

Monday, March 23, 2009

12:00 noon

Blue Bird Auditorium, NB-137, Neurosensory Center

Cognition in Parkinson's Disease: can neuroimaging enlighten us?

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Objectives:

At the end of this presentation, participants should be able to:

- identify the cognitive profiles in Parkinson's disease and Parkinson's disease dementia.
- discuss the relationship between volumetric changes on MRI and cognition in Parkinson's disease.
- identify the relationship between diffusion tensor imaging changes and cognition in Parkinson's disease.

References:

- Emre M, Aarsland D, Brown R, Burn DJ, Duyckaerts C, Mizuno Y, Broe GA, Cummings J, Dickson DW, Gauthier S, Goldman J, Goetz C, Korczyn A, Lees A, Levy R, Litvan I, McKeith I, Olanow W, Poewe W, Quinn N, Sampaio C, Tolosa E, Dubois B. Clinical diagnostic criteria for dementia associated with Parkinson's disease. *Mov Disord.* 2007; **22**:1689-707.
- Huang C, Tang C, Feigin A, Lesser M, Ma Y, Pourfar M, Dhawan V, Eidelberg D. Changes in network activity with the progression of Parkinson's disease. *Brain* 2007; **130**:1834-46.
- Geng DY, Li YX, Zee CS. Magnetic resonance imaging-based volumetric analysis of basal ganglia nuclei and substantia nigra in patients with Parkinson's disease. *Neurosurgery* 2006; **58**:256-62.
- Yoshikawa K, Nakata Y, Yamada K, Nakagawa M. Early pathological changes in the parkinsonian brain demonstrated by diffusion tensor MRI. *J.Neurol.Neurosurg.Psychiatry* 2004; **75**:481-4.

Target Audience, Needs, Educational Methods, Activity Evaluation:

Physicians, residents, fellows, and other healthcare professionals need to be updated about new advances in the clinical and research areas for the diagnosis, treatment, and management of patients with neurological disorders. Educational methods will include lectures, case presentations, audio/video presentations, and questions & answer sessions. Participants will be asked to complete an activity evaluation.

Accreditation/Credit Designation

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Physicians should only claim credit commensurate with the extent of their participation in the activity.