

SANTOSHI BILLAKOTA M.D.

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NY 11249

Dynamic, Board-Certified Neurologist, Epileptologist, and Clinical Neurophysiologist with extensive experience across inpatient, outpatient, acute stroke, and critical care settings. Specialized expertise in stroke care, epilepsy management, general neurology, and the evaluation of complex and rare neurological conditions. Highly proficient in EEG interpretation, advanced epilepsy therapies, and integrating lifestyle-focused interventions into patient care. Recognized for a strong track record in clinical leadership, academic teaching, research, and clinical trials, with active involvement in community outreach and education. Adept at designing and implementing patient-centered care pathways and managing multifaceted neurological cases across diverse healthcare environments.

Relevant Experience

05/2023 – Present Attending Neurohospitalist, Vituity
Physician Healthcare and Staffing, Emeryville, CA

Expert in treating a variety of non-acute inpatients in rural
hospitals via tele-neurology

Creating medical education for house-staff and APPs

10/2023 – Present Attending Neurologist and
Epileptologist, Wyckoff Hospital Center, Brooklyn, NY

Expert at diagnosing and treating rare neurological disorders

Expert at diagnosing and treating general neurological
disorders including: neuromuscular conditions, migraines,
demyelinating/autoimmune conditions/cerebrovascular
disorders, neurodegenerative and cognitive disorders

Expert in running stroke codes, administering TNK and
managing CVA patients both inpatient and outpatient

6/2023 – Present Attending Neurologist and
Epileptologist, Queens Hospital Center, Queens, NY

Outpatient general neurology cases

Routine EEG interpretation

07/2018 - 04/2023 Attending Physician and Assistant
Professor of Neurology at NYU Langone
Hospital/Comprehensive Epilepsy Center

Attending physician staffing Epilepsy fellow clinic

Attending physician running women in epilepsy clinic

Experience with databases for clinical research

Writing and reviewing protocols

Working as clinical sub-investigator in clinical trials: patient enrollment, drug and safety monitoring and adverse event reporting in both outpatient and inpatient setting at one of the largest epilepsy centers in the Northeast with a 22 bed EMU

Expert at diagnosing and treating adult and pediatric epilepsy patients

Expert in treating a variety of non-acute inpatients in rural hospitals via tele-neurology

Experience treating mood disorders which come with neurological disorders such as MDD, GAD, peri-ictal, ictal and post ictal psychosis.

Current Faculty and Hospital Appointments

10/2023 - Present Attending Neurologist and
Epileptologist, Wyckoff Hospital Center, Brooklyn, NY

6/2023 - Present Attending Neurologist and
Epileptologist, Queens Hospital Center, Queens, NY

05/2023 - Present Attending Neurohospitalist, Vituity
Physician Healthcare and Staffing, Emeryville, CA

*Serving multiple hospital systems
across California as a Neurohospitalist and
TeleNeurohospitalist, including:*

Adventist Health Tulare, Tulare, CA

Adventist Health Hanford, Hanford, CA

Adventist Health Sonora, Sonora, CA

Adventist Health Ukiah Valley, Ukiah, CA

Adventist Health Clear Lake, Clearlake, CA

Adventist Health Selma, Selma, CA

Adventist Health and Rideout, Marysville, CA

Sutter Health Memorial Medical Center, Modesto,
CA

Sutter Davis Hospital, Davis, CA

Previous Appointments and Leadership Positions

06/2019-07/2020: Epilepsy Attending, Bellevue Medical Center, New York, NY

06/2019- 03/2023: Staff Physician, Epilepsy, The Center for Discovery, Harris,
NY

06/2019- 03/2023: Women with Epilepsy Clinic, Comprehensive Epilepsy
Center, New York, NY

06/2019- 03/2023: Fellow's continuity clinic, Comprehensive Epilepsy Center,
New York, NY

06/2019- 03/2023: Staff Physician, Neurology, Columbia University, New York,
NY

Education and Training

Education

8/2008-3/2012: MD Doctor of Medicine, Ross University School of Medicine,
Portsmouth, Dominica

6/2004-6/2008: BS Neuroscience, University of California, Los Angeles, Los
Angeles, California

Postdoctoral Training

07/2017-06/2018: Fellow, Epilepsy, Columbia University Medical Center, New York, NY

07/2016-07/2017: Fellow, Clinical Neurophysiology, Columbia University Medical Center New York, NY

07/2013-06/2016: Resident, Neurology, Duke University Medical Center, Durham, NC

07/2012-07/2013: Intern, Internal Medicine, Duke University Medical Center, Durham, NC

Specialty Certification and Licensure

2021 Board Certified in Clinical Epilepsy (ABPN #1863)

2017 Board Certified in Clinical Neurophysiology (ABPN #2849)

2016 Board Certified in Neurology (ABPN #59961)

Licenses: NY (#284462), CA (#150153), NJ (RMA 25MA12323000), TX (V8833), TN (75368), GA (174), FL (6169- Telehealth)

Other Professional Positions

03/2023 - Present Board Member, Epilepsy Foundation of New Jersey

09/2021 - Present Board Member, Project Purple Butterfly (Non-Profit)

06/2021 - Present Board Member, Angels of Epilepsy (Non-Profit)

Research activity:

IRB Protocols and Certifications

NYU Langone School of Medicine (2018-2023):

i18- 00269_CR3 Continuing Review for Study The Human Epilepsy Project
2

i17-00375_CR5 Continuing Review for Study Epilepsy Surgery Outcomes

i18-00269_CR2 Continuing Review for Study The Human Epilepsy Project 2

i12-02865_CR9 Continuing Review for Study The Human Epilepsy Project

i18-01141_CR2 Continuing Review for Study Critical Care EEG Monitoring
Research Consortium

i19-01030 The Human Epilepsy Project 3

i18-01141 Critical Care EEG Monitoring Research Consortium

i18-00269 The Human Epilepsy Project 2

i17-00375 Epilepsy Surgery Outcomes

i12-02865 The Human Epilepsy Project

i11-02207 Predictive factors of seizure control: Surgical Classification,
Seizure Burden and Surgical Stratification

02/2016-Current CITI Biomedical Research Certified

02/2016-Current CITI Good Clinical Practice Research Certified

Teaching Portfolio and Original Lectures:

2024 Lecturer: Navigating Neurology: An Introduction to Assessment, Cases, and Care, Sharp Chula Vista, San Diego, CA

2020-2023 Lecturer, Fellow's Virtual EEG sessions (5 hrs/year)

"Catamenial Epilepsy" (9/2021)

"Idiopathic Generalized epilepsy" (4/2021)

"EEG cases" (1/2021)

"EEG cases" (9/2020)

"EEG cases" (6/2020)

2020-2023: Lecturer, EEG Basics, EEG Technicians, NYU Kimmel Hospital (1 hr/year)

"EEG variants" (6/2021)

"Epileptiform abnormalities" (8/2019)

2020-2023: Teaching Clinical Attending - Medical Students

EMU rotation (6 hrs/year)

Consults (3 hrs/year)

2020-2023: Teaching Clinical Attending - Residents

EMU rotation (12 hrs/year)

Consults (6 hrs/year)

2020-2023: Teaching Clinical Attending - Fellows

EMU rotation (30 hrs/month)

Consults (20 hrs/month)

"EEG bootcamp: Benign EEG variants" (7/2021)

"EEG bootcamp: EEG variants" (7/2019)

"EEG bootcamp: Epileptiform abnormalities" (7/2018)

Fellow's lecture series: "Focal epilepsy and cases" (8/2021)

Fellow's lecture series: "Focal epilepsy" (8/2020, 8/2021)

2020-2023: Lecturer, FACES Conference (2 hrs/year)

Epilepsy and lifestyle management: (1/2022)

Epilepsy and Dating (9/2021)

Managing Epilepsy Triggers (9/2019)

2018-2019: Lecturer, Neurology Resident Conference, Bellevue

First time seizure work up: 2/2019

2018-2019: Lecturer, Neurology Resident Conference, NYU

First time seizure work up: 2/2019

2016-2018: Lecturer, Clinical Neurophysiology Fellows Lectures, Columbia University (1 hr/year)

2016-2018: Lecturer, Epilepsy Continuous EEG Case Conferences, Columbia University (12 hrs/year)

2017-2018: Lecturer, Journal Club, Columbia University (12 hrs/year)

2017-2018: Lecturer, Book review: "Pre-surgical evaluation of epilepsy by Luders, H" (20 hrs/year)

2017-2018: Lecturer, Book review: "Epilepsy: A Comprehensive Textbook by Engel, P" (20 hrs/year)

Invited Talks

Internal - Comprehensive Epilepsy Center, NY (2018-present)

Journal Club: Improving prediction of SUDEP (9/2021)

Journal Club: Pregnancy complications and epilepsy (7/2020)

ESGS: Surgical scale predicting outcomes (10/2019)

Sponsored by Angels of Epilepsy (Non-Profit)

2021: Lifestyle and Epilepsy (virtual)

Oral and Poster Presentations

2020: Boada, C, Dugan, P, Billakota, French J et al. Multi-center Evaluation of Epilepsy Surgery Prediction Models. AES, Chicago, IL

2019: Billakota, S et al. Epilepsy Surgery Grading Scale and Seizure Recurrence. AES, Baltimore, MD

2018: Billakota, S et al. Comparison of Electrically Stimulated Seizure Auras. AES, New Orleans, LA

2017: Billakota, S, et al. ACGME Program Director EEG Curricula. AES, Washington, DC

2016: Billakota, S, Hobson-Webb, L. Median nerve ultrasound retrospective. AANEM, New Orleans, LA

Bibliography - Publications

Billakota, Santoshi, et al. "Neurologic Manifestations of Systemic Disease: Seizure." *Current Treatment Options in Neurology*, vol. 22, no. 10, Aug. 2020. Crossref, <https://doi.org/10.1007/s11940-020-00638-0>

Abstract: Billakota S., et al. "Multi-Center Evaluation of Epilepsy Surgery Prediction Models: Comparative Performance of the Epilepsy Surgery Nomogram and the Epilepsy Surgery Grading Scale." Abstract presented at the 2025 Annual Meeting of the American Epilepsy Society (AES).

Book chapter: Leppik, Ilo E., Eugen Trinka, and Santoshi Billakota. "Diagnosis and Treatment of Epilepsy in the Older Adult." *Epilepsy: A Comprehensive Textbook*, edited by Jerome Engel and Solomon L. Moshé, 4th ed., Wolters Kluwer, 2024, pp. 1577-1590.

Bank AM, Billakota S, et al. Electrically stimulated auras... *Epilepsy Behav.* 2021.

Billakota S, Andresen JM, et al. Vinpocetine and GABRB3 mutation. *Epilepsia.* 2019.

Billakota S, Devinsky O, et al. Improved epilepsy therapies. *Neuropharmacology.* 2020.

Billakota, S., Devinsky, O., Marsh, E. Cannabinoid therapy. *Curr Opin Neurol.* 2019.

Billakota S, et al. Sleep disordered breathing and SUDEP. *Epilepsy & Behavior*.

Kamitaki BK, Billakota S, et al. Bedside sitter improves safety. *Epilepsy & Behavior*. 2018.

Youngerman BE, Oh JY, Billakota S, et al. Laser ablation in TLE. *Epilepsia*. 2018.

Billakota S, Ruch D, Hobson-Webb L. Median Nerve Conduit Imaging. *J Clin Neurophysiol*. 2018.

Billakota S, Sinha S. Utility of Continuous EEG. *J Clin Neurophysiol*. 2016.

Nandedkar SD, Billakota S, et al. Extrapolated Reference Values. *Muscle Nerve*. 2016.

Dunn-Pirio AM, Billakota S, et al. Postictal MRI Mimic. *Case Reports Oncol*. 2016.

Billakota S, et al. EMG-Guided Biopsies. *Muscle Nerve*. 2014.

Billakota S, Hobson-Webb L. Median nerve ultrasound study. *Clin Neurophysiol Practice*. 2017.

Billakota S, El-Husseini N. Polycythemia vera strokes. *Neurology*. 2014.

Service Roles

07/2018- 3/2023: Member NYU Langone Manhattan Resident Interviews
07/2018- 3/2023: Member NYU Langone Manhattan Resident Neurology Clinical Neurophysiology and Epilepsy Education
07/2018- 3/2023: Member NYU Langone Manhattan Epilepsy Monitoring Unit Committee
07/2018- 3/2023: Member, Epilepsy Consultation Service NYU Langone Manhattan Epilepsy Monitoring Unit
07/2018- 3/2023: Member, Epilepsy Multidisciplinary Conference

Professional Organizations

2018-Current: Member, American Clinical Neurophysiology Society
2018-Current: Member, American Epilepsy Society
2018-Current: Member, American Academy of Neurology
2012-2018: Member, American Medical Association

Social Media & Online Presence

Creating medical education for the general public and non-medical professions on social media; expertise in communicating complex scientific/medical information to diverse audiences.

LinkedIn: <https://www.linkedin.com/in/santoshi-billakota-m-d-176781142/>

TikTok: @DrBillakotamd — 41,000+ followers- Epilepsy advocacy and education

YouTube: [youtube.com/@DrBillakotamd](https://www.youtube.com/@DrBillakotamd) — Educational epilepsy videos, 4,500+ subscribers

Instagram: @DrBillakotamd — 4,500+ followers, epilepsy advocacy and education

Founder: Empowermedlife- a social media platform to empower healthcare providers. Website: www.empowermedlife.com

Interests:

I live in Brooklyn with my husband and enjoy spending my time reading, writing, running, cooking, and exploring new places through travel. I'm passionate about healthcare advocacy and am involved with *Empowermedlife*, a social media platform that uplifts and supports healthcare workers. Through my own social media channels, I actively raise awareness and education around epilepsy, a cause close to my heart. Whether I'm sharing stories, connecting with others, or promoting wellness, I'm driven by a deep commitment to community and empowerment.

Epilepsy Skillset

Skilled in reading and interpreting **EEGs**, including **pediatric, neonatal, ambulatory**, and **ICU monitoring**

Experience with **intracranial EEG** and **ECoG** for advanced epilepsy care

Proficient in conducting **presurgical evaluations** for epilepsy surgery

Familiar with **Ceribell** rapid seizure detection system

Expertise in managing **VNS (Vagus Nerve Stimulation)**, **RNS (Responsive Neurostimulation)**, and **DBS (Deep Brain Stimulation)**

Knowledge of **dietary therapies** and **alternative treatments** for epilepsy

Comfortable managing **complex medication regimens**, including monitoring drug levels and side effects

Deep understanding of **rare epilepsy syndromes**, tracking disease progression and response to treatment

Neurology Skillset

Perform and interpret **EMGs and nerve conduction studies**

Skilled in **evoked potentials (SSEP, VEP)** testing

Read and interpret **sleep studies (polysomnography)**

Perform and interpret **lumbar punctures**

Treat a wide range of neurological conditions, including **migraine, dementia, rare diseases, encephalitis, neuromuscular, and genetic disorders**

Can order and deliver TNK in acute stroke cases

Additional Skills

Proficient in electronic health records: **Epic, Cerner, Allscripts, and eClinicalWorks**

Strong in **Microsoft Office** tools, **Adobe** and **SPSS** for data analysis

Languages

English - Fluent (Native Speaker)

Hindi - Fluent (Native Speaker)

Telugu - Fluent (Native Speaker)