

# Diana Leigh Alsbrook, M.D.

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## EDUCATION AND MEDICAL TRAINING

### **Neurocritical Care Fellowship, *Expected Start Date July 2023***

Fellowship Director: Nicholas Morris, MD

*University of Maryland School of Medicine/R Adams Cowley Shock Trauma, Baltimore, MD*

### **Vascular Neurology Fellowship, July 2022 - *Expected Graduation June 2023***

Fellowship Director: Katherine Nearing, MD, MPH

Clinical/Research Mentor: Andrei V. Alexandrov, MD

Research Mentor: Nitin Goyal, MD

*University of Tennessee Health Science Center, Memphis, TN*

### **Neurology Residency, July 2019 – June 2022**

#### **Administrative Chief Resident, 2021-2022**

Program Director: Marc Malkoff, MD

*University of Tennessee Health Science Center, Memphis, TN*

### **Internal Medicine Preliminary Internship, July 2018 – June 2019**

Program Director: Robert Bradsher, MD

*University of Tennessee Health Science Center, Memphis, TN*

### **Medical Degree (MD), August 2014 – May 2018**

Award: Outstanding Student in Neurology Clerkship

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

### **Bachelor of Science in Engineering: Aerospace/Mechanical Engineering, August 2008 – May 2012**

Honors Diploma, Cum laude

### **Non-Degree Seeking, May 2012 – May 2013**

*University of Alabama in Huntsville, Huntsville, AL*

## WORK EXPERIENCE

### **Tele-Neurologist, Tele-Stroke Physician**

*TeleSpecialists, Fort Myers, FL*

*May 2022 – Present*

- Managing neurology and stroke patients from multiple states virtually via different video platforms; I make decision on thrombolytic and thrombectomy, as well as other management decisions and discussions with patients and families
- Trained in multiple EMR environments: Cerner, Epic, Allscripts, Meditech, Meditech Expanse, other Meditech versions, other EMRs
- Obtained multiple state medical licenses and credentialed at over 100 hospitals across the country to provide care to underserved and rural hospitals that have less access to neurology and stroke physicians

### **Vascular Neurology Fellow Physician**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN*

*July 2022 – Present*

- Lead the stroke team under the supervision of our vascular neurology trained faculty at a large volume Comprehensive Stroke Center (CSC) at Methodist University Hospital, our predominant acute care hospital with a large Stroke Unit and both dedicated Neuro-Critical Care Units at Methodist University Hospital (Director, Dr. Lucas Elijovich) and Baptist Memorial Hospital – Memphis (Director, Dr. Hana Nobleza)
- Serve as a point of contact for our nurse practitioners on the tele-stroke service as they staff patients over virtual platforms to provide care at outlying facilities that lack access to vascular neurology inpatient services
- When on call, serve as the primary point of contact for neurology residents at our CSC, as well as to Emergency Medicine physicians at outlying facilities within or outside of the Methodist network in our covered region

### **Neurology Resident Physician**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN*

*July 2019 – June 2022*

- Admit patients or serve as a consultant in a large volume Comprehensive Stroke Center at Methodist University Hospital, our predominant acute care hospital with a large Stroke Unit and dedicated Neuro-Critical Care Unit; we have three separate services (general neurology, stroke, critical care) with subspecialty attendings to provide the best and most current treatment for a diverse and underserved patient population
- Received tele-stroke and tele-neurology training as a PGY-2 and PGY-3 during the COVID-19 pandemic to increase resident safety and learn a growing field of tele-medicine and tele-neurology
- Serve as a consultant at three other large adult care hospitals in the city of Memphis: Baptist Memorial Hospital, Regional One Medical Center and Veterans Affairs Medical Center
- Rotate as a consultant on the pediatric neurology team at Le Bonheur Children's Hospital and St. Jude Children's Research Hospital
- Maintain a follow up outpatient clinic at the Veterans Affairs Medical Center (VAMC) to see general neurology patients to promote continuity of patient care
- Experience with Cerner, Epic, and CPRS (VA Medical Center) electronic medical record systems throughout training; assisted Regional One Medical Center with implementation of the new Cerner system in 2019 as a physician user

### **Internal Medicine Preliminary Resident Physician**

*University of Tennessee Health Science Center Department of Medicine, Memphis, TN*

*July 2018 – June 2019*

- Rotated on internal medicine, medical ICU, cardiology, transplant ICU, ID, and pulmonology inpatient teams
- Maintained a medicine continuity clinic and spent time in HIV and cardiology subspecialty clinics

### **Medical Scribe**

*PhysAssist Scribes, Memphis, TN*

*July 2013 – June 2014*

- Assisted Emergency Medicine Physicians at Le Bonheur Children's Hospital with electronic medical record (EMR) documentation to increase efficiency and decrease patient time spent in the emergency room
- Practiced medical terminology, learned about the EMR system (Cerner) and improved teamwork and communication skills

### **Academic Tutor**

*WyzAnt Inc., Huntsville, AL*

*July 2012 – May 2013*

*Appleton Learning, Huntsville, AL*

*August 2012 – February 2013*

- Worked with students in elementary to college level math and science courses
- Improved communication, teamwork, and organizational skills and how to work with students with a broad range of learning styles and personalities

### **Avionics Engineering Intern**

*Sikorsky Aircraft, Huntsville, AL*

*May 2010 – May 2012*

- Performed software updates and software testing for US Army's Blackhawk helicopter
- Performed tasks for project management to develop metrics, keep track of budget and status of project
- Promoted March of Dimes events (Bikers for Babies and March for Babies) to Sikorsky employees and management
- Learned to communicate efficiently with a large team and importance of research and lifelong learning

### **Undergraduate Assistant for MAE 285: Numerical Methods and Computation**

*University of Alabama in Huntsville, Huntsville, AL*

*January 2010 – April 2011*

- Demonstrated and assisted with assignments in programming languages (MATLAB/MathCAD), as well as Microsoft Excel and Word
- Learned to tutor and assist students with a range of learning styles, and furthered knowledge of subject

## **RESEARCH EXPERIENCE**

### **Gut Microbiome in Subarachnoid Hemorrhage and Intracranial Hemorrhage, Dr. Riad Ramadan, PI**

*Henry Ford Health System (HFHS), Detroit, MI*

*March 2022 – Present*

- Working with Dr. Ramadan to create and submit IRB to HFHS to start feasibility study to look at the gut microbiome in subarachnoid and intracranial hemorrhage patients admitted to the Neuro-ICU

**QI Project: Antiplatelet Use in TIA Patients at Non-Comprehensive Stroke Centers, Dr. Diana Alsbrook, PI**  
*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *January 2022 – July 2022*  
*Methodist Le Bonheur Healthcare, Memphis, TN*

- Project completed within the TMA John Ingram Institute for Physician Leadership Program to change to how we manage TIAs at the non-comprehensive stroke centers within our healthcare system, to improve the rate of patients that receive appropriate antiplatelet therapy after TIA

**Thrombolytic use in Patients on Oral Anticoagulation with High NIHSS or Large Vessel Occlusion, Dr. Diana Alsbrook, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *October 2021 – Present*  
*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Composing SPSS file of variables for collection to evaluate thrombolytics in patients with large vessel occlusions on anticoagulation
- Project is associated with the IRB for the Stroke Database at Methodist University Hospital

**Individualized Fluid Resuscitation in the Neuro-ICU, Dr. Nitin Goyal, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *September 2021 – Present*  
*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Authored a full proposal for funding of clinical trial and worked with PI to construct a formal study protocol and awaiting funding result
- Plan to work with PI and other faculty to prospectively collect information, monitor results, and eventually submit abstract and manuscript

**Post-Recanalization Study for Individualized Post-Thrombectomy Care, Dr. Nitin Goyal, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *August 2021 – Present*  
*Baptist Memorial Hospital – Memphis, Memphis, TN*

- Authored a full proposal for funding of clinical trial and wrote the study protocol with PI; my PI was awarded funding based on this proposal
- Created list of variables for data collection in a prospective manner to perform a feasibility study prior to initiation of clinical trial
- Abstract prepared regarding study concept and design, planned for submission
- Plan to work with PI and other faculty to prospectively collect information, monitor results, and eventually submit abstract and manuscript

**QI Project: Dual Antiplatelet Therapy Discharge Protocol and Involvement of Primary Care Physician in Stroke Discharge Plan and Post-Stroke Education, Dr. Diana Alsbrook, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *August 2021 – June 2022*  
*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Initiated QI project to protocolize discharge DAPT plan at a large comprehensive stroke center to prevent overuse of DAPT past intended period at discharge
- Looking to also improve discharge education for post-stroke patients at a large comprehensive stroke center, as well as protocolizing involvement of patient's current PCP, or arranging new PCP for continuity

**QI Project: Implemented Lecture System Effect on RITE Exam Scores, Dr. Balaji Krishnaiah, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *April 2021 – June 2022*  
*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Looked at improvement in class RITE exam scores prior to and in years following newly implemented half-day lecture system protected for residents

**QI Project: Aspiration Precautions and Outcomes in Stroke, Dr. Diana Alsbrook, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *March 2021 – June 2022*  
*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Initiated QI project to improve aspiration caused by post-stroke dysphagia at a large comprehensive stroke center
- Worked alongside our speech pathology department for a multidisciplinary approach

**QI Project: EMS Prehospital Protocol for Code Strokes, Dr. Nariman Noorbakhsh, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN*      *March 2021 – June 2022*

*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Participated in QI project to improve the prehospital and EMS protocol for patients that will be considered a code stroke upon arrival to the ED

**Multi-center Study on Mechanical Thrombectomy in Posterior Circulation Stroke, Dr. Nitin Goyal, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN February 2021 – June 2022*

*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Reviewing charts for multi-center study on thrombectomy technique and devices used as well as outcomes in posterior circulation stroke
- Multiple abstracts and manuscripts submitted to conferences and peer reviewed journals

**Neurologic Events in COVID-19 Database, Dr. Diana Alsbrook, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN April 2020 – March 2023*

*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Serve as co-Principal Investigator for an exploratory retrospective cohort designed study to review and analyze the neurological events and outcomes in all patients admitted to Methodist University Hospital that were diagnosed with COVID-19
- Worked alongside co-PI (previously Dr. Brittany Kasturiarachi) in determining plan of action for creating the study as well as study question(s) and then subsequently worked as a team to create the full IRB proposal to gain approval for project
- Setting up a long-term database for the university for maintenance and review of short- and long-term complications of COVID-19
- During the course of the project, Semmes Murphey Clinic Neuropsychologists, Dr. Brandon Baughman and Dr. Kathleen Montry, joined the project, and we added a prospective component to evaluate the long-term neuropsychiatric effects of COVID-19; currently applying for a grant specific to this portion of the study
- Because of my involvement in this project, was asked by Dr. Anne Alexandrov to participate in a global COVID-19 study regarding stroke care during the pandemic; global study was published in *Neurology*

**Intracerebral Hemorrhage Database, Dr. Andrei Alexandrov, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN October 2019 – Present*

*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Complete comprehensive chart review of all patients admitted to a large comprehensive stroke center with the diagnosis of intracerebral hemorrhage with focus on outcomes
- Took over management of the project IRB and research database as a chief resident and continued during stroke fellowship when I transitioned the entire database to RedCap
- Work with neurology faculty, co-residents, and fellows on abstract submissions to multiple conferences, and manuscript submissions to peer reviewed journals

**Stroke and Mechanical Thrombectomy Database, Dr. Andrei Alexandrov, PI**

*University Tennessee Health Science Center Department of Neurology, Memphis, TN May 2017 – Present*

*Methodist University Hospital, Comprehensive Stroke Center, Memphis, TN*

- Complete comprehensive chart review in stroke patients who received acute treatment with thrombolysis or endovascular therapy at a large comprehensive stroke center
- Took over management of the project IRB and research database as a chief resident and continued during stroke fellowship when I transitioned the entire database to RedCap
- Work with neurology faculty, co-residents, and fellows on abstract submissions to multiple conferences, and manuscript submissions to peer reviewed journals

**Department of Surgical Oncology Research Database, Dr. Paxton Dickson, PI**

*University Tennessee Health Science Center Department of Surgery, Memphis, TN November 2014 – July 2016*

- Collected data from past and present patient encounters with the diagnosis of gastric adenocarcinoma
- Participated in preparing materials for the IRB process at UTHSC, including completion of CITI training
- Researched further into the presentation and prognosis of gastric adenocarcinoma, and learned the process of reviewing patient's charts, clinic notes and pathology reports as a medical student

**Department of Trauma Surgery Research Database, Dr. Thomas Schroepfel, PI**

*University Tennessee Health Science Center Department of Surgery, Memphis, TN April 2015 – June 2015*

*Regional One Medical Center, Memphis, TN*

- Collected data from past trauma patients that were given beta-blockers at any point during their hospital stay
- Question: whether trauma patient outcome was improved if beta-blocker was given earlier vs later
- Worked with residents, fellows and attending physicians to publish article in *The American Surgeon*

**Undergraduate Honors Thesis, Dr. Dawn Bardot, Advisor**

*University of Alabama in Huntsville, Huntsville, AL*

*September 2011 – April 2012*

- Determined research question: “Can an engineering solution, such as a wearable device, be useful in the prevention of back injuries in nursing?” based on problem stated in various research articles
- Prepared information needed for Institutional Review Board (IRB) to perform surveys and an experiment
- Conducted survey of nurses to determine feasibility of a wearable device in the workplace
- Measured forces on back and quadriceps, looked at correct angles of knees and back while doing nursing tasks
- Learned value of interdisciplinary education in research and how to ask effective research questions

**HEALTHCARE AND COMMUNITY SERVICE**

**Project Access West TN, Neurology Volunteer**

*Memphis Medical Society (MMS), Memphis, TN*

*January 2022 – Present*

- Worked alongside Nicole Scroggins at MMS to spread the word to primary care physicians about Project Access, a program that allows patients without insurance to access subspecialty care
- Volunteered as a senior neurology resident and vascular neurology fellow to see patients in need of neurological care, under the supervision of an attending neurologist
- Met with Graduate Medical Education leadership and UTHSC executives to explore ways to get residents and fellows, and in the future, medical students, involved in this community and region wide service

**Medical Reserve Corps Team Member**

*Shelby County Medical Reserve Corps, Memphis, TN*

*February 2015 – Present*

- Completed FEMA, disaster response, Community Emergency Response (CERT), Basic and Advanced Disaster Life Support (BDLS, ADLS) training in order to promptly respond to emergency events in Shelby County and nationwide if necessary
- Meet monthly, as available, with MRC staff to discuss training opportunities and upcoming events and deployments
- Combine my passion for medicine with my interest in disaster relief to be involved in my community and give back in times of need

**Partner Volunteer, Partners in Health**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

*May 2015 – July 2016*

- Met with my assigned partner, a previously homeless lady who recently signed up for assistance in accessing permanent shelter; we met once weekly to every other week during the specified time period and continued to meet after the program ended
- Arranged cooking classes, workout classes, met at the library to work on her resume and search for a job; was there for encouragement as she decided to re-connect with her children, built a lasting relationship of trust and support

**Street Clinic Volunteer, Memphis Street Health (MSH)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

*May 2015 – July 2016*

- Coordinated street clinic times, and volunteered for street clinic in which we met homeless people and provided basic hygiene and healthcare, such as feet washing, vital sign monitoring, and free basic examination

**Medical Clinic Volunteer – Nicaragua, Peru**

*Way of the Cross Ministries (Nicaragua)*

*January 2013, January 2014*

*International Service Learning (Peru)*

*July 2014*

- Worked with pediatric and adult patients in clinic to provide medicine and care for many chronic as well as acute illnesses
- Assisted in pharmacy to distribute donated medications and vitamins to patients
- Learned about Nicaraguan and Peruvian culture and language, learned about different medical conditions prevalent there compared to the United States

### **Patient Support and Caregiver Relief Volunteer**

*Gentiva Hospice (Wiregrass Hospice), Huntsville, AL*

*July 2011 – July 2013*

- Visited hospice patients to provide emotional support and socialization
- Provided relief for the hospice patient's family or caregiver by keeping the patient company
- Attended and served food and beverages at annual memorial service for patients who had passed
- Gained insight into companionship, hospice care, and grieving process for all involved

### **Inpatient Surgery Volunteer**

*Huntsville Hospital, Huntsville, AL*

*October 2011 – May 2012*

- Assisted in Inpatient Surgery holding area and worked to keep patients calm and comfortable prior to surgery
- Obtained understanding of physician communication and value of bedside manner to the patient and families

### **Events Captain, Event Promoter, March of Dimes**

*March of Dimes, Huntsville, AL*

*May 2011 – May 2012*

- Served as captain for Bikers for Babies and March for Babies to raise money and awareness of premature births and birth defects
- Organized ideas and activities for 2011 and 2012 Bikers for Babies event in North Alabama
- Formed Sikorsky Aircraft team for 2012 March for Babies event to raise money for cause
- Presented to Sikorsky Aircraft upper-level executives and management about March of Dimes, which led them to be a corporate sponsor for 2012

## **ACADEMIC AND ORGANIZATION LEADERSHIP POSITIONS**

### **Membership Committee Member**

*Neurocritical Care Society*

*January 2022 – Present*

- Represent the society and offer insight into what works and does not work for the different levels of membership, worked with other society members to make necessary changes to membership options to gain and retain society members and collaborators

### **Board of Directors, Resident/Fellow Representative**

*Memphis Medical Society (MMS)*

*November 2021 – Present*

- Meet alongside the MMS Board of Directors to represent and enhance the resident experience within the society
- Provide a resident perspective on the needs of the city's medical community
- Given a full scholarship for the John Ingram Institute for Physician Leadership to work on a personal leadership project with personal mentors from January to July 2022
- Participated in Tennessee Medical Association (TMA) Doctor's Day on the Hill 2022, where we brought a group of over 10 residents to advocate for the healthcare needs of our state
- Served as a delegate at the TMA House of Delegates as part of my goal to be more involved in physician advocacy and policy-making

### **Trainee Section Leadership Committee Member**

*Neurocritical Care Society*

*November 2021 – Present*

- Support the interests of neurocritical care trainees from all disciplines and work with section leadership on current and new projects to improve trainee involvement in the society as well as their path to fellowship and beyond
- New sub-lead of the NCS Annual Meeting subcommittee to assist in planning trainee events at the annual meeting; committee member for Fellowship Resource Development and NCS Trainee Year-Round Mentorship subcommittees

### **Professional Relations Committee Member, TMA Resident and Fellow Section Governing Council**

*Tennessee Medical Association (TMA)*

*October 2021 – Present*

- Maintain relationships between TMA and other professional organizations; promote policies, projects, and image of the TMA
- Oversee the internal and external communications processes between the TMA and its constituencies

### **Student Education Committee Member, Medical Student Clerkship in Neurology**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN*

*June 2021 – June 2022*

- Asked by clerkship director to play a role in the medical student clerkship as a physical exam and case presentation instructor
- Met with the medical students on each clerkship to teach the normal neurologic exam and go over patient cases with abnormal exam findings to supplement their learning on the wards

### **Chief Resident, Neurology Residency**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN* *May 2021 – May 2022*

- Serve as an advocate and point-of-contact for the program and all neurology residents, and communicated directly with the program and associate program directors and department chair
- Work to enact change where needed to continue to improve the program as well as resident and faculty wellness
- Design the full year block schedule for 22 adult neurology residents and 4 pediatric neurology residents (adult rotations), as well as the individual detailed monthly call schedules for every essential service, non-essential service, and elective rotation
- Asked to be a formal interviewer during the residency interview season for the 2022 Neurology Match; participated in interviewing and ranking candidates for our program
- Participate in our comprehensive stroke center's quarterly Patient Safety and Quality Improvement meeting
- Newly implemented a resident ran mortality and morbidity conference alongside a faculty member to promote quality improvement within the department and hospital systems, and to review system errors to improve patient care; this was supported by the department chair as a mandatory department wide monthly event; I moderated each of these events
- Worked with co-chief to implement and run monthly department-wide research meetings, and maintain an up-to-date research database of all the current and ongoing research projects available for medical students and residents
- Worked alongside co-chief to create a new Neurology Resident On-Call Survival Guide that encompassed all of the important information for residents to have quickly on hand while on call in a high-volume neurology center
- Personally created, from scratch, a password protected resident and faculty website as a central location for all program information, including call schedules, lectures and conference schedules, a lecture library where all lectures are embedded and readily available for review, and both work and wellness resources for residents and faculty

### **Pre-Chief Resident, Neurology Residency**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN* *March 2021 – May 2021*

- Started gaining responsibility in preparation for chief year as a PGY-4 resident, including meeting with program leadership to discuss goals for the year ahead

### **Committee Co-Creator, Neurology Resident Recruitment Committee**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN* *August 2020 – May 2022*

- As a PGY-3, worked alongside one other co-resident to arrange virtual open house meetings for prospective candidates during the COVID-19 pandemic; along with this same co-resident, arranged and led all virtual pre-interview dinners with interview candidates
- As a chief resident, I created a formal Recruitment Committee alongside co-chief and associate program director; and continued to serve on the recruitment committee and arrange and lead virtual open house meetings for candidates

### **Class Representative, Neurology Resident Wellness Committee**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN* *November 2019 – June 2022*

- Served as a PGY-2 representative during the creation phase of the Neurology Resident Wellness Committee, an initiative designed by associate program director with input from class representatives from all neurology classes
- Created a comprehensive list of wellness resources on campus as well as around the community, including information on psychology and psychiatry providers
- Continue to serve as a wellness leader to promote wellness and a work-life balance for both residents and faculty

### **Resident Representative, Student Interest Group in Neurology (SIGN)**

*University of Tennessee Health Science Center Department of Neurology, Memphis, TN* *August 2018 – June 2022*

- Worked with UTHSC SIGN executive board to arrange meetings with residents, faculty, and program leadership
- Presented multiple lectures to SIGN group including preparation for residency applications and interviews, and other requested topics

**PGY-1 Preliminary Representative, Resident Executive Council (Internal Medicine)**

*University of Tennessee Health Science Center Department of Medicine, Memphis, TN August 2018 – June 2019*

- Served on the executive board for the internal medicine department as a representative of the preliminary PGY-1 residents (neurology, dermatology, radiology, ophthalmology) to help create protocols and processes that would change and improve upon the internal medicine resident experience

**President, Students for a National Health Program (SNaHP)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN May 2015 – June 2017*

- Educated healthcare professional students, physicians, other healthcare professionals and community members on the pros and cons of both America's current healthcare system and a single payer system
- Invited to facilitate multiple discussions in Memphis about the single payer healthcare system; one example, Forum for Social Justice in 2016
- Researched and learned the necessary business aspect of medicine as it relates to my future career and put into real life practice the importance of recognizing, respecting and learning from varying viewpoints and opinions

**President, UTHSC American Medical Student Association (AMSA)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN April 2016 – June 2017*

**Vice President, UTHSC American Medical Student Association (AMSA)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN July 2015 – April 2016*

- Worked with executive board members to plan large events, as well as lunchtime talks, for medical students on pertinent topics and current events
- Directly involved with our event coordinator in planning a multi-university, multi-disciplinary event in remembrance of World AIDS Day, our largest yearly event
- Interacted with administration to keep them updated on events, and to remain in accordance with school and marketing policies
- Practiced leadership and communication skills in order to delegate tasks while staying engaged in planning of events

**Education and Professional Development Committee Chair, Interprofessional Student Council (IPSC)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN September 2015 – May 2017*

- Worked on a multidisciplinary team to form educational events for the entire UTHSC campus to voluntarily participate in
- Came together with faculty from multiple colleges (medicine, pharmacy, dentistry, nursing) to create events, seminars, simulations that focused on the importance of the whole medical team working together for the best patient care
- Practiced the foundation of interdisciplinary education in classroom and simulation situations in order to make the transition from lecture hall to wards easier

**Partners in Health Coordinator, Street Clinic Co-Coordinator, Memphis Street Health (MSH)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN May 2015 – July 2016*

- Coordinated Partners in Health cooking classes and workout events where groups of students interact and partner with previously homeless community members to promote good health and exercise routines
- Worked with other board members in founding a unique medical necessity of giving healthcare to the homeless population of Memphis and promoted the need for us to serve this population better
- Helped plan and participated in monthly foot clinics and monthly social events for homeless and previously homeless population
- Experienced the difficulties of helping to build an organization from the ground up and seeing the huge difference a small group of people can make when a vision comes to fruition

**International Clinical Exchange Officer, UTHSC American Medical Student Association (AMSA)**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN September 2014 – August 2015*

- Worked to provide opportunities for fourth year students to take clinical elective months internationally
- Coordinated with the international members of AMSA and the International Federation of Medical Students' Association (IFMSA) to send our students on a clinical exchange as well as receive international students for UTHSC to host during a one month elective and created social program for incoming students to participate in



**President, Alpha Epsilon Delta (AED), Medical Careers Club (MCC)***University of Alabama in Huntsville, Huntsville, AL**April 2012 – April 2013*

- Prepared for general body meetings, outside speakers, events for student pre-professional student members
- Organized and planned annual international medical trip for students to Peru in May 2013
- Gained teamwork and organizational skills and learned how to be an effective leader

**Publications Chair, Medical Careers Club (MCC)***University of Alabama in Huntsville, Huntsville, AL**October 2011 – April 2012*

- Communicated special events, assist with general body meetings and other activities
- Organized tours of schools for pre-medical, pre-pharmacy and pre-veterinarian students
- Gained organizational, communication, and networking skills with various students and staff

**Treasurer, National Society of Black Engineers (NSBE)***University of Alabama in Huntsville, Huntsville, AL**April 2011 – April 2012*

- Prepared and maintained budget reports for activities and events
- Organized accounts, budgeted money raised and given to us in order to pay for members to attend convention
- Learned how to budget for an entire organization and emphasized importance of diversity to gain various perspectives

**EXTRACURRICULAR AND EDUCATIONAL EXPERIENCES****Enhanced Resident Leadership Program***American Academy of Neurology (AAN)**April 2022*

- Chosen by AAN as 1 of 10 adult neurology residents to come to the AAN Annual Meeting and participate in a special set of events to enhance leadership potential in neurology and the academy
- Received coaching from Keri Bischoff on Top 5 Clifton Strengths and how to grow and build on those strengths
- Mentored a medical student during the event with plans for ongoing mentorship and received attending physician mentoring during the leadership program to discuss personal goals of being more involved in advocacy and how to continue that in my career, met other physician leaders in the academy and learned from their journey

**John Ingram Institute for Physician Leadership, Physician Leadership Lab***Tennessee Medical Association (TMA)**January 2022 – July 2022*

- Chosen by the Memphis Medical Society and Tennessee Medical Association for a full scholarship to this 6-month leadership program
- Created a project to apply skills taught by this program in order to improve care in the team setting in my department; will apply skills to future positions and endeavors
- Participated in the Judgement Index (JI) assessment and received one-on-one coaching regarding the results and ways to improve my leadership abilities and work-life balance
- Leadership course is facilitated by Steve Harden of Leaders Get Results LLC

**EVOLVE Leadership Development Course for Women Trainees***American Medical Women's Association (AMWA)**January 2022 – July 2022*

- Participated in a 6-month leadership program in order to enhance my leadership abilities as a woman in medicine and learn from successful and like-minded leaders
- Participated in the CliftonStrengths assessment and received coaching within this leadership program regarding the results and how to enhance my natural talents and leadership strengths

**Neurocritical Care Society Year-Long Mentorship Program, Dr. Riad Ramadan, Mentor***Neurocritical Care Society (NCS)**May 2021 – April 2022*

- Met with Dr. Ramadan over Zoom and communicated over email to discuss research opportunities, professional growth, and career planning to prepare for my future career in neurocritical care
- Worked together on review paper on sodium disorders in the neurocritical care unit which was published in *Current Treatment Options in Neurology*

**NeuroTwitterNetwork 2.0 Team Member***May 2021 – June 2022*

- Assisted in the launch of the second version of the How To Neuro Twitter guide

- Promoted Neuro Twitter Network to new and existing members to further the reach of social media to current and future neurology trainees for support through application cycles and training

### **Principles of Clinical Medicine Teaching Scholar**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

*August 2017 – May 2018*

- Asked to provide extra teaching to first- and second-year medical students due to outstanding clinical evaluations during core medical school clerkships
- Guided students through physical exam, history taking, ultrasound, and other clinical skills, as well as graded and gave constructive feedback on OSCEs

### **MPOWER Community Learning, Medical School Mentorship Program**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

*August 2014 – May 2018*

- Mentored by pediatric neuro-radiologist, Dr. Asim Choudhri, throughout my first year of medical school
- Continued to participate in the yearly mentorship program as a mentor in medical school to support fellow future physicians in their career paths

### **Student Learning Community, Class of 2018**

*University of Tennessee Health Science Center College of Medicine, Memphis, TN*

*January 2015 – May 2015*

- Worked with 11 other classmates, upperclassmen and pathology faculty and residents to solve problems, work on sample medical cases and prepare lecture material for pathology
- Met twice weekly to engage in educational discussion, debate and group-study
- Practiced teamwork in a medically driven setting to help prepare for real world application of class material

### **Student and Team Representative**

*International Service Learning (ISL), Corpus Christi, TX*

*June 2012 – July 2013*

- Promoted International Service Learning trips for students my undergraduate campus
- Kept students up to date on ISL news and prepared a UAH team for Peru in May 2013
- Learned about different programs available for pre-med and medical students globally, improved networking with global physicians and other pre-med students

### **Charger Rocket Works Payload Engineer**

*University of Alabama in Huntsville, Huntsville, AL*

*August 2010 – July 2011*

- Worked with 8 students and 1 graduate student to build high-powered rocket for NASA's University Student Launch Initiative Tier 2 Competition (USLI)
- Researched and designed science payload for 9ft rocket with a research design to collect data for Space X
- Launched rocket at NASA's Wallops Test Facility over 12,000 feet and recovered from Atlantic Ocean
- Contributed to the writing of NASA required documentation from the proposal to the final report after launch
- Learned teamwork, research skills in building from scratch and practiced technical writing in reports to NASA

### **Basketball Player**

*University of Alabama in Huntsville, Huntsville, AL*

*August 2008 – March 2010*

*White Station High School, Memphis, TN*

*August 2004 – March 2008*

*Amateur Athletic Union (AAU) – Team Memphis Elite, Memphis, TN*

*February 2001 – July 2007*

- Led AAU team as captain for 5 years, to both state and national championships
- Participated as a varsity basketball player (4 years) and led as team captain as a junior and senior (HS)
- Gained teamwork and leadership skills, along with training in self-motivation, discipline, and persistence
- Learned importance of producing best efforts, good sportsmanship, and heart along with hard work

## **HEALTH ADVOCACY AND POLICY EXPERIENCE**

### **Neurology on the Hill**

*American Academy of Neurology (AAN)*

*May 2022, March 2023*

- Chosen by AAN after application submission to represent Tennessee in Washington D.C. to discuss policy issues important to neurologists and AAN with TN Senators and Representatives
- Served as Tennessee State Captain for the 2023 AAN Neurology on the Hill to help prepare the TN team for the hill visits and acted as a liaison between the staff and the team

## **TMA House of Delegates (HOD)**

*Tennessee Medical Association (TMA)*

*May 2022*

- Served as a delegate for the Memphis Medical Society chapter during the TMA HOD to discuss and vote on resolutions from across the state presented by multiple medical societies and individual physicians and medical students

## **TMA Doctors' Day on the Hill**

*Tennessee Medical Association (TMA)*

*March 2022*

- Traveled to the state Capitol in Nashville, TN to discuss topics and issues of concern for TN physicians and our patients with TN state Senators and Representatives
- Helped spread the word to other residents to get involved, over 10 medicine, pediatric, and med-peds residents to attend with me to increase interest and involvement in health advocacy
- 

## **CONFERENCE/SOCIETY LECTURES AND PRESENTATIONS**

*Mid-Atlantic Neurocritical Care Symposium, Baltimore, MD – May 2023*

- *Emergency Neurologic Life Support (ENLS) Course*
  - *ENLS 5.0: Acute Ischemic Stroke*

*Neurocritical Care Society 20<sup>th</sup> Annual Meeting, San Antonio, TX – October 2022*

- CINCO Sessions – SCI: San Antonio Edition
  - Discussion on airway management in spinal cord injury

*Neurocritical Care Society 20<sup>th</sup> Annual Meeting, San Antonio, TX – October 2022*

- First Time Conference Attendees – Year-Long Mentorship Program
  - Introduction and discussion regarding the NCS year-long mentorship program sponsored by the NCS Trainee Section Leadership

## **ACADEMIC MEDICINE FORMAL LECTURES AND PRESENTATIONS**

- Introduction to Neuroradiology, M3 Clerkship – March 2023
- Neurology Case Discussion and Team Based Learning, M3 Clerkship – March 2023
- Vascular Neurology Mortality, Morbidity and Improvement Conference – March 2023
- Neurologic Emergencies for the Internist (UTHSC Department of Internal Medicine) – January 2023
- Vascular Neurology Journal Club and Evidence Based Medicine – “Antiplatelet Use in Ischemic Stroke” – October 2022
- Vascular Neurology Journal Club and Evidence Based Medicine – “On Label tPA Use” – July 2022
- QI Project Presentation: Tennessee Medical Association – July 2022
- UTHSC Neurocritical Care Mortality and Morbidity Conference – April 2022
- UTHSC Department of Neurology Resident Mortality and Morbidity Conference Moderator – March 2022
- UTHSC College of Medicine Introduction to Specialties: Neurology – March 2022
- UTHSC College of Medicine Gross Neuroanatomy Lab Instructor – January 2022
- UTHSC Department of Neurology Resident Mortality and Morbidity Conference Moderator – January 2022
- UTHSC Department of Neurology EEG Case Conference – December 2021
- UTHSC Department of Neurology Resident Mortality and Morbidity Conference Moderator – November 2021
- Neurocritical Care Lecture Series (Vent, EVD, sodium, aSAH, and post-thrombectomy management), M4 Clerkship, Neurology Residents – November 2021
- Anatomy of the Autonomic Nervous System, M3 Clerkship – October 2021
- UTHSC Department of Neurology Resident Mortality and Morbidity Conference Moderator – October 2021
- Pediatric Brain Tumor Review (UTHSC Department of Pediatric Neurology) – September 2021
- Lumbar Puncture Simulation Lab for UTHSC Medical Students – August 2021
- Lumbar Puncture Simulation Lab for UTHSC Neurology Residents – August 2021
- Neurocritical Care Lecture Series (Vent, EVD, sodium, aSAH, and post-thrombectomy management), M4 Clerkship, Neurology Residents – August 2021
- Persistent Carotid-Vertebrobasilar Anastomoses, M3 Clerkship, Neurology Residents – August 2021
- Antiplatelet and Anticoagulant Use in Acute Stroke, Neurology Residents – August 2021

- Code Stroke Need to Know for the Internist (UTHSC Department of Internal Medicine) – August 2021
- UTHSC Department of Neurology Journal Club: CHANCE and POINT – August 2021
- Guidelines and Treatment of Traumatic Brain Injury (TBI), Neurology Residents – August 2021
- Neurologic Emergencies for the Internist (UTHSC Department of Internal Medicine) – July 2021
- Guidelines in Acute Pediatric Stroke (UTHSC Department of Pediatric Neurology) – July 2021
- UTHSC Department of Neurology Resident Mortality and Morbidity Conference Moderator – July 2021
- UTHSC Department of Neurology EEG Case Conference – June 2021
- Child Neurology Board Review, Neurology Residents – April 2021
- Neurology Resident Application, Interview and Rank List Tips (UTHSC Student Interest Group in Neurology) – March 2021
- UTHSC Department of Neurology General Neurology Case Conference – February 2021
- Neurology Resident Interview and Rank List Tips (UTHSC Student Interest Group in Neurology) – November 2020
- Neuromuscular Board Review, Neurology Residents – November 2020
- Neurology and COVID-19 (UTHSC Student Interest Group in Neurology) – September 2020
- Persistent Carotid-Vertebrobasilar Anastomoses, M3 Clerkship, Neurology Residents – April 2020
- Neurology Interest and Medical Student Tips (UTHSC Student Interest Group in Neurology) – November 2019
- HIV Medication Pharmacology and Management, Medical Student Lecture Series – March 2019
- Sepsis, Shock and Hemodynamics, Medical Student Lecture Series – March 2019
- Stroke Overview for Medical Students, Medical Student Lecture Series – December 2018
- Speaker and Moderator: Screening of the Documentary Movie “Now is the Time – Health Care for Everyone”, UTHSC College of Medicine – May 2017
- UTHSC Family Medicine Journal Club: Non-Vitamin K Antagonist Oral Anticoagulants vs Warfarin in Non-Valvular Atrial Fibrillation (based on Yao et al, 2016, JAHA) – August 2017

#### PUBLICATIONS, ABSTRACTS, AND POSTERS

Bhatia K, Ladd LM, Carr KH...**Alsbrook DL**...Divani AA. Contemporary Antiplatelet and Anticoagulant Therapies for Secondary Stroke Prevention: A Narrative Review of Current Literature and Guidelines [published online ahead of print, 2023 Apr 11]. *Curr Neurol Neurosci Rep.* 2023;10.1007/s11910-023-01266-2. doi:10.1007/s11910-023-01266-2

**Alsbrook DL**, Di Napoli M, Bhatia K, et al. Pathophysiology of Early Brain Injury and Its Association with Delayed Cerebral Ischemia in Aneurysmal Subarachnoid Hemorrhage: A Review of Current Literature. *J Clin Med.* 2023;12(3):1015. doi:10.3390/jcm12031015

Mittal S, **Alsbrook D**, Okwechime RT, Iqbal F, Nobleza COS. The landscape of disparities in obstetric neurocritical care and a path forward. *Front Neurol.* 2023;13:1008544. doi:10.3389/fneur.2022.1008544

Hafeez MU, Essibayi MA, Raper D...**Alsbrook D**...et al. Predictors and outcomes of first pass efficacy in posterior circulation strokes: Insights from STAR collaboration. *Interv Neuroradiol.* 2022;15910199221149080. doi:10.1177/15910199221149080

**Alsbrook DL**, Heiferman DM, Dornbos D, et al. External validation of TICI-ASPECTS-glucose score as a predictive model for symptomatic intracranial hemorrhage following mechanical thrombectomy. *J Stroke Cerebrovasc Dis.* 2022;31(11):106796. doi:10.1016/j.jstrokecerebrovasdis.2022.106796

Heiferman D, Tsvigoulis G, Singh S, **Alsbrook D**, Zaid G, Krishnaiah B, Inoa V, Khan N, Nিকে C, Hoit D, Alexandrov AV, Elijevich L, Arthur A, Goyal N. *Predictors of Decompressive Hemicraniectomy in Successfully Recanalized Patients with Anterior Circulation Emergency Large Vessel Occlusion.* Manuscript Accepted for Publication, **IN PRESS**, March 2022. *Stroke: Vascular and Interventional Neurology.*

Baba M, **Alsbrook DL**, Williamson S, Soman S, Ramadan AR. Approach to the Management of Sodium Disorders in the Neurocritical Care Unit. *Curr Treat Options Neurol.* June 2022. doi: 10.1007/s11940-022-00723-6

Kasturiarachi BM\*, **Alsbrook DL**\*, Crook J, Shah N. An Immunologic Storm: A Case of Encephalitis and Thrombotic Thrombocytopenic Purpura With Underlying Likely Sjogren’s Syndrome Induced by a COVID-19 Immune Response. *The Neurohospitalist.* March 2022. doi:10.1177/19418744221079447

\*Indicates joint first-authorship, and an equal contribution to the publication

Saeed O, Kasturiarachi B, Gachechiladze L, **Alsbrook D**, Singh S, Zaid G, Eswaradass P, Elangovan C, Malkoff M, Arthur A, Krishnaiah B, Alexandrov AV. *The Effects of Hyperglycemia in Diabetic and Non-Diabetic Patients On Collateral Circulation With Large Vessel Occlusions Undergoing Mechanical Thrombectomy: A Single Center Experience* [abstract]. Accepted to: American Academy of Neurology (AAN) 2022 Annual Meeting.

Kasturiarachi BM, Krishnan R, **Alsbrook DL**, et al. Evaluation of the Safety of Rapid Administration of Undiluted High-Dose Intravenous Levetiracetam. *The Neurohospitalist*. January 2022. doi:10.1177/19418744211067908

**Alsbrook D**, Singh S, Krishnan R. Stroke Snapshot: Acute Ischemic Stroke. *Practical Neurology*. November 7, 2021; November/December 2021: 26-29.

<https://practicalneurology.com/articles/2021-nov-dec/stroke-snapshot-acute-ischemic-stroke?c4src=home:feed>

Nogueira RG, Qureshi MM, Abdalkader M...**Alsbrook D**...et al. Global Impact of COVID-19 on Stroke Care and IV Thrombolysis. *Neurology*. 2021;96(23):e2824-e2838. doi:10.1212/WNL.0000000000011885

Kasturiarachi B, Krishnan R, **Alsbrook D**, Hudson B, Kelly H, Moran C, Alsherbini K, Jones GM. Evaluation of the Safety of Rapid Administration of Undiluted High-Dose Intravenous Levetiracetam [abstract]. Accepted to: Neurocritical Care Society (NCS) 19<sup>th</sup> Annual Meeting; 2021 Oct 26-29; Chicago, IL.

Goyal N, Tsivgoulis G, Pandhi A, Ishfaq M, Goyanes J, Deep A, **Alsbrook D**, Singh S, Zaid G, Hoit D, Nickele C, Inoa V, Dornbos D, Alexandrov AV, Arthur A, Elijevich L. Predictors of Decompressive Hemicraniectomy in Successfully Recanalized Patients with Anterior Circulation Emergency Large Vessel Occlusion [abstract]. Accepted to: Society of NeuroInterventional Surgery 17<sup>th</sup> Annual Meeting; 2020 Aug 4-7; San Diego, CA. Abstract E-107.

**Published abstract:** *Journal of Neurointerventional Surgery*. 2020;12(Suppl 1):A87-A88. doi:10.1136/neurintsurg-2020-SNIS.140

Singh S, Pandhi A, Saeed O, Ishfaq M, Deep A, **Alsbrook D**, Gachechiladze L, Goyal N, Alexandrov A. Outcomes of Intravenous Thrombolysis (IVT) for In-Hospital Stroke [abstract]. Accepted to: Joint European Stroke Organisation and World Stroke Organization Conference; 2020 Nov 7-9; Vienna, Austria. Abstract 4056.

Published abstract: *International Journal of Stroke*: <https://journals.sagepub.com/doi/pdf/10.1177/1747493020963387>.

Goyal N, Tsivgoulis G, Pandhi A, Dillard K, **Alsbrook D**, Chang J, Krishnaiah B, Nickele C, Hoit D, Alsherbini K, Alexandrov A, Arthur A, Elijevich L. Blood pressure levels post mechanical thrombectomy and outcomes in non-recanalized large vessel occlusion patients. *J Neurointerv Surg*. 2018;10(10):925-931. doi:10.1136/neurintsurg-2017-013581

Goyal N, Tsivgoulis G, Chang J, Malhotra K, Pandhi A, Ishfaq M, **Alsbrook D**, Arthur A, Elijevich L, Alexandrov A. Admission Neutrophil-to-Lymphocyte Ratio as a Prognostic Biomarker of Outcomes in Large Vessel Occlusion Strokes. *Stroke*. 2018;49(8):1985-1987. doi:10.1161/STROKEAHA.118.021477

Goyal N, Tsivgoulis G, Pandhi A, Dillard K, **Alsbrook D**, Chang J, Krishnaiah B, Nickele C, Hoit D, Alsherbini K, Alexandrov A, Arthur A, Elijevich L. (2018). *Blood pressure levels post mechanical thrombectomy and outcomes in non-recanalized large vessel occlusion patients*. Poster presented at: UTHSC Student Research Day; January 2018; Memphis, TN.

Wahba M, **Alsbrook D**, McCormack M, Tamula G, Sherif H. Adult Acute Disseminated Encephalomyelitis Associated with a Falsely Positive HIV Elisa Test. *Journal of Neuroinfectious Diseases*. 2017;8:242.

Hendrick LE, Schroepfel TJ, Sharpe JP, **Alsbrook D**, Magnotti LJ, Weinberg JA, Johnson BP, Lewis RH, Clement LP, Croce MA, Fabian TC. Impact of Beta-Blockers on Nonhead Injured Trauma Patients. *The American Surgeon*. 2016;82(7):575-9.

#### MANUSCRIPTS AND ABSTRACTS (OTHER THAN PUBLISHED)

**Alsbrook DL**, Di Napoli M, Bhatia K et al. The Role of Neuroinflammation in Acute Ischemic Stroke and Intracerebral Hemorrhage. Manuscript **Prepared for Submission**.

Hinduja A, Di Napoli M, Bhatia K...**Alsbrook DL**...Divani AA. *Hypertension and Stroke: An Update*. Manuscript **Submitted**.

Goyal N, Alsbrook DL, Cornejo M et al. *Post thrombectomy Cerebral Blood Flow (CBF) Study Using Flat Panel Cone Beam Computed Tomography: A New Approach to Understand Interaction Between Recanalization, Reperfusion and Post MT BP Levels: Study Concept and Design*. Abstract **Prepared for Submission**.

Nobleza H, Morris R, Goswami S, **Alsbrook D**. *Pathophysiology of the Neurocritically Ill Patient - Practical Concepts, Clinical Cases and Decision-Making Algorithms. Book Chapter: Neurocritical Complications in Pregnancy and Puerperium*. Book Chapter **Submitted**.

Saeed O, Kasturiarachi B, Gachechiladze L, **Alsbrook D**, Singh S, Zaid G, Eswaradass P, Elangovan C, Malkoff M, Arthur A, Krishnaiah B, Alexandrov AV. *The Effects of Hyperglycemia in Diabetic and Non-Diabetic Patients On Collateral Circulation With Large Vessel Occlusions Undergoing Mechanical Thrombectomy: A Single Center Experience*. Manuscript **Submitted**.

## CONFERENCES, COURSES AND SPECIAL LECTURES ATTENDED

- International Stroke Conference, Dallas, TX – February 2023
- Neurocritical Care Society 20<sup>th</sup> Annual Meeting, San Antonio, TX – October 2022
- Tennessee Medical Association John Ingram Institute for Physician Leadership: Physician Leadership Lab, with full scholarship from the Memphis Medical Society – January-July 2022
- NCS Pharmacotherapy of Neurocritical Care Series (PONS) – online
- NCS Ethics Curriculum for Neurocritical Care Fellowships – online
- American Academy of Neurology 2022 Annual Meeting: chosen as 1 of 10 residents for the Enhanced Resident Leadership Program (ERLP) – April 2022
- THALES and New DAPT Management with Brilinta in Stroke and TIA (Dr. Andrei Alexandrov) – January 2022
- The American Society of Neuroimaging Annual Meeting 2022 – January 2022
- NCS MISTIE III Webinar – online
- NCS Trainee Webinar Series: Law and Malpractice – online
- Neurocritical Care Society 19<sup>th</sup> Annual Meeting, Chicago, IL; Attended the following workshops: Applied Neuromonitoring, Advanced Hemodynamics, Critical Care EEG Basic and Advanced, Professionalism and Leadership, Critical Care Ultrasound, Airway – October 2021
- Common Ground International Medical Spanish Masterclass – September 2021
- Vagal Nerve Stimulator Therapy for Refractory Epilepsy – August 2021
- Cleviprex in Acute Ischemic Stroke – August 2021
- Updates on Thrombolysis in Acute Stroke (Dr. Anne Alexandrov) – July 2021
- Mayo Clinic 7th Annual Neuro and Intensive Care: Review, Workshops and Controversies – May 2021
- Soliris in Generalized Myasthenia Gravis (Dr. Tulio Bertorini) – April 2021
- American Headache Society REACH (Dr. Andrew Charles, UCLA) – February 2020
- ALS Treatment Updates (Dr. Tulio Bertorini) – November 2019
- Neuromyelitis Optica Spectrum Disorders: Diagnosis and Consequences – November 2019
- Cleviprex vs Cardene: Blood Pressure Management in Acute Stroke – July 2019
- Epidiolex: New Advances in Treatment of Dravet and LGS – January 2019
- Pimavanserin for Parkinson's Psychosis – September 2018
- Serving the Underserved Course (Church Health Center, Memphis, TN) - April 2015

## HONORS AND AWARDS

- |   |                      |
|---|----------------------|
| • <b>Alpha Omega Alpha (AOA)</b> Honor Medical Society (Tennessee Beta Chapter) | <i>December 2021</i> |
| • AAN Enhanced Resident Leadership Program (ERLP)                               | <i>December 2021</i> |
| • Scholarship to John Ingram Institute for Physician Leadership 2022            | <i>November 2021</i> |
| • Outstanding Student in Neurology Clerkship                                    | <i>May 2018</i>      |
| • Imhotep Society Inductee (UTHSC)  | <i>May 2016</i>      |

- Honors Diploma (UA-Huntsville) *May 2012*
- Graduated cum laude (UA-Huntsville) *May 2012*
- Alpha Epsilon Delta, Pre-Professional Honor Society (UA-Huntsville) *April 2012*
- Sigma Gamma Tau (Aerospace Engineering Honor Society) (UA-Huntsville) *February 2011*
- Silver Scholar Athlete Award (UA-Huntsville) *March 2009, March 2010*
- National Society of Leadership and Success (UA-Huntsville) *November 2009*
- Alpha Lambda Delta (Collegiate First Year Honor Society) (UA-Huntsville) *May 2009*

## CERTIFICATIONS

- Emergency Neurological Life Support (ENLS) Train the Trainer – Neurocritical Care Society
- Emergency Neurological Life Support (ENLS) – Neurocritical Care Society
- NIH Stroke Scale (NIHSS)
- Modified Rankin Scale (mRS)
- Advanced Cardiac Life Support (ACLS) – American Heart Association
- Basic Life Support (BLS) – American Heart Association
- Community Emergency Response Team (CERT) – FEMA
- Advanced Disaster Life Support (ADLS) – National Disaster Life Support Foundation
- Basic Disaster Life Support (BDLS) – National Disaster Life Support Foundation
- Level 1 Certified for High-Powered Rocketry – National Association of Rocketry
- Basic SCUBA Certified – NAUI

## PROFESSIONAL SOCIETY MEMBERSHIPS

American Academy of Neurology	American Medical Association
Neurocritical Care Society	Tennessee Medical Association
American Heart Association	Memphis Medical Society
American Epilepsy Society	National Health Care for the Homeless Council
American Neurological Association	American Medical Women's Association

## STATE MEDICAL LICENSES

Tennessee	Maryland
Texas	New Hampshire
North Carolina	South Carolina
Florida	Georgia
Kentucky	

## HOBBIES AND INTERESTS

Cooking/Baking	Travel, learning about languages/cultures
SCUBA diving	Art (charcoal and acrylic)
Creative writing (movie scripts, poetry)	Music (piano, clarinet, guitar)
Health policy and advocacy	Sports (baseball, hockey, football)