Clinical and Epidemiological Aspects of Neurodegenerative Diseases

N231 - Fall 2016

Syllabus

Time and place: Thursdays; 1:00 pm – 3:50 pm

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Level: Graduate

Units: 4

Course objectives:
This graduate seminar will include student presentations and group discussions. In this course, the students will learn the clinical and epidemiological aspects of neurodegenerative diseases including Alzheimer’s disease, Parkinson’s disease, Huntington’s disease, amyotrophic lateral sclerosis, Frontotemporal dementia, progressive supranuclear palsy, corticobasal degeneration, and multiple systems atrophy. The discussion of clinical aspects will cover presentation, course, diagnosis, and treatment. The discussion of epidemiological aspects will cover prevalence, incidence, risk factors, and prevention. Students will be responsible for researching, presenting, and discussing the clinical and epidemiological aspects of each disorder. The presentations will lead to a discussion on how to translate into bench research the newly gained knowledge about clinical and epidemiological aspects. The goal is to gain familiarity with neurodegenerative disorders that are currently being investigated in labs at our institution.

Readings:
Students will identify current research articles relevant to their assigned disease and will use them as the basis of their presentation. All students will be required to read these research articles in addition to the readings listed below:

Reading List for Neurodegenerative Diseases Seminar


**Diseases to be covered**
- Alzheimer's disease
- Parkinson's disease
- Lewy body disease
- Huntington's disease
- amyotrophic lateral sclerosis
- frontotemporal dementia
- Parkinson's plus syndromes
  - progressive supranuclear palsy
  - corticobasal degeneration
  - multiple systems atrophy