Alzheimer Disease, Lewy Body Disease, and Frontotemporal Dementia: Clinical Features, Biomarkers, Neuroimaging, Genetics, and Pathology: A Multidisciplinary Approach

DIRECTOR
Neill R. Graff-Radford, MD, FAAN Jacksonville, FL

PROGRAM DESCRIPTION
This program will address three diseases from four different disciplines, taking a disease approach with four speakers for each disease. First faculty will present clinical features, including biomarkers and videos of illustrative typical and unusual cases. Then a radiologist will show structural and functional scans characterizing the disease. A geneticist will discuss genetic causes and risk factors relating these to the clinical features and proteins seen in the brains of patients afflicted with the disease. Lastly, a neuropathologist will show typical disease pathology and how this relates to clinical, radiological, and genetic features.

LEARNING OBJECTIVES
Upon completion, participants should recognize the clinical features of typical and atypical presentations of the three most common degenerative dementias; will relate blood, CSF, and radiological biomarkers to the different diseases, and be able to use them in the differential diagnosis; will differentiate causative and risk genes in these three diseases; and will relate the proteins seen on the pathology to the causative genes of the disease.

RECOMMENDED AUDIENCE
Neurologists, Residents, Students, and Neuroscientists

CORE COMPETENCIES
Practice-based Learning and Improvement

SCHEDULE

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| 8:00 | Clinical/Biomarkers, Radiology, Genetics, and Neuropathology of Alzheimer’s Disease  
Neill R. Graff-Radford, MD, FAAN Jacksonville, FL  
Kejal Kantarci, MD Rochester, MN  
Nilufer Taner, MD, PhD Jacksonville, FL  
Ian R.A. Mackenzie, MD, FRCP Vancouver, BC, Canada |
| 8:50 | Questions Faculty |
| 9:00 | Clinical/Biomarkers, Radiology, Genetics, and Neuropathology of Lewy Body Disease  
Neill R. Graff-Radford, MD, FAAN Jacksonville, FL  
Kejal Kantarci, MD Rochester, MN  
Nilufer Taner, MD, PhD Jacksonville, FL  
Ian R.A. Mackenzie, MD, FRCP Vancouver, BC, Canada |
| 9:50 | Questions Faculty |
| 10:00 | Clinical/Biomarkers, Radiology, Genetics, and Neuropathology of Frontotemporal Dementia  
Neill R. Graff-Radford, MD, FAAN Jacksonville, FL  
Kejal Kantarci, MD Rochester, MN  
Nilufer Taner, MD, PhD Jacksonville, FL  
Ian R.A. Mackenzie, MD, FRCP Vancouver, BC, Canada |
| 10:50 | Questions Faculty |

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Integrated Neuroscience Session: Proteinopathy in Neurodegenerative Diseases