

## **Curriculum Vitae**

Chethan K. Rao, DO, MS

Assistant Professor of Neurology and Pediatrics, Department of Pediatrics  
University of Maryland School of Medicine

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### **Contact Information**

Business Address: Department of Pediatrics, Division of Pediatric Neurology  
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Foreign Languages: Spanish (working knowledge)

### **Education**

2007 - 2011 A.B., Biology and Anthropology, Washington University in St. Louis  
2012 - 2013 M.S., University of North Texas Health Science Center  
2013 - 2017 D.O., University of North Texas Health Science Center

### **Post Graduate Education and Training**

2017 - 2019 Residency, Pediatrics – Preliminary, University of Florida College of Medicine  
2019 - 2022 Residency, Child and Adolescent Neurology, Mayo Clinic Florida and Nemours  
Children’s Health  
2022 - 2023 Fellowship, Pediatric Epilepsy, Stanford Medicine Children’s Health

### **Certifications**

2022 American Board of Psychiatry and Neurology – Neurology with Special  
Qualifications in Child Neurology

### **Medical Licensures**

2017-2024 Active, Florida  
2022-2023 Active, California  
2023-2025 Active, Maryland

### **Employment History**

2009 Research Summer Intern (institutional grant), Department of Neurology,  
Washington University in St. Louis, St. Louis, MO

- 2010 Research Summer Intern (institutional grant), Department of Radiology, The University of Texas Southwestern Medical Center, Dallas, TX
- 2011 Research Intern (paid), Department of Experimental Pediatrics, MD Anderson Cancer Center, Houston TX

### **Professional Society Membership**

- 2013-present General Member, American Medical Association  
2016-present General Member, Child Neurology Society  
2019-2023 General Member, American Academy of Neurology  
2019-present General Member, International Child Neurology Association  
2020-present General Member, American Epilepsy Society  
2022-present General Member, American Clinical Neurophysiology Society

### **Honors And Awards**

- 2016 Medical Student Government Association Political Advocacy Scholarship, University of North Texas Health Science Center, awarded for distinguished involvement in medical political advocacy
- 2017 Sigma Sigma Phi National Osteopathic Medicine Honors Society, University of North Texas Health Science Center, awarded for distinguished academic performance and community service
- 2018 Outstanding Resident Teacher Award, University of Florida-Jacksonville, awarded for excellence in medical teaching
- 2019 Outstanding Resident Teacher Award, University of Florida-Jacksonville, awarded for excellence in medical teaching
- 2021 Futures in Neurology Research Scholarship, American Academy of Neurology, awarded for distinguished performance in clinical research

### **Clinical Activities**

#### **Clinical Expertise**

Board certified neurologist with special qualifications in pediatric neurology  
Additionally, board eligible in pediatric epilepsy  
Clinical and research focuses are in pediatric epilepsy and the implementation of technology to overcome healthcare disparities in pediatric neurology

#### **Administrative Service**

#### **Institutional Service**

- 2013-2015 First-Year Representative and President, University of North Texas Health Science Center Medical-Public Health Initiative

- 2017-2019 Class representative, University of Florida College of Medicine Recruitment Committee
- 2022-2023 Fellow Scholar, Stanford Medicine Leadership Education in Advancing Diversity Advisory Board on Neurology

## **Local and National Service**

### **National Service**

- 2013-2014 Elected Chapter Delegate, *American Medical Association – Medical Student Section*
- 2014-2015 Foundation Ambassador and Subcommittee Chair, *American Medical Association – Medical Student Section*
- 2013-2014 Senior Member Standing Committee on Global and Public Health, *American Medical Association – Medical Student Section*
- 2016 Selected Chapter Representative, *American Osteopathic Association*
- 2021-2022 Research Challenge Judge, *American Medical Association*
- 2021-present *Ad Hoc* Reviewer, *Pediatrics (2x/yr)*, *Neurology Clinical Practice (1x/yr)*, *Neurology (3x/yr)*

### **Local Service**

- 2017-2018 Selected Chapter Representative, *Florida Chapter American Association of Pediatrics*

## **Teaching Service**

### **Resident and Fellow Teaching**

- 2017-2019 Small Group Discussion Leader, Pediatrics Morning Report and Evidence-Based Medicine, 10-20, pediatrics residents – 1 contact hour/2 months
- 2019 – 2022 Small Group Discussion Leader, Pediatric Neurology Journal Club/ Case Conference, 6-8, child and adult neurology residents - 1 contact hour/month
- 2021-2022 Small Group Discussion Leader, Neuroanatomy and Neurophysiology, 3-5, 3<sup>rd</sup> and 4<sup>th</sup> year child neurology residents - 4 contacts hours/month
- 2022-2023 Small Group Discussion Leader, Pediatric Epilepsy Case Conference, 6-10, child and adult neurology residents – 1 contact hour/month

## **Publications**

### **Peer-reviewed journal articles**

1. Rao-Bindal, K, **Rao, CK**, Yu, L, Kleinerman, ES. Expression of c-FLIP in pulmonary metastases in osteosarcoma patients and human xenografts. *Pediatric Blood & Cancer* April 2013; 60(4):575-9 (*performed immunohistochemistry staining, co-wrote initial draft of manuscript*).
2. **Rao, CK**, Tatum, WO, Brinkmann, BH, Sharma, A, Yelvington, KH, Sirven, JI, Rittacio, AL, Feyissa, AM. Effect of post-ictal SPECT injection antiseizure drug therapy on the localization value of SPECT studies and treatment-emergent adverse events: a single center prospective study. *Epilepsy & Behavior* February 2021; 115:107500.
3. **Rao, CK**, Sheth, RD. Lingual Seizures Due to Familial Cerebral Cavernous Malformations. *Pediatric Neurology* May 2021; 118:46-47.
4. McLendon, LA, **Rao, CK**, Da Hora, CC, Islamovic, F, Galan, FN. Post-COVID-19 Acute Disseminated Encephalomyelitis in a 17-Month-old. *Pediatrics* June 2021; 147(6):e2020049678 (*co-wrote initial draft of manuscript, edited for content*).
5. **Rao, CK**, Tatum, WO. Teaching NeuroImage: Pseudo-Figure-of-4 Sign. *Neurology* January 2022; 98(3):e326-e327.
6. Nordli, DR, **Rao, CK**, McLendon, LA, Galan, FN. Clinical Neuroimage: Pediatric Gliomatosis Cerebri. *International Journal of Clinical & Medical Images* June 2022; 9:831 (*co-wrote initial draft of manuscript, edited for content*).
7. Nordli, DR, **Rao, CK**, Delgado-Escueta, AV, Galan, FN. A Novel Mutation in Lafora Disease and Update on Pathophysiology and Future Treatments. *Child Neurology Open* October 2022; 9:1-3 (*co-wrote initial draft of manuscript, edited for content*).
8. **Rao, CK**, McLendon, LA, Galan, FN. Pediatric Anti-NMDA Receptor Encephalitis with Epilepsia Partialis Continua. *Neuroimmunology Reports* October 2022; 2:100146.
9. **Rao, CK**, Kamoroff, S, Zorrilla, J, Galan, FN. Super-refractory Status Epilepticus following Blinatumomab Initiation for B-cell ALL. *Immunotherapy* December 2022; 14(18):1437-1442.
10. **Rao, CK**, Nordli, DR, Sheth, RD. The Effect of Smartphone Video on Lead Time to Diagnosis of Infantile Spasms. *The Journal of Pediatrics* March 2023; S0022-3476(23)00189-0.

### **Published Policy**

1. Liu, Y, Yagi, B, **Rao, CK**, et al. Improving Detection, Awareness, and Prevention of Lead Contamination in Water. Adopted as new American Medication Association – Medical Student Section policy at June 2016 AMA Annual Meeting.

### **Published Multimedia**

1. Medscape Neurology: Neuro Notes. Using Smartphone Video to Diagnose Infantile Spasms Earlier. Interviewed (video) by Andrew Wilner, MD on April 4, 2022.

## Proffered Communications

### National

1. **Rao, C.K.**, Clarke, D., Perkins, Jr., F., Lee, M.R., Wasson, A.L., Seery, L., Perry, M.S., Outcomes of MRI-Guided Thermal Ablation in Non-lesional Intractable Childhood Epilepsy, American Epilepsy Society, Houston, TX, Poster Presentation, 2016
2. **Rao, C.K.**, Rappoport, A.S., Sheth, R.D., Therapeutic Response in Pediatric Absence Epilepsy with Concomitant Focal Interictal Epileptiform Discharges, Child Neurology Society and International Child Neurology Association, Virtual Poster Presentation, 2020
3. **Rao, C.K.**, Sheth, R.D., Lingual Seizures from Familial Cerebral Cavernous Malformations in a 4-year-old Child, American Academy of Neurology, Virtual Poster Presentation, 2021
4. **Rao, C.K.**, McLendon, L.A., Galan, F.N., Anti-NMDA Receptor Encephalitis with Acute-Onset Epilepsia Partialis Continua, Child Neurology Society, Virtual Poster Presentation, 2021
5. **Rao, C.K.**, Nordli, D.R., Sheth, R.D., The Effect of Smartphone Video on Lead Time to Diagnosis of Epileptic Spasms in Infants, American Epilepsy Society, Chicago, IL, Poster Presentation, 2021
6. **Rao, C.K.**, Nordli, D.R., Galan, F.N., Sheth, R.D., Genetic Testing in Presurgical Workup for Pediatric Drug-Resistant Focal Epilepsy: A Systematic Review, American Epilepsy Society, Nashville, TN, Poster Presentation, 2022
7. **Rao, C.K.**, Hyslop Segeren, A., Gallentine W.B., Genetic Continuous Spike-Wave during Slow Wave Sleep (CSWS), American Clinical Neurophysiology Society, Austin, TX, Poster Presentation, 2023

### Regional

1. **Rao, C.K.**, Perlmutter, J.S., Hemifacial Spasms: Natural History and Clinical Progression, Washington University in St. Louis Undergraduate Research Symposium, St. Louis, MO, Poster Presentation, 2009
2. **Rao, C.K.**, Basinger, A., Perry, M.S., Concomitant Mutations of Sodium Channels *SCN8A* and *SCN2A* Cause Dravet Syndrome Phenotype, UNT Health Science Center, Fort Worth, TX, Poster Presentation, 2015
3. **Rao, C.K.**, Davis, M., et al. Tarrant County Resources for Vision Disabilities, UNT Health Science Center, Fort Worth, TX, Poster Presentation, 2016
4. **Rao, C.K.**, Rubin, D.I., A 43-year-old Man with Progressive Quadriparesis: Myelopathic Presentation During the Pandemic, Florida Society of Neurology, Virtual Platform Presentation, 2020