

CAMD セミナー

(Center for Development of Advanced Medicine for Dementia)

**Thirty Years Experience with the Massachusetts
Alzheimer Disease Research Center Neuropathology
Core : Diagnoses and Brain Banking.**

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**平成 24 年 6 月 14 日(木) 13 時 30 分～14 時 30 分
研究所 2 階会議室**

The Massachusetts Alzheimer Research Center was established in 1984 funded by the National Institute of Aging of the National Institutes of Health. The Center included a Clinical Core, a Research Core and a Neuropathology Core. The role of the Neuropathology Core was to make the post-mortem diagnoses on subjects enrolled in the Clinical core and to establish a Brain Bank to support the research efforts of both our center and other centers interested in neurodegenerative disorders. Over the past 30 years, we have collected over 1600 brains from a variety of neurodegenerative disorders including Alzheimer Disease (AD), Pick Disease, Frontotemporal Lobe Degenerations (FTLD), Parkinson Disease, Lewy Body Disease (DLB), Progressive Supranuclear Palsy (PSP) , Multiple System Atrophy (MSA) as well as Amyotrophic Lateral Sclerosis (ALS), Huntington Disease and other miscellaneous diseases. We also have small number of control (clinically normal) brains . These brains have been worked up for diagnosis and research using standardized protocols. The protocols for diagnosis have evolved slightly over this period in response to publication of different criteria for making the neuropathological diagnoses and as different methods, particularly immunohistochemistry, have become available. The methods of processing the brains for storage have remained much the same over the years with the addition of the evaluation of preservation of RNA in the postmortem specimens. Over 800 (50%) carry a diagnosis of AD with 250 of those having an additional diagnosis. We have 112 cases of ALS, 81 cases of DLB, 50 PSP, 80 DLB, 33 Pick Disease and 33 FTD brains. The presentation will cover some of our Diagnostic and Brain Banking procedures.

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