, Ainger T, Bensalem-Owen M, Clay J, Mirza F. Responsive Neurostimulation of Heschl's gyrus: a case series of auditory aura associated epilepsy. American Epilepsy Society, Los Angeles, December 2024
- Gorty D, **Azeem M**. E-Pearl: Dorsal Midbrain Syndrome, AAN Neurology Journals. October 2024
- Khalid M U, Wilkerson P, **Azeem M**, Hussain N, Mahuwala Z, Kapoor S, Ainger T, Bensalem-Owen M, Clay J, Mirza F. Responsive Neurostimulation of Heschl's gyrus: a case series of auditory aura associated epilepsy. International Congress of Clinical Neurophysiology poster presentation, Jakarta, Indonesia, September 2024
- **Azeem M**, Clay J, Mahuwala Z, Kapoor S, Mirza F. "Heschl's Gyro: A unique auditory phenomenology observed during electrical stimulation". American Clinical Neurophysiology Annual Meeting, Orlando, FL (March 2024)
- **Azeem M**, Clay J, Mahuwala Z, Kapoor S, Mirza F. "Helicopter blade sound as part of auditory aura phenomenology observed during electrical stimulation mapping of Heschl's gyrus". American Epilepsy Society Annual Meeting, Orlando, FL (December 2023)

Local/State Meetings

- **Azeem M**, Sudhakar P. "Finding NMO: A retrospective analysis of the demographics and clinical phenotypes of Neuromyelitis Optica Spectrum Disorder at the University of Kentucky" (Presented Poster March 2024)
- **Azeem M**, Vasireddy R, O'Connor K. "Enhancing resident education of evaluation and management documentation guidelines and reimbursement through a multi-step approach at a University hospital" (Presented poster March 2023)
- Krupenin P, **Azeem M**, Chalkley J. "A Clinical Case of Delayed Contrast-Induced Encephalopathy Mimicking ADEM" (March 2024)
- Menghani D, **Azeem M**, Thandampallayam M. "Frozen Globe: A case series of orbital apex syndrome associated with Herpes Zoster Infection" (March 2023)
- Khaleefah M, **Azeem M**, Kamat S, Al Janabi O, Jicha G. "Bell's palsy: Mimics May Delay Treatment of Critical Neurological Disease States" (Presented March 2023)
- **Azeem M**, Swafford K. "The Many Faces of MELAS: A case report" (Pending submission, 2024)

Misbah Azeem, M.D.

(720) 434-9466 E-Mail: azeemm@njhealth.org

Special Assignments

University of Kentucky

- Status epilepticus alert
 - Worked with University of Kentucky medical leadership and the Neurology Epilepsy Division to streamline the Status epilepticus alerting mechanism and facilitate the transition from the pagers to exclusively Epic EHR based alerts.
 - Involved in the decision making of the Status epilepticus alert content and tone
- RITE NITRO
 - Self-initiated teaching project: residency-wide preparation for RITE 2025. Sent daily reminders to all the co-residents about high yield Neurology topics/mnemonics.
- Neuro-Tanka
 - Self-initiated teaching project: residency-wide gamification of Neurology topics, inspired by my stroke patient overcoming aphasia. A self-made weekly Tanka (a type of Japanese poem) with clues to a neurological illness is shared with the residents in order for them to solve

Speaking Engagements

National Meetings

- American Academy of Neurology Annual Meeting Presentation: “NeuroRadiology Clues”. A Jeopardy style quiz in collaboration with Vasireddy R and Guduru Z. AAN annual meeting, San Diego, April 2025
- American Academy of Neurology: Virtual Resident Lecture Series – “Carotid Interventions – Where Do We Stand in 2024?” - October 2024
- American Society of Neuroimaging: Guest Lecture Series – “Carotid Interventions – Where Do We Stand in 2024?” - October 2024

University of Florida Meetings

- Journal Club: “Et tu Brute-on – A review of the Tolebrutinib trials” (February 2026)
- Journal Club: “Tired – How effective are the medications we use for MS related fatigue?” (March 2026)

University of Texas at Tyler Meetings

- Introduction to NMOSD and MOGAD (October 2025)

University of Kentucky Local/State Meetings

- Grand Rounds in Adult Neurology: “Bread and Circuses – Bringing the Games Back to Neurology” (May 2025)
- Neurology and Stroke Symposium at Pikeville Medical Center. “Movement Disorder Emergencies”, presented with Dr. Zain Guduru (October 2024)
- Grand Rounds in Pediatric Neurology: An Approach to the Patient Presenting with White Matter Disease – When Do We PRES the Panic Button? (August 2024)
- Grand Rounds in Pediatric Neurology: Into the Gray Zone – Unraveling Brain Death by Neurological

Misbah Azeem, M.D.

(720) 434-9466 E-Mail: azeemm@njhealth.org

Criteria (February 2024)

- Grand Rounds in Adult Neurology: CAR-T therapy in Multiple Sclerosis (February 2024)
- Grand Rounds on sub-optimal interdisciplinary communication resulting in negative outcomes. "Communication Breakdown: When not sharing is not caring". (January 2023)
- Grand Rounds on MELAS syndrome. "A Rare Cause of Stroke in a Young Woman: MELAS Syndrome". (February 2023)
- Grand Rounds in Pediatric Neurology. "Pediatric CNS Tumors - A Primer". (September 2022)

University of Kentucky Meetings

- Immunologic and Infectious Brain Injury. Physical Medicine and Rehabilitation Brain Injury Didactic (March 2025)
- RITE Review Presentation: Neuroimmunology (October 2024)
- Journal Club, August 2024: Critical appraisal of DISCOMS: Risk of new disease activity in patients with multiple sclerosis who continue or discontinue disease-modifying therapies - a multi-center, randomized, single-blind, phase 4, non-inferiority trial
- Introduction to General Neurology Consults – The PGY-2 Lecture Series. July 2024
- Interesting Case Conference March 2024: "Horse-lips Localization: a unique presentation in an AML patient"
- Journal Club March 2024: A critical appraisal of the article, "Association of Amount of Weight Lost After Bariatric Surgery With Intracranial Pressure in Women With Idiopathic Intracranial Hypertension"
- RITE Review Presentation: Neuroimmunology (November 2023)
- Morbidity and Mortality Conference. "Delays in medication refills leading to catastrophic outcomes: Are we the barriers to patient care?" (August 2023)
- Trainee Research Day 2022-2023: Enhancing resident education of evaluation and management documentation guidelines and reimbursement through a multi-step approach at a university hospital. (March 2023)
- Morbidity and Mortality Conference. Catastrophic hemorrhage in the setting of initiating triple therapy in a patient with acute stroke and atrial fibrillation. (December 2022)
- Journal Club Presentation. A critical appraisal of the "1-2-3-4 day rule" for starting DOACs after ischemic stroke with atrial fibrillation. (September 2022)
- Unit level SWARM. Analyzing a near miss event. "Medication ordered for the wrong patient: avoiding a common resident error". (April 2022)
- RITE Review Presentation: Vascular Neurology & Neurocritical Care. (February 2022)
- Vascular Conference. "New onset seizures in the setting of multiple intracranial aneurysms". Case presentation. (January 2022)

Service Activities

Department of Transport Nursery

Primary Care Physician

Abu Dhabi, UAE; 2018-2021

- Description: Monthly well health check-ups and growth monitoring of children under the age of 4 years. Basic health education of the nursery staff

Misbah Azeem, M.D.

(720) 434-9466 E-Mail: azeemm@njhealth.org

Integrated Child Development Services Scheme – Women Development and Child Welfare Department *Medical Officer*

Andhra Pradesh, India; 2008-2017

- Description: To address the welfare of pregnant women, nursing mothers and to improve the nutritional and health status of children up until adolescence. It involved weekly visits to rural areas to perform well health checks, address medical complaints and to impart health education

T.M.A. Pai Rotary Hospital

Medical Officer

Karnataka, India; 2006

- Description: Affordable health care to the under-privileged and the rural communities of the state. As part of the medical faculty and part of the Medical Obstetrics team, addressing women's medical complaints in the perinatal period

Integrated Child Development Services Scheme – Anganwadi Program

Medical Officer

Karnataka, India; 2004-2007

- Description: Improving the nutritional and health status of less privileged children in rural areas. Involved weekly visits to established rural primary health care facilities to conduct survey of families, well health check-ups of children, growth monitoring, nutritional and health education, immunizations, basic health services and distribution of supplementary nutrition

Conference Attendance

- American Academy of Neurology Annual Meeting. San Diego, April 2025
- ACGME Chief Training Workshop. Chicago, June 2024
- ACTRIMS Resident Summit and ACTRIMS Conference. Florida, February 2024
- Emirates Family Medicine Society (EFMS) Congress – Dubai, UAE (January 2020)
- E-Regional Interchange on Diabetes (E-RID). Dubai, UAE (June 2020)
- 3rd UAE Obesity Summit – Abu Dhabi, UAE (April 2019)
- UAE Degludec Summit – Abu Dhabi, UAE (March 2019)
- Diabetes Expert Forum – Dubai, UAE (October 2018)
- 2nd UAE Obesity Summit – Abu Dhabi, UAE (September 2018)

Certifications and Memberships

- Neurostatus Expanded Disability Status Scale (EDSS) Certification (July 2025 – Present)
- Responsible Conduct of Research (Basic Course) (September 2023)
- Junior Member, Movement disorder Society (January 2022- Present)
- Junior Member, American Academy of Neurology (June 2021- Present)
- Junior Member, Commonwealth Neurological Society (June 2021 – Present)
- Professional Certification NIH Stroke Scale (NIHSS) Training (June 2021- Present)
- Advanced Cardiac Life Support (April 2021- Present)
- Student member, American Medical Association (June 2020- Present)
- Group 4 HIPAA (June 2020)

Misbah Azeem, M.D.
(720) 434-9466 E-Mail: azeemm@njhealth.org

Languages

Fluent in English, Hindi and Urdu

Proficient in French and Arabic