



# Cortexion

Expertise Across Brain Matters

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## Tobias B. Kulik MD, FAAN, CPPS

Board-Certified Neurologist · Vascular Neurology · Neurocritical Care

100 Sun Ave NE, Ste. 650, Albuquerque, NM 87109 | (650) 203-6000 | expert@cortexion.co

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### PROFESSIONAL SUMMARY

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- Board-certified neurologist with dual subspecialty certification in vascular neurology and neurocritical care, with extensive experience managing complex neurological conditions across the care spectrum. Skilled in diagnosing, acute treatment, and long-term management of ischemic and hemorrhagic stroke, with additional focus on stroke systems of care, outcomes-based interventions, and adherence to standards of care in high-risk cases.
- Specialized in the assessment and management of traumatic brain injury (TBI) and concussion, with advanced training in post-concussive symptom management, neurocognitive rehabilitation, and return-to-activity protocols. Certified ImpACT Consultant (CIC) with clinical experience using standardized concussion tools such as SCAT and SCOAT in both acute and post-acute settings. Frequently involved in the medico-legal evaluation of brain injury, including cases with persistent post-concussive symptoms, athletic head trauma, and neurocognitive impairment.
- Experienced in the diagnosis and management of hypoxic-ischemic brain injury (HIBI), including post-cardiac arrest neuroprognostication, and multimodal outcome assessment. Clinical and medico-legal expertise in evaluating causation, timing, and severity of hypoxic-ischemic injury across acute and post-acute settings.
- Clinical expertise in neuroimmunology disorders, including Guillain-Barré syndrome (GBS), its variants, and other acute immune-mediated neuropathies and CNS conditions. Trained in the recognition, acute management, and long-term prognostication of these conditions through fellowship-level neurocritical care and inpatient neurology experience.
- Causation Expertise: Trained in the AMA Guides to the Evaluation of Permanent Impairment (5th & 6th Edition), with ability to provide objective opinions on causation, impairment ratings, and apportionment in neurological injury. Offers dual expertise in both standard of care and causation analysis to support attorneys and courts in complex medico-legal matters.

- Fellow of the American Academy of Neurology (FAAN) and an active member of its Sports Neurology and Concussion Section, the International Society for Cognitive Rehabilitation (ISCR), and the Brain Injury Association of Missouri.
- Former Quality and Safety Officer at a leading academic institution with a proven record of systems improvement, patient safety leadership, and complex case advisement. Certified Professional in Patient Safety (CPPS), with advanced training through the Intermountain Healthcare Quality Program. Committed to high-reliability, evidence-based care, and providing expert-level consulting in both clinical and legal settings.

## **CLINICAL EXPERIENCE**

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### **Saint Luke's Hospital, Marion-Bloch Neuroscience Institute & University of Missouri, Kansas City, MO**

#### ***Staff Neurologist & Associate Professor***

*March 2024 to Present*

- Neurohospitalist in a Comprehensive Stroke and Level 1 Trauma Center, treating patients throughout the care continuum from the emergency department to the neurocritical care unit and intermediate care unit until discharge.
- Consultative services in the Cancer Center, Cardio-thoracic, Medical and Surgical ICUs, and Medicine services.
- Leading a multi-disciplinary team of physicians, residents, and medical students; collaborating with and supervising the Advanced Practice Provider team.
- Resident and student teaching, onboarding and training of new staff.

### **Access Telecare (DBA Specialists on Call) - Nationally, Remote Independent Contractor, Tele-Neurologist (Part-time)**

*July 2023 to October 2025*

- Provided routine and emergent neurological evaluations using two-way audio-visual telemedicine.
- Consulted on patients in New Mexico, Arizona, Nevada, California, and Montana.

### **University of New Mexico — Albuquerque, NM Associate Professor, Department of Neurology**

*July 2017 to March 2024*

- Neurointensivist (50%), Stroke Neurologist (30%), and Neurohospitalist (20%).
- Performed teleneurology evaluations in 21 primary access and rural hospitals within New Mexico.
- Led a multi-disciplinary resident and Advanced Practice Provider team.
- Resident and student teaching responsibilities.

- Provided expert opinions and detailed case analyses for complex neurological malpractice claims and standard of care reviews.
- Collaborated with legal teams to support medico-legal investigations, ensuring evidence-based recommendations.

## POSTGRADUATE TRAINING

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**Neurocritical Care Fellow** - Washington University / BJH / SLCH Consortium, Saint Louis, MO  
*July 2015 – June 2017*

**Vascular Neurology Fellow** - Washington University / BJH / SLCH Consortium, Saint Louis, MO  
*July 2014 – June 2015*

**Chief Resident (PGY-4), Neurology** - University of Rochester, Rochester, NY  
*June 2013 – June 2014*

**Neurology Resident (PGY 2–3)** - University of Rochester, Rochester, NY  
*June 2011 – June 2013*

**Medical Intern (PGY-1)** - University of Rochester, Rochester, NY  
*June 2010 – June 2011*

**Associate Scientist, Cerebral Blood Flow Lab**, Mount Sinai Hospital, Dept. of Neurosurgery, New York, NY  
*September 2005 – June 2010*

## EDUCATION

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**Ludwig-Maximilians University - Munich, Germany**  
*Clinical Medical Curriculum · May 2000 – September 2005*

**Max-Planck Institute for Psychiatry - Munich, Germany**  
*Research in Neuropharmacology · March 2001 – June 2005*

**Johannes-Gutenberg University - Mainz, Germany**  
*Pre-clinical Medical Curriculum · March 1998 – March 2000*

## BOARD CERTIFICATIONS

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Diplomate in Neurocritical Care, American Board of Psychiatry and Neurology  
*2022 – present*

Diplomate in Neurocritical Care, United Council for Neurological Subspecialties  
*2017 – present*

Diplomate in Vascular Neurology, American Board of Psychiatry and Neurology  
*2016 – present*

Diplomate in Neurology, American Board of Psychiatry and Neurology  
2014 – present

## **MEDICAL LICENSURE**

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Licensure details available upon request.

## **PROFESSIONAL CERTIFICATIONS**

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- ABIME Certified Independent Medical Examiner, November 2025
- Certified Professional in Patient Safety (CPPS), Institute for Healthcare Improvement, Current
- Certified Professional, AHA Telehealth Stroke, Current
- NIH Stroke Scale Certification, Current
- Modified Rankin Scale Certification, Current
- Advanced Cardiac Life Support (ACLS), Current
- Basic Life Support (BLS), Current
- Emergency Neurological Life Support (ENLS), Current
- Brain Death Certification, Neurocritical Care Society, Does not expire
- Certified IMPACT Consultant, Current

## **PROFESSIONAL MEMBERSHIPS**

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- Fellow of the American Academy of Neurology (FAAN)
- American Board of Independent Medical Examiners (ABIME)
- American Heart Association
- Institute for Healthcare Improvement
- Neurocritical Care Society
- Society of Critical Care Medicine
- The Association of Physician Leaders
- American College of Legal Medicine
- AAN Sports Neurology and Concussion Section
- Brain Injury Association of Missouri (BIA-MO)

- International Society for Cognitive Rehabilitation (ISCR)
- International Brain Injury Association (IBIA)

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## **PROCEDURES**

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Proficient in advanced neurological procedures, including lumbar puncture, neuroimaging interpretation (CT, MRI, and angiography), hyperacute stroke treatment (IV thrombolysis, thrombectomy oversight), intracranial pressure monitoring, and advanced neurocritical care interventions such as external ventricular drain placement and management. Experienced in utilizing cutting-edge diagnostic tools for accurate case assessments and analyses.

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## **ACADEMIC SERVICES & COMMITTEES**

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### **Hospital Administrative Positions**

- Medical Director, Neuroscience ICU, University of New Mexico — Dec 2020 to Mar 2024
- Associate Medical Director, Neuroscience ICU, University of New Mexico — Jul 2018 to Dec 2020
- Director of Quality, Stroke Center, University of New Mexico — Mar 2019 to Mar 2024

### **Departmental Administrative Positions**

- Section Chief — Stroke, Inpatient Neurology, Neurocritical Care, UNM — Mar 2020 to Mar 2024
- Vice Chair for Hospital Affairs and Quality, Dept. of Neurology, UNM — Dec 2019 to Mar 2024
- Quality and Safety Officer, Dept. of Neurology, UNM — Jul 2018 to Mar 2024

### **Educational Positions**

- Program Director, Vascular Neurology Fellowship, UNM — Jun 2018 to Mar 2024
- Program Director, Pre-Residency Fellowship, UNM — Dec 2018 to Jun 2024

### **Committee Memberships**

- Neuroscience Evidence-Based Treatment Committee, Saint Luke's — Oct 2024 to current
- Brain Death Committee, Saint Luke's — Mar 2024 to current
- Pharmacy and Therapeutics Committee, Saint Luke's — Jul 2024 to current
- Executive Quality Oversight Committee, UNM — Jun 2022 to Mar 2024
- Quality Oversight Committee, UNM — Jun 2021 to Mar 2024
- Hospital-wide Mortality Review Committee, UNM — Jul 2019 to Mar 2024
- Neurology Clinical Competency Committee, UNM — Jul 2019 to Mar 2024
- Neurology Program Evaluation Committee, UNM — Jul 2018 to Mar 2024

- Stroke Leadership Committee, UNM — Jul 2017 to Mar 2024
- AAN Concussion Section — Jul 2025 to current

## AWARDS & HONORS

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- Board Member, Kansas City Neuroscience Society
- Resident Faculty Teaching Award, University of Missouri–Kansas City — 2025
- Top Doc, Albuquerque The Magazine — 2023, 2022, 2020
- Teaching Award, University of New Mexico — 2023, 2022, 2021, 2020, 2019
- Professionalism Award, Department of Neurology, University of New Mexico — 2022
- Various societal travel awards to attend annual conferences

## PUBLICATIONS

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Bhatti MQ, Chapman R, Kulik T, Di Napoli M, Bhatia K, Elkind MSV, Selim M, McCullough LD, Cáceres E, Flaherty JD, Zoghi M, Al Qassab O, Divani AA. "On Neurocardiology Updates: an Interdisciplinary Field at the Intersection of Neurology and Cardiology." *Curr Neurol Neurosci Rep* 25:59, 2025. DOI: 10.1007/s11910-025-01447-1. PMID: 40810888.

Greer DM, Helbok R, Badjatia N, Ko SB, McKenna Guanci M, Sheth KN, Kulik T. "Fever Prevention in Patients With Acute Vascular Brain Injury: The INTREPID Randomized Clinical Trial." *JAMA* 332(1): 50–58, 2024. DOI: 10.1001/jama.2024.14745. PMID: 39320879.

Abou-El-Hassan H, Azhar Y, Ikram A, Kulik T, Hussain MS. "A Large Lambli's Excrescence Causing Embolic Stroke in a Young Patient: A Case Report and Review of Literature." *Stroke and Vascular Neurology* 8(2): e001234, 2023. DOI: 10.1136/svn-2023-001234. PMID: 38895016.

Grigg-Damberger MM, Hussein O, Kulik T. "Sleep Spindles and K-Complexes Are Favorable Prognostic Biomarkers in Critically Ill Patients." *J Clin Neurophysiol* 39(5): 372–382, 2022. DOI: 10.1097/WNP.0000000000000855. PMID: 35382991.

Andalib S, Lattanzi S, Di Napoli M, Petersen A, Biller J, Kulik T, Macri E, Girotra T, Torbey MT, Divani A. "Blood Pressure Variability: A New Predicting Factor for Clinical Outcomes of Intracerebral Hemorrhage." *J Stroke Cerebrovasc Dis* 29(12): 1035–1040, 2020. DOI: 10.1016/j.jstrokecerebrovasdis.2020.105250. PMID: 32707181.

Kulik TB, Hemphill C. "Intracranial Hemorrhage." In *The Pocket Guide to Neurocritical Care*, 2nd ed., edited by Darsie and Moheet, 88–97. Neurocritical Care Society, 2019.

Allen ML, Kulik T, Keyrouz SG, Dhar R. "Posterior Reversible Encephalopathy Syndrome as a Complication of Induced Hypertension in Subarachnoid Hemorrhage: A Case-Control Study." *Neurosurgery* 82(6): 985–991, 2018. DOI: 10.1093/neuros/nyy075. PMID: 29444491.

Johnston SC, Easton JD, Farrant M, Barsan W, Conwit RA, Elm JJ, Kim AS, Lindblad AS, Palesch YY; POINT Investigators. "Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA." *N Engl J Med* 379(3): 215–225, 2018. DOI: 10.1056/NEJMoa1800410. PMID: 29766767.

Reyes MM, Munigala S, Church EL, Kulik TB, Keyrouz SG, Zipfel GJ, Warren DK. "Comparing External Ventricular Drain-Related Ventriculitis Surveillance Definitions." *Infect Control Hosp Epidemiol* 38(8): 1–6, 2017. DOI: 10.1017/ice.2017.86. PMID: 28485267.

Kulik TB, Keyrouz S. "Intracranial Hemorrhage." In *The Washington Manual of Critical Care*, 3rd ed., edited by Kollef et al. Philadelphia: Lippincott Williams & Wilkins, 2017.

Authored over 8 additional peer-reviewed articles published before 2017 on topics including stroke management, neurocritical care, and neuroscience research.

Additional manuscript currently under peer review.

## SELECTED PRESENTATIONS

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Dhar, Kulik T, et al. "Posterior reversible vasoconstriction syndrome related to hemodynamic augmentation in aSAH." *Neurocritical Care Society Conference*, October 2017.

Yasheng C, Dhar R, Kulik T, et al. "Validation of an Efficient Machine-Learning Approach to Quantify CSF Volume Changes using Multicenter CT Scans." *International Stroke Conference*, February 2016.

Wexler E, Schneider R, Rubin M, Huffer A, Muhlhofer W, Hilmarsson A, Kulik T, et al. "Are informal sign-out rounds beneficial for third year medical students on the neurology clerkship?" *American Academy of Neurology*, Washington DC, April 2015.

Dhar R, Yuan K, Kulik T, et al. "Early CSF Volume Changes Predict Malignant Edema in Large Hemispheric Infarction." *International Stroke Conference*, February 2015.

Yuan K, Dhar R, Kulik T, et al. "CSF Volumetric Analysis Reliably Quantifies Cerebral Edema and Correlates with Clinical Deterioration in Large Hemispheric Infarcts." *International Stroke Conference*, February 2015.

Delivered 7 additional presentations prior to 2015, covering stroke management, resident teaching, and basic neurosciences.

## INVITED TALKS & LECTURES

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- Updates in Stroke — UMKC Residents, Kansas City, MO, August 2025
- Stroke Mimics — Bi-State Stroke Symposium, Lee's Summit, MO, July 2025
- Updates in Stroke for Internists — UMKC, Kansas City, June 2024
- Update in SAH Management — Neurocritical Care Conference, UNM, January 2023
- Intracranial Hemorrhage — 4th Year Medical Students, Myanmar Medical School, December 2022

- Predictors of Extubation Failure in the Neuroscience ICU — Neuroscience Grand Rounds, UNM, October 2022
- Updates on Secondary Stroke Prophylaxis — Stroke Survivor Group, AHA NM Chapter, August 2022
- Project ECHO: Neurologic Prognostication After Cardiac Arrest — Albuquerque, NM, April 2022
- Stroke Mimics — NM Systems of Care Conference, September 2021
- Neuroscience ICU: Welcome to the Team — NCC Fellow Conference, UNM, July 2021
- Update in TBI — Critical Care Fellow Conference, UNM, March 2021
- Update in Acute Stroke Care — Internal Medicine Grand Rounds, UNM, May 2019
- Early and Late Medical Complications of Stroke — UNM, September 2018
- Strategies for the Prevention of Vasospasm after aSAH — Neuroscience Grand Rounds, UNM, August 2018
- The Clinical Brain Death Exam — UNM, July 2018
- Post-Acute Ischemic Stroke Treatment in the Neuroscience ICU — ACCESS Telemedicine Conference, Santa Fe, April 2018
- Hot Topics in Medical Management of Spontaneous ICH — Neuroscience Grand Rounds, UNM, July 2017
- New Developments in Medical Management of Spontaneous ICH — Neurosurgery Grand Rounds, Washington University, November 2016
- Brainstem Auditory Evoked Potentials for Early Detection of Symptomatic Mass Effect with Acute Posterior Fossa Stroke — NCC Research Conference, Houston, May 2016
- What I Learned at the International Stroke Conference — Washington University, March 2015

*Delivered more than 18 additional invited talks prior to 2015 covering neurology, stroke, neurophysiology, and basic neuroscience.*

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Examples of expert witness reports and detailed case analyses are available upon request.