



M. Brandon Westover, MD, PhD

Instructor, Adult Neurology

CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Dr. M. Brandon Westover is a board-certified, fellowship-trained epilepsy specialist, clinical neurophysiologist, and neurologist with Stanford Health Care. He is also a professor in the Department of Neurology and Neurological Sciences at Stanford University School of Medicine and director of the Stanford Epilepsy Center.

Dr. Westover specializes in caring for adults with epilepsy and other neurological conditions. He focuses on developing automated tools that improve the quality and reach of his patients' care. He also treats patients with life-threatening unrelenting seizures (status epilepticus), reduced blood flow to the brain (cerebral ischemia), and reduced oxygen to the brain (anoxic brain injury). In addition, he helps patients experiencing delirium, seizures, and sleep disorders.

Dr. Westover's research develops artificial intelligence technology to protect and improve brain health. His interests include predicting seizures and detecting and forecasting disorders of memory, cognition, and consciousness—such as delirium and coma—in older adults. His work has also used deep learning to estimate the risk of developing epilepsy after a brain injury from brain-wave recordings (electroencephalograms, or EEGs).

Dr. Westover has published his research in leading peer-reviewed journals, including *Neurology*, *JAMA Neurology*, *Annals of Neurology*, *Epilepsia*, the *Journal of the American Medical Informatics Association*, and *Lancet Digital Health*. He has presented his work at international, national, and regional meetings, including the annual meetings of the American Epilepsy Society, the American Clinical Neurophysiology Society, the American Academy of Neurology, and SLEEP.

CLINICAL FOCUS

- Epilepsy
- Clinical Neurophysiology
- Sleep Medicine

ACADEMIC APPOINTMENTS

- Instructor, Adult Neurology

ADMINISTRATIVE APPOINTMENTS

- Vice-Chair, CCEMRC, (2017-2019)
- Permanent Member, ANIE, NIH, (2021-2025)
- Member, Treatment of Recurrent Nonconvulsive Seizures Clinical Trial Investigators Committee, (2011-2014)
- Member, National Institute of Neurological Disorders and Stroke Common Data Elements in Epilepsy Research, (2025- present)
- Member at Large, CCEMRC, (2015-2017)
- Editor, Pocket Neurology, 2nd Edition; Wolters Kluwer, (2016- present)
- Editor, Pocket Neurology, Lippincott Williams & Wilkins, (2010- present)
- Editorial Board Member, Journal of Clinical Neurophysiology, (2019-2024)
- Co-Chair, 8th International Conference on Extreme Learning Machines, Yantai, China, (2017- present)
- Co-Chair, 7th International Conference on Extreme Learning Machines, Singapore, (2016- present)
- Chair, International League Against Epilepsy Big Data & AI Commission, (2025-2029)
- Chair, Critical Care EEG Monitoring Research Consortium (CCEMRC), (2019-2021)
- Ad Hoc Reviewer, SLEEP, (2010- present)
- Ad Hoc Reviewer, Proceedings of the National Academy of Sciences (PNAS), (2010- present)
- Ad Hoc Reviewer, Philosophical Psychiatry, (2006- present)
- Ad Hoc Reviewer, Neurology, (2010- present)
- Ad Hoc Reviewer, Journal of Neuroscience, (2010- present)
- Ad Hoc Reviewer, Journal of Neural Engineering, (2010- present)
- Ad Hoc Reviewer, Journal of Medical Engineering, (2010- present)
- Ad Hoc Reviewer, Journal of Clinical Neurophysiology, (2010- present)
- Ad Hoc Reviewer, Journal of Clinical Epidemiology, (2010- present)
- Ad Hoc Reviewer, Journal of Cerebral Blood Flow & Metabolism, (2010- present)
- Ad Hoc Reviewer, JAMA Neurology (formerly Archives of Neurology), (2010- present)
- Ad Hoc Reviewer, IEEE Transactions on Signal Processing, (2010- present)
- Ad Hoc Reviewer, IEEE Transactions on Information Theory, (2010- present)
- Ad Hoc Reviewer, European Journal of Neurology, (2010- present)
- Ad Hoc Reviewer, Epilepsy Research, (2010- present)
- Ad Hoc Reviewer, Critical Care Medicine, (2010- present)
- Ad Hoc Reviewer, Computers in Biology and Medicine, (2010- present)
- Ad Hoc Reviewer, Brain, (2010- present)
- Ad Hoc Reviewer, BMJ Case Reports, (2010- present)
- Ad Hoc Reviewer, Annals of Clinical and Translational Neurology, (2010- present)
- Ad Hoc Reviewer, American Journal of Respiratory and Critical Care Medicine, (2010- present)
- Ad Hoc Member, Acute Neural Injury and Epilepsy (ANIE), National Institutes of Health (NIH), (2018-2020)

HONORS AND AWARDS

- Rappaport Fellowship, MGH
- MGH-MIT Grand Challenge Winner, Artificial Intelligence Research, Executive Committee on Research at MGH
- Innovation Discovery Grant, Artificial Intelligence Research/Development, Mass General Brigham Innovation Office
- Innovation Discovery Grant, World Medical Innovation Forum
- World Medical Innovation Forum, INFORMS Analytics+Conference
- Disruptive Dozen AI Innovator, World Medical Innovation Forum
- Derek Denny-Brown Young Neurological Scholar Award, American Neurological Association (ANA)
- Best Paper Award, W.M. Keck Statistical Literacy Project
- Best Paper Award, CyberWorlds 2018, Singapore
- Best Paper Award, Association for Computing Machinery Special Interest Group on Knowledge Discovery and Data Mining
- Best Oral Abstract, Translational, American Delirium Society Annual Meeting
- Best Neurology Clinical Research Abstract, Massachusetts General Hospital (MGH) Neurology Department
- #1 Most Disruptive AI Innovator, World Medical Innovation Forum

PROFESSIONAL EDUCATION

- Fellowship: Massachusetts General Hospital Neuroradiology Fellowship (2012) MA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2010)
- Residency: Brigham and Women's and Mass General Hospital Neurology Residency (2010) MA
- Internship: Barnes-Jewish Hospital - GME (2007) MO
- Medical Education: Washington University School Of Medicine (2006) MO

Publications

PUBLICATIONS

- **Electrographic Features of Catatonia With or Without Comorbid Delirium.** *The Journal of neuropsychiatry and clinical neurosciences*
Luccarelli, J., Smith, J. R., Turley, N., Rogers, J. P., Sun, H., Kohrman, S. I., Fricchione, G., Westover, M. B.
2026; 38 (1): 61-67
- **Late-Onset Seizures: Etiology and Demographics in US Tertiary Care Epilepsy Centers** *NEUROLOGY*
Blank, L. J., Johnson, E. L., Pellerin, K. R., Sarkis, R. A., Gaston, T. E., Shafi, M. M., Zepeda, R., Camitan, M., Anderson, T., Hankerson, A., Jan, A., Jung, K., Leake, et al
2026; 106 (11): e214948
- **The Brain Imaging and Neurophysiology Dataset of large-scale multimodal neural data.** *Scientific data*
Maschke, C., Hadar, P. N., Zhang, Y., Li, J., Ganjoo, G., Hoopes, A., Guazzo, A., Gupta, A., Ghanta, M., Nearing, B., Silvers, C. T., Gunapati, B., Thomas, et al
2026
- **Delirium and Increased Risk of Developing Dementia: An Emulated Target Trial Analysis.** *medRxiv : the preprint server for health sciences*
Rathmell, C. S., Sun, H., Ge, W., Magdamo, C., Das, S., Moura, L. M., Zafar, S. F., Akeju, O., Mukherji, S. S., Shaw, K. M., Westover, M. B.
2026
- **Video-based Detection of Delirium in Hospitalized Adults.** *medRxiv : the preprint server for health sciences*
Mendu, M., Tesh, R. A., Pellerin, K., Steward, G. E., Cerda, I. H., Williams, M., Colman, M., Shah, S., Lam, A. D., Cash, S. S., Westover, M. B., Kimchi, E. Y.
2026

- **Better sleep now, better cognition later? Predicting cognitive function using a machine learning-based sleep EEG brain health score** *SLEEP*
Marino, F. R., Ganglberger, W., Sun, H., Liu, Y., Ding, H., Thomas, R. J., Au, R., Westover, M.
2026
- **Facility-measured sleep electroencephalographic microstructures in long COVID** *SLEEP*
Sun, H., Dang, R., Li, P., Xiao, W., Scott-Sutherland, J., Sassower, K. C., Westover, M., Felsenstein, D., Thomas, R. J., Haack, M., Mullington, J. M.
2026
- **IFCN position statement: use of artificial intelligence in clinical neurophysiology.** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*
Husain, A. M., Beniczky, S., Bensalem-Owen, M., Bland, J., Brinkman, B. H., Hanajima, R., Holub, M., Jehi, L., Nandedkar, S., Shahrizaila, N., Tankisi, H., Tannemaat, M. R., Westover, et al
2026: 2111893
- **Connectome disruptions after hypoxic-ischaemic injury associate with consciousness disorder severity.** *Brain communications*
Hilger, S. G., Rosenthal, E. S., Kulpanowski, A. M., Dodelson, J. A., Cudemus-Deseda, G., Villien, M., Edlow, B. L., Januzzi, J. L., Ning, M., Kimberly, W. T., Amorim, E., Westover, M. B., Copen, et al
2026; 8 (2): fcag117
- **EEG in patients with altered mental status in the emergency department.** *International journal of emergency medicine*
Runcie, M., Nolan, N., Yoo, O., Silbergleit, R., Nascimento, F. A., Kennedy, M., Westover, M. B., Goldstein, J. N.
2026; 19 (1)
- **Does Missing Medication Acutely Change Seizure Risk? A Prospective Study.** *Annals of neurology*
Goldenholz, D. M., Cheng, J. C., Chang, C. Y., Moss, R., Westover, M. B.
2026; 99 (4): 1076-1082
- **Electroencephalogram Monitoring in Critical Care: Multicenter Analysis of Timing, Duration, and Readmissions.** *Critical care explorations*
Tăușan, A. M., Sarami, M., Sartipi, S., Turley, N., Gupta, A., Ghanta, M., Fernandes, M. P., Mitra, A., Kim, J., Struck, A. F., Westover, M. B., Zafar, S. F.
2026; 8 (4): e1402
- **Multicenter evaluation of the Waveband System for automated sleep assessment in patients with insomnia symptoms.** *Sleep*
Savietto, S. F., Guillot, A., Harris, M., Pathmanathan, J., Chan, A. M., Westover, M. B., Hill, D., Bertaina-Anglade, V., Viardot, G., Arnal, P., Donoghue, J.
2026
- **Pediatric SleepNet: A Deep Learning Network for Reliable Pediatric Sleep Staging Across Developmental Stages.** *Sleep*
Tripathi, A., Gupta, A., Ganglberger, W., Waters, S., Sun, H., Nasiri, S., Mitra, A., Stone, K. L., Mignot, E., Hwang, D., Reyna, M. A., Trotti, L. M., Clifford, et al
2026
- **Inferring preoperative cognitive function from intraoperative electroencephalography in elderly patients using machine learning.** *IEEE transactions on bio-medical engineering*
Pedemonte, J. C., Sun, H., Freedman, I. G., Turco, I., Wiredu, K., Penna, A., Egana, J. I., Gutierrez, R., Ibacache, M., Cortinez, L. I., Westover, M. B., Akeju, O., Boncompte, et al
2026; PP
- **Inter-Rater Reliability of EEG-Based Encephalopathy Grading** *JOURNAL OF CLINICAL NEUROPHYSIOLOGY*
Tesh, R. A., Zahoor, A., Banks, J., Gallagher, K., Eckhardt, C. A., Sun, H., Karakis, I., Katyal, R., Williams, J., Nayak, C., Herlopian, A., Ng, M. C., Greenblatt, et al
2026; 43 (3): 237-244
- **Brain Health from Sleep EEG: A Multicohort, Deep Learning Biomarker for Cognition, Disease, and Mortality.** *NEJM AI*
Ganglberger, W., Sun, H., Turley, N., Tripathi, A., Hadar, P., Gupta, A., Gallagher, K., Tesh, R., Kim, S., Nasiri, S., Leng, Y., Harrison, S., Stone, et al
2026; 3
- **The Harvard-Emory ECG Database.** *Scientific data*
Koscova, Z., Li, Q., Robichaux, C., Junior, V. M., Ghanta, M., Gupta, A., Rosand, J., Aguirre, A. D., Reinertsen, E., Song, S., Hong, S., Albert, D. E., Xue, et al

2026; 13 (1)

- **An Electroencephalographic Study of Sleep Spindle and Infralow Oscillation in Children With Autism Spectrum Disorder** *JOURNAL OF SLEEP RESEARCH*
Liu, K., Sun, B., Wang, B. K., Chen, J., Westover, M., Tian, F., Sun, H., Kong, X.
2026: e70309
- **Health-oriented sleep states: making sleep states reflect health conditions.** *Sleep*
Sun, H., Ganglberger, W., Nasiri, S., Nassi, T. E., Meulenbrugge, E. J., Lam, A. D., Zafar, S., Gupta, A., Ghanta, M., Moura Junior, V. F., Shin, C., Au, R., Cash, et al
2026; 49 (2)
- **Unraveling sleep apnea dynamics: quantifying loop gain using dynamical modeling of ventilatory control.** *Sleep*
Nassi, T., Amidi, Y., Oppersma, E., Donker, D. W., Redeker, N. S., Westover, M. B., Thomas, R. J.
2026; 49 (2)
- **Strategies for Safer Cefepime Use to Prevent Neurotoxicity Using the Electronic Health Record.** *Critical care explorations*
Zafar, S. F., Park, H., Letourneau, A. R., Rock, A. E., Westover, M. B., Mukerji, S. S.
2026; 8 (2): e1380
- **The indispensable human factor in EEG-based artificial intelligence** *EPILEPSIA*
Nascimento, F. A., Westover, M.
2026; 67 (3): 1517-1518
- **Noise in the diagnosis of epilepsy by experts** *EPILEPTIC DISORDERS*
Nascimento, F. A., McLaren, J. R., Zhao, W., Katyal, R., Sheikh, I. S., Kong, W., Aljaafari, D., Barot, N., Benbadis, S., Friedman, D., Gavvala, J. R., Halford, J., Hogan, et al
2026; 28 (2): 457-469
- **A multimodal sleep foundation model for disease prediction.** *Nature medicine*
Thapa, R., Kjaer, M. R., He, B., Covert, I., Moore Iv, H., Hanif, U., Ganjoo, G., Westover, M. B., Jennum, P., Brink-Kjaer, A., Mignot, E., Zou, J.
2026
- **The Predictive Power of Intraoperative EEG and Clinical Characteristics for Postoperative Delirium Following Cardiac Surgery.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Wiredu, K., Sun, H., Boncompagni, G., Westover, M. B., Pedemonte, J. C., Akeju, O.
2026; 43 (1): 32-38
- **Association of Time to Continuous EEG Initiation With Outcomes in Critically Ill Patients.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Haider, M. A., Khalil, M. H., Fernandes, M. B., Westover, M. B., Zafar, S. F.
2026; 43 (1): 17-22
- **A Quantitative Electroencephalographic Index for Stroke Detection in Adults.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Caffarelli, M., Simmons, R., Tolokh, I., Karukonda, V., Guterman, E. L., Smith, W., Fox, C. K., Westover, M. B., Amorim, E.
2026; 43 (1): 23-31
- **Large-scale automated phenotyping of cardiac arrest and withdrawal of life-sustaining therapy using electronic health record data.** *Resuscitation*
Clive, C., Singh, A., Overmeer, B., Boris, S., Peterson, L., Searle, J., Hooke, G., Turley, N., Fernandes, M., Gupta, A., Ghanta, M., Junior, V. M., Mukerji, et al
2026; 218: 110919
- **Deployable seizure forecasting requires clinically meaningful performance: Response to Stirling et al.** *EPILEPSIA*
Chang, C., Moss, R., Westover, M., Goldenholz, D. M.
2026; 67 (4): 1587-1588
- **Is it possible to vaccinate AI against bias? An exploratory study in epilepsy.** *medRxiv : the preprint server for health sciences*
Bhansali, R. M., Westover, M. B., Goldenholz, D. M.
2025

- **Automated estimation of frequency and spatial extent of periodic and rhythmic epileptiform activity from continuous electroencephalography data.** *Journal of neural engineering*
Tăuțan, A. M., Jing, J., Basovic, L., Hadar, P. N., Sartipi, S., Fernandes, M. P., Kim, J., Struck, A. F., Westover, M. B., Zafar, S. F.
2025; 22 (6)
- **The EEG Talk experience: Lessons in e-teaching EEG.** *Epileptic disorders : international epilepsy journal with videotape*
Nascimento, F. A., Yuan, D., Sheikh, I. S., Hirsch, L. J., Beniczky, S., Westover, M. B.
2025; 27 (6): 1337-1339
- **Conventional clinical characteristics do not predict the result of genetic testing in adults with epilepsy.** *Seizure*
Zhao, W., Ting, Y. L., Marcinski Nascimento, K. J., Poll, S. R., Pineda Alvarez, D. E., Westover, M. B., Nascimento, F. A.
2025; 133: 157-160
- **Late-onset unexplained epilepsy as a risk factor for cognitive impairment and dementia: Protocol for a multi-center prospective longitudinal observational study (ELUCID)** *EPILEPSIA OPEN*
Lam, A. D., Johnson, E. L., Sarkis, R. A., Blank, L. J., Gaston, T. E., Shafi, M. M., Zepeda, R., Pellerin, K. R., Jette, N., Greve, D. N., Chibnik, L. B., Amariglio, R. E., Marshall, et al
2026; 11 (1): 363-375
- **Predicting Post-Traumatic Epilepsy with Automated Contusion Measurements using Acute CT Images: A Competing Risk Approach.** *medRxiv : the preprint server for health sciences*
Ayvaz, B. B., Wheelock, J. R., Jin, D. S., Appleton, J., Snider, S. B., Torres-Lopez, V., Shrishail, N., Sanders, W., Doherty, D., Chow, K. T., Kim, J., Schlecter, M., Hirsch, et al
2025
- **From Clinical Narrative to Diagnosis: Scalable Identification of Acquired Epilepsy.** *medRxiv : the preprint server for health sciences*
Wheelock, J. R., Fernandes, M. B., Chen, Y., Ayvaz, B. B., Jin, D. S., Zubair, A., Wan, M., Appleton, J., Zafar, S. F., Struck, A. F., Hirsch, L. J., Sivaraju, A., Gilmore, et al
2025
- **Electroencephalography in Clinical Practice: Neurology Professionals' Views on Optimal Standards of Care.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Nascimento, F. A., Kataly, R., Kass, N. R., Yuan, D., Sirven, J. I., Westover, M. B., Beniczky, S.
2025; 42 (7): 639-642
- **Prediction of postoperative delirium in older adults from preoperative cognition and occipital alpha power from resting-state electroencephalogram.** *Age and ageing*
Ning, M. H., Rodionov, A., Ross, J. M., Ozdemir, R. A., Burch, M., Lian, S. J., Alsop, D., Cavallari, M., Dickerson, B., Fong, T., Jones, R. N., Libermann, T., Marcantonio, et al
2025; 54 (11)
- **Claims-Based Machine Learning Classifier of Modified Rankin Scale in Acute Ischemic Stroke** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
Habib, M., de Medeiros, R., Ahsan, S., Wojciechowski, A., Donahue, M. A., Blacker, D., Newhouse, J. P., Schwamm, L. H., Westover, M., Moura, L. R.
2025; 14 (20): e041635
- **Rigorous evaluation of five models for e-diary-only seizure forecasting: Retrospective and prospective datasets do not outperform the Napkin method** *EPILEPSIA*
Chang, C., Moss, R., Westover, M., Goldenholz, D. M.
2026; 67 (2): 753-761
- **The Brain Imaging and Neurophysiology Database: BINDing multimodal neural data into a large-scale repository.** *medRxiv : the preprint server for health sciences*
Maschke, C., Hadar, P., Zhang, Y., Li, J., Ganjoo, G., Hoopes, A., Guazzo, A., Gupta, A., Ghanta, M., Nearing, B., Silvers, C. T., Gunapati, B., Thomas, et al
2025
- **Decreasing the Epilepsy Treatment Gap in Tena, Ecuador: A Report From 2021 to 2023.** *Cureus*
Bayas, G., Bayas, G., Bayas, A., Bayas Cardenas, E. O., Franco, N., Sigcha, C. M., Shapiro, K., Moskowitz, S., Espinosa, P. S., Dey, R. K., Camia, C. S., Coates, S., Stow, et al

2025; 17 (10): e94581

- **General AI May Revolutionize Neurology-Or It Might Be Bad.** *JAMA neurology*
Westover, M. B., Westover, A. M.
2025; 82 (10): 977-978
- **Dual-outcome Prediction of Post-Ischemic Stroke Epilepsy and Mortality Using Multimodal Quantitative Biomarkers.** *medRxiv : the preprint server for health sciences*
Chen, Y., Soto, A. L., Sudhakar, T. D., Zubair, A., Sun, H., Jing, J., Ge, W., Loman, L., Sivaraju, A., Petersen, N., Hirsch, L. J., Blumenfeld, H., Zafar, et al
2025
- **Dementia Risk and Machine Learning-Derived Brain Age Index from Sleep Electroencephalography: A Pooled Cohort Analysis of Over 7,000 Individuals Across Five Community Cohorts.** *medRxiv : the preprint server for health sciences*
Sun, H., Milton, S., Fang, Y., Taha, H. B., Shiju, S., Thomas, R. J., Ganglberger, W., Pase, M. P., Hughes, T., Purcell, S., Redline, S., Stone, K. L., Yaffe, et al
2025
- **The Boston Children's Hospital Sleep Corpus: A Collection of 15,695 Annotated Pediatric Polysomnograms.** *Sleep*
Tripathi, A., Ganglberger, W., Sun, H., Alcott, C., Turley, N., Fitzgerald, R., Mitra, A., Waters, S., Gupta, A., Gupta, A., Ghanta, M., Junior, V. M., Nasiri, et al
2025
- **Automated extraction of post-stroke functional outcomes from unstructured electronic health records.** *European stroke journal*
Fernandes, M., Gallagher, K., Turley, N., Gupta, A., Westover, M. B., Singhal, A. B., Zafar, S. F.
2025; 10 (3): 829-836
- **Automated analysis of the AASM Inter-Scorer Reliability gold standard polysomnogram dataset.** *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*
Tripathi, A., Nasiri, S., Ganglberger, W., Nassi, T., Meulenbrugge, E. J., Sun, H., Stone, K. L., Mignot, E., Hwang, D., Trotti, L. M., Reyna, M. A., Clifford, G. D., Katwa, et al
2025
- **Choice of antiseizure medications and associated outcomes in Medicare beneficiaries after acute ischemic stroke** *EPILEPSIA*
Brooks, J. D., de Medeiros, R., Sun, S., Sankaranarayanan, M., Westover, M., Schwamm, L. H., Newhouse, J. P., Haneuse, S., Moura, L. R.
2025; 66 (12): 4857-4868
- **Evaluating crowdsourcing for ICU EEG annotation: A comparison with expert performance** *EPILEPSIA*
Kong, W., Nascimento, F. A., Struck, A., Duhaime, E., Kapur, S., Amorim, E., Kapinos, G., Rodriguez, A., Thomas, B., Desai, M., Lee, J., Westover, M., Jing, et al
2025; 66 (11): 4366-4380
- **Controversies: Periodic discharges in critically ill patients-" urgent treatment is essential"** *CLINICAL NEUROPHYSIOLOGY PRACTICE*
Westover, M., Kaplan, P. W., Husain, A. M.
2025; 10: 286-291
- **Surgery on the aortic arch and feasibility of electroencephalography (SAFE) monitoring in neonates: protocol for a prospective observational cohort study.** *BMJ open*
McDevitt, W. M., Jones, T. J., Quinn, L., Easter, C. L., Jing, J., Westover, M. B., Scholefield, B. R., Seri, S., Drury, N. E.
2025; 15 (7): e106423
- **CAISR: Achieving Human-Level Performance in Automated Sleep Analysis Across All Clinical Sleep Metrics.** *Sleep*
Nasiri, S., Ganglberger, W., Nassi, T., Meulenbrugge, E. J., Moura Junior, V., Ghanta, M., Gupta, A., Stone, K. L., Kjaer, M. R., Sum-Ping, O., Mignot, E., Hwang, D., Trotti, et al
2025
- **Toward a Universal Map of EEG: A Semantic, Low-Dimensional Manifold for EEG Classification, Clustering, and Prognostication** *ANNALS OF NEUROLOGY*
Krumm, L., Kranz, D. D., Halimeh, M., Nelde, A., Amorim, E., Zafar, S., Jing, J., Thomas, R. J., Westover, M., Meisel, C.
2025; 98 (2): 357-368

- **Harvard Electroencephalography Database: A comprehensive clinical electroencephalographic resource from four Boston hospitals.** *Epilepsia*
Sun, C., Jing, J., Turley, N., Alcott, C., Kang, W. Y., Cole, A. J., Goldenholz, D. M., Lam, A., Amorim, E., Chu, C., Cash, S., Junior, V. M., Gupta, et al
2025
- **Benzodiazepine Initiation and the Risk of Falls or Fall-Related Injuries in Older Adults Following Acute Ischemic Stroke** *NEUROLOGY-CLINICAL PRACTICE*
Sun, S., Lomachinsky, V., Smith, L. H., Newhouse, J. P., Westover, M., Blacker, D., Schwamm, L. H., Haneuse, S., Moura, L. R.
2025; 15 (3): e200452
- **Sleep as a window to understand and regulate Alzheimer's disease: emerging roles of thalamic reticular nucleus.** *Neural regeneration research*
Sun, H., Shen, S., Thomas, R. J., Westover, M. B., Zhang, C.
2025; 20 (6): 1711-1712
- **Sleep-Based Brain Age Is Reduced in Advanced Inner Engineering Meditators.** *Mindfulness*
Banks, J. C., Hariri, S., Kveraga, K., Ouyang, A., Gallagher, K., Quadri, S. A., Tesh, R. A., Reed, P. U., Thomas, R. J., Westover, M. B., Sun, H., Subramaniam, B.
2025; 16 (6): 1675-1692
- **Automated detection of interictal epileptiform discharges with few electroencephalographic channels** *EPILEPSIA*
Alkofer, M., Yang, C., Ganglberger, W., Beal, J., Hegde, M., Kang, J., Yoo, J., Gelfand, M. A., Thio, L., Kutluay, E., Campbell, Z., Schmitt, S., Gleichgerrcht, et al
2025; 66 (7): e114-e120
- **Automated phenotyping of mild cognitive impairment and Alzheimer's disease and related dementias using electronic health records.** *International journal of medical informatics*
Wei, R., Buss, S. S., Milde, R., Fernandes, M., Sumsion, D., Davis, E., Kong, W. Y., Xiong, Y., Veltink, J., Rao, S., Westover, T. M., Petersen, L., Turley, et al
2025; 200: 105917
- **Identification of Patients With Congestive Heart Failure From the Electronic Health Records of Two Hospitals: Retrospective Study.** *JMIR medical informatics*
Sumsion, D., Davis, E., Fernandes, M., Wei, R., Milde, R., Veltink, J. M., Kong, W., Xiong, Y., Rao, S., Westover, T., Petersen, L., Turley, N., Singh, et al
2025; 13: e64113
- **Differences in patterns of outpatient epilepsy-specific medication initiation after acute ischemic stroke in the Medicare population** *EPILEPSIA*
Donahue, M. A., Brooks, J. D., Hsu, J., Price, M., Blacker, D., Schwamm, L. H., Newhouse, J. P., Westover, M., Haneuse, S., Moura, L. R.
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