



Jessica Walter

Clinical Assistant Professor, Neurology & Neurological Sciences

CLINICAL OFFICES

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

- **Administrative/Alternate Contact**

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Bio

BIO

Dr. Walter received her MD from Georgetown University in Washington, DC. She stayed at Georgetown for her internship in Internal Medicine and then moved to New York City to complete her residency in Neurology at the Icahn School of Medicine at Mount Sinai. She went on to pursue a Clinical Neurophysiology Fellowship at Rush University in Chicago, IL, training in both EEG and EMG. Due to her particular interest in Epilepsy she went on to become the first Epilepsy Fellow at Rush University. Dr. Walter provides clinical care to general neurology patients as well as patients with epilepsy and enjoys teaching residents and medical students. She also has a particular interest in dietary treatments for epilepsy and clinical research.

CLINICAL FOCUS

- Neurology
- Epilepsy
- Dietary Treatments of Epilepsy (ketogenic, modified atkins)

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Neurology & Neurological Sciences

HONORS AND AWARDS

- Fellows Program, American Epilepsy Society (AES) (2015-2016)
- Epilepsy Program, J. Kiffin Penry (2012)
- Intramural Training Award Recipient (IRTA), National Institutes of Health (NIH) (2005-2006)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Epilepsy Society (2015 - present)
- Member, American Clinical Neurophysiological Society (2015 - present)
- Member, American Academy of Neurology (2011 - present)

PROFESSIONAL EDUCATION

- Fellowship: Rush University Epilepsy Fellowship (2016) IL
- Fellowship: Rush University Clinical Neurophysiology Fellowship (2015) IL
- Internship: Georgetown University Internal Medicine Residency (2011) DC
- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2017)
- Board Certifications, American Board of Psychiatry and Neurology (ABPN) , Neurology, Clinical Neurophysiology
- Board Certification: Clinical Neurophysiology, American Board of Psychiatry and Neurology (2015)
- Fellowship, Rush University Medical Center (Chicago, IL) , Neurophysiology (2015), Epilepsy (2016)
- Residency, Mount Sinai Medical Center/Icahn School of Medicine (New York, NY) , Neurology (2014)
- Residency: Icahn School of Medicine at Mount Sinai Neurology Residency (2014) NY
- Internship, Georgetown University Hospital Center/Medstar (Washington, DC) , Internal Medicine (2011)
- MD, Georgetown University School of Medicine (Washington, DC) (2010)
- Medical Education: Georgetown University School of Medicine (2010) DC
- Undergrad, Yale University (New Haven, CT) , Cognitive Science (2005)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CLINICAL TRIALS

- Inpatient, Dose-Ranging Study of Staccato Alprazolam in Epilepsy With Predictable Seizure Pattern, Not Recruiting

Publications

PUBLICATIONS

- **Comparative neuropsychological effects of carbamazepine and eslicarbazepine acetate** *EPILEPSY & BEHAVIOR*
Meador, K. J., Seliger, J., Boyd, A., Razavi, B., Falco-Walter, J., Le, S., Loring, D. W.
2019; 94: 151–57
- **Modified ketogenic diets in adults with refractory epilepsy: Efficacious improvements in seizure frequency, seizure severity, and quality of life** *EPILEPSY & BEHAVIOR*
Roehl, K., Falco-Walter, J., Ouyang, B., Balabanov, A.
2019; 93: 113–18
- **Comparative neuropsychological effects of carbamazepine and eslicarbazepine acetate.** *Epilepsy & behavior : E&B*
Meador, K. J., Seliger, J., Boyd, A., Razavi, B., Falco-Walter, J., Le, S., Loring, D. W.
2019; 94: 151–57
- **Modified ketogenic diets in adults with refractory epilepsy: Efficacious improvements in seizure frequency, seizure severity, and quality of life.** *Epilepsy & behavior : E&B*
Roehl, K., Falco-Walter, J., Ouyang, B., Balabanov, A.
2019
- **Do certain subpopulations of adults with drug-resistant epilepsy respond better to modified ketogenic diet treatments? Evaluation based on prior resective surgery, type of epilepsy, imaging abnormalities, and vagal nerve stimulation.** *Epilepsy & behavior : E&B*
Falco-Walter, J. J., Roehl, K., Ouyang, B., Balabanov, A.
2019
- **The new definition and classification of seizures and epilepsy.** *Epilepsy research*

Falco-Walter, J. J., Scheffer, I. E., Fisher, R. S.
2018; 139: 73–79

- **Magnetoencephalography and New Imaging Modalities in Epilepsy** *NEUROTHERAPEUTICS*

Falco-Walter, J., Owen, C., Sharma, M., Reggi, C., Yu, M., Stoub, T. R., Stein, M. A.
2017; 14 (1): 4-10

- **'Tickling' seizures originating in the left frontoparietal region.** *Epilepsy & behavior case reports*

Falco-Walter, J. J., Stein, M., McNulty, M., Romantseva, L., Heydemann, P.
2016; 6: 49-51

- **Treatment of Established Status Epilepticus.** *Journal of clinical medicine*

Falco-Walter, J. J., Bleck, T.
2016; 5 (5)

PRESENTATIONS

- Modified ketogenic diets improve outcomes, even in the most refractory epilepsy patients—those who have failed epilepsy surgery. - American Epilepsy Society Conference (12/11/2016)
- Modified ketogenic diet treatments in adults: efficacy within subgroups based on imaging abnormalities, seizure type, and diet type. - American Epilepsy Society Conference (12/12/2016 - 12/12/2016)
- Decoding Cryptogenic Stroke: Etiologic Source of a Cryptogenic Stroke Uncovered due to High Intensity Transient Signals on Transcranial Doppler - American Society of Neuroimaging
- Intracellular single neuron activity during neuronal avalanches - Soc. Neurosci.
- Upregulation of the Ca²⁺ binding protein calbindin during development regulates internal Ca²⁺ release and Ca²⁺ waves in CA1 pyramidal neurons - Soc. Neurosci.
- Comparative Neuropsychological Effects of Carbamazepine and Eslicarbazepine Acetate - American Academy of Neurology (May 9, 2019)