

Resource Summary Report

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Mayo Clinic Jacksonville: Neuropathology and Microscopy

RRID:SCR_008753

Type: Tool

Proper Citation

Mayo Clinic Jacksonville: Neuropathology and Microscopy (RRID:SCR_008753)

Resource Information

URL: http://mayoresearch.mayo.edu/mayo/research/dickson_lab/

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Description: A brain bank and laboratory focused on memory and motor disorders. Brains are sent to the laboratory for diagnosis and research for the State of Florida Alzheimer Disease Initiative and for the Society for Progressive Supranuclear Palsy. As part of this brain banking function, fixed and frozen brain samples are obtained at autopsy and sent to the laboratory for diagnostic evaluation and for various types of research studies. The major types of analyses performed on the brain samples include neuro-histology, immunohistochemistry, confocal microscopy, electron microscopy and image analysis, as well as immunoassays. The latter are based upon Western blotting and enzyme linked immunoassays. The laboratory has a specific interest in the interface between normal aging and Alzheimer's disease, as well as in non-Alzheimer's degenerative disorders such as Lewy body dementia, corticobasal degeneration, progressive supranuclear palsy and frontotemporal dementia. The primary focus of research on aging is neuropathologic characterization of brains of individuals who had been prospectively and longitudinally evaluated during life. These studies aim to determine differences in a range of biologic parameters in brains of people with normal cognitive, mild cognitive impairment and dementia. Their focus on Parkinson's disease is to identify preclinical Parkinson's disease in order to develop means for early diagnosis.

Synonyms: Mayo Clinic Jacksonville: Neuropathology Microscopy, Mayo Clinic Florida: Neuropathology and Microscopy, Neuropathology and Microscopy - Dennis W. Dickson, Mayo Clinic Florida: Neuropathology and Microscopy - Dennis W. Dickson

Resource Type: material resource, biomaterial supply resource, brain bank, tissue bank

Keywords: tissue, brain, fixed, frozen, alzheimer's disease, normal aging, memory disorder, motor disorder, parkinson's disease, progressive supranuclear palsy, lewy body disease, corticobasal degeneration, frontotemporal dementia, dementia, mild cognitive impairment, mouse, neurofibrillary degeneration, postmortem, normal control, autopsy

Related Condition: Alzheimer's disease, Aging, Memory disorder, Motor disorder, Parkinson's disease, Progressive Supranuclear Palsy, Lewy Body Disease, Corticobasal Degeneration, Frontotemporal dementia, Dementia, Mild Cognitive Impairment

Funding: NIA P50-AG16574;
NIA P50-AG25711;
NINDS P50-40256

Resource Name: Mayo Clinic Jacksonville: Neuropathology and Microscopy

Resource ID: SCR_008753

Alternate IDs: nlx_143952

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Record Last Update: 20250521T061256+0000

Ratings and Alerts

No rating or validation information has been found for Mayo Clinic Jacksonville: Neuropathology and Microscopy.

No alerts have been found for Mayo Clinic Jacksonville: Neuropathology and Microscopy.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Jung S, et al. (2019) Variability of Antibiotic Prescribing in a Large Healthcare Network Despite Adjusting for Patient-Mix: Reconsidering Targets for Improved Prescribing. Open forum infectious diseases, 6(2), ofz018.