



## Ghiam Yamin

Adjunct Clinical Instructor, Radiology

### CLINICAL OFFICE (PRIMARY)

- **Diagnostic Radiology**

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### Bio

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#### CLINICAL FOCUS

- Neuroradiology
- Diagnostic Neuroimaging

#### HONORS AND AWARDS

- Elliott C. Lasser Award for Excellence in Research, UCSD Department of Radiology (2019)
- Robert F. Mattrey, M.D. Clinician-Scientist Award, UCSD Department of Radiology (2019)
- RSNA Research Resident Grant, RSNA (2018)
- Meeting Abstract Magna Cum Laude Award, ISMRM (2018)
- 2018 Meeting Educational Stipend, ISMRM (2018)
- Sigma Xi Scientific Research Society, Sigma Xi (2013)
- Chemistry-Biology Interface (CBI) Training Program Grant, UCLA (2008-2011)
- Graduate Research Mentorship Grant, UCLA (2007)
- Medical Student Training In Aging Research (MSTAR) Grant, American Federation for Aging Research (AFAR) (2006 & 2007)
- NIH Medical Scientist Training Program Fellowship, NIH (2004-2013)
- Phi Beta Kappa Honors Society, Phi Beta Kappa (2002)

#### PROFESSIONAL EDUCATION

- Medical Education: UCLA David Geffen School Of Medicine (2013) CA
- Board Certification: Neuroradiology, American Board of Radiology (2022)
- Residency: UCSD Dept of Radiology (2019) CA
- Fellowship: Stanford Health Care (2021) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2021)

- Board Certification, American Board of Radiology , Radiology (2021)
- Fellowship, Stanford Medical Center , Neuroradiology Fellowship (2021)
- Internship: St Mary Medical Center Internal Medicine Residency (2014) CA
- M.D., David Geffen School of Medicine at UCLA , Medicine (2013)
- Ph.D., UCLA (UCLA-Caltech MSTP) , Neuroscience (2011)

## Publications

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### PUBLICATIONS

- **Arterial Spin-Labeling and DSC Perfusion Metrics Improve Agreement in Neuroradiologists' Clinical Interpretations of Posttreatment High-Grade Glioma Surveillance MR Imaging-An Institutional Experience.** *AJNR. American journal of neuroradiology*  
Yamin, G., Tranvinh, E., Lanzman, B. A., Tong, E., Hashmi, S. S., Patel, C. B., Iv, M.  
2024
- **Exploring the performance and explainability of fine-tuned BERT models for neuroradiology protocol assignment.** *BMC medical informatics and decision making*  
Talebi, S., Tong, E., Li, A., Yamin, G., Zaharchuk, G., Mofrad, M. R.  
2024; 24 (1): 40
- **Fibrodysplasia ossificans progressiva (FOP) presenting as a rapidly growing non-calcified neck mass.** *Journal of radiology case reports*  
Yamin, G., Daghighi, S., Mafee, M.  
2021; 15 (5): 10-16
- **Assessment of Motor Dysfunction with Virtual Reality in Patients Undergoing [123I]FP-CIT SPECT/CT Brain Imaging** *Tomography*  
Vu, J. P., Yamin, G., Reyes, Z., Shin, A., Young, A., Litvan, I., Xie, P., Obrzut, S.  
2021; 7 (2): 95-106
- **An Unusual Case of Thiamine Deficiency in a Total Parenteral Nutrition-Dependent Child Secondary to Munchausen by Proxy** *JPGN Reports*  
Huang, A. C., Herdes, R. E., Yamin, G., Kerner, J.  
2021; 2 (1)
- **The false-negative rate of mammography should be calculated in the 1st and 2nd year following a benign screening mammogram.** *The breast journal*  
Eghtedari, M. n., Al-Shamrani, A. n., Shojaeiadib, N. n., Yamin, G. n., Ojeda-Fournier, H. n.  
2020
- **Automated CT registration tool improves sensitivity to change in ventricular volume in patients with shunts and drains.** *The British journal of radiology*  
Yamin, G. n., Cheecharoen, P. n., Goel, G. n., Sung, A. n., Li, C. Q., Chang, Y. A., McDonald, C. R., Farid, N. n.  
2020; 93 (1106): 20190398
- **Chronic cough and an atypical pattern of peripheral pulmonary opacities: A case report secondary to suspected drug onset.** *The Journal of asthma : official journal of the Association for the Care of Asthma*  
Alas, R., Williams, M. T., Yamin, G., Rofoogaran, M.  
2018; 55 (1): 106-110
- **Pittsburgh Compound-B (PiB) binds amyloid  $\beta$ -protein protofibrils.** *Journal of neurochemistry*  
Yamin, G., Teplow, D. B.  
2017; 140 (2): 210-215
- **Design, Characterization, and Use of a Novel Amyloid  $\beta$ -Protein Control for Assembly, Neurotoxicity, and Gene Expression Studies.** *Biochemistry*  
Yamin, G., Coppola, G., Teplow, D. B.  
2016; 55 (36): 5049-60
- **Demonstration of Non-Gaussian Restricted Diffusion in Tumor Cells Using Diffusion Time-Dependent Diffusion-Weighted Magnetic Resonance Imaging Contrast.** *Frontiers in oncology*

Hope, T. R., White, N. S., Kuperman, J., Chao, Y., Yamin, G., Bartch, H., Schenker-Ahmed, N. M., Rakow-Penner, R., Bussell, R., Nomura, N., Kesari, S., Bjørnerud, A., Dale, et al  
2016; 6: 179

- **Voxel Level Radiologic-Pathologic Validation of Restriction Spectrum Imaging Cellularity Index with Gleason Grade in Prostate Cancer** *CLINICAL CANCER RESEARCH*  
Yamin, G., Schenker-Ahmed, N. M., Shabaik, A., Adams, D., Bartsch, H., Kuperman, J., White, N. S., Rakow-Penner, R. A., McCammack, K., Parsons, J., Kane, C. J., Dale, A. M., Karow, et al  
2016; 22 (11): 2668–74
- **Mass of the Anterior Nasal Septum.** *JAMA otolaryngology-- head & neck surgery*  
Yamin, G., Shabaik, A., Mafee, M.  
2016; 142 (6): 601-2
- **Inhibiting amyloid  $\beta$ -protein assembly: Size-activity relationships among grape seed-derived polyphenols.** *Journal of neurochemistry*  
Hayden, E. Y., Yamin, G., Beroukhi, S., Chen, B., Kibalchenko, M., Jiang, L., Ho, L., Wang, J., Pasinetti, G. M., Teplow, D. B.  
2015; 135 (2): 416-30
- **Design and Characterization of Chemically Stabilized A $\beta$ 42 Oligomers.** *Biochemistry*  
Yamin, G., Huynh, T. V., Teplow, D. B.  
2015; 54 (34): 5315-21
- **A peptide hairpin inhibitor of amyloid beta-protein oligomerization and fibrillogenesis.** *Biochemistry*  
Yamin, G., Ruchala, P., Teplow, D. B.  
2009; 48 (48): 11329-31
- **NMDA receptor-dependent signaling pathways that underlie amyloid beta-protein disruption of LTP in the hippocampus.** *Journal of neuroscience research*  
Yamin, G.  
2009; 87 (8): 1729-36
- **Amyloid beta-Protein Assembly as a Therapeutic Target of Alzheimer's Disease** *CURRENT PHARMACEUTICAL DESIGN*  
Yamin, G., Ono, K., Inayathullah, M., Teplow, D. B.  
2008; 14 (30): 3231-3246
- **Familial Alzheimer's disease mutations alter the stability of the amyloid beta-protein monomer folding nucleus.** *Proceedings of the National Academy of Sciences of the United States of America*  
Grant, M. A., Lazo, N. D., Lomakin, A., Condron, M. M., Arai, H., Yamin, G., Rigby, A. C., Teplow, D. B.  
2007; 104 (42): 16522-7
- **Characterization of oligomeric intermediates in alpha-synuclein fibrillation: FRET studies of Y125W/Y133F/Y136F alpha-synuclein.** *Journal of molecular biology*  
Kaylor, J., Bodner, N., Edridge, S., Yamin, G., Hong, D. P., Fink, A. L.  
2005; 353 (2): 357-72
- **Forcing nonamyloidogenic beta-synuclein to fibrillate.** *Biochemistry*  
Yamin, G., Munishkina, L. A., Karymov, M. A., Lyubchenko, Y. L., Uversky, V. N., Fink, A. L.  
2005; 44 (25): 9096-107
- **Effects of nitration on the structure and aggregation of alpha-synuclein** *MOLECULAR BRAIN RESEARCH*  
Uversky, V. N., Yamin, G., Munishkina, L. A., Karymov, M. A., Millett, I. S., Doniach, S., Lyubchenko, Y. L., Fink, A. L.  
2005; 134 (1): 84-102
- **Methionine oxidation, alpha-synuclein and Parkinson's disease.** *Biochimica et biophysica acta*  
Glaser, C. B., Yamin, G., Uversky, V. N., Fink, A. L.  
2005; 1703 (2): 157-69
- **Role of individual methionines in the fibrillation of methionine-oxidized alpha-synuclein.** *Biochemistry*  
Hokenson, M. J., Uversky, V. N., Goers, J., Yamin, G., Munishkina, L. A., Fink, A. L.  
2004; 43 (15): 4621-33

- **Certain metals trigger fibrillation of methionine-oxidized alpha-synuclein.** *The Journal of biological chemistry*  
Yamin, G., Glaser, C. B., Uversky, V. N., Fink, A. L.  
2003; 278 (30): 27630-5
- **Nitration inhibits fibrillation of human alpha-synuclein in vitro by formation of soluble oligomers.** *FEBS letters*  
Yamin, G., Uversky, V. N., Fink, A. L.  
2003; 542 (1-3): 147-52
- **Methionine oxidation inhibits fibrillation of human alpha-synuclein in vitro.** *FEBS letters*  
Uversky, V. N., Yamin, G., Souillac, P. O., Goers, J., Glaser, C. B., Fink, A. L.  
2002; 517 (1-3): 239-44