

CoPGr CURRICULAR CHAMBER SUBJECTS PRESENTATION FORM

SUBJECT'S ACRONYM: **RNP5777**

SUBJECT'S NAME: Neuropathological Substrate of Image I

CURRICULUM/AREA: Neurology/17140

FOCAL AREA: Neurosciences

INITIAL VALIDITY (Year/Semester):

N. OF CREDITS: 8

Theoretical Classes: 02 Practical Classes, Seminars and Others: 02 Hours of Study: 04

DURATION IN WEEKS: 15

PROFESSOR(S) IN CHARGE:

USP Professor, n. 94301 – Antonio Carlos dos Santos

USP Professor, n. 1076212 – João Pereira Leite

ACTUAL COSTS OF THE SUBJECT: BRL (Presenting, if applicable, the budget foreseen for the year, as an attachment)

PROGRAM

OBJECTIVES:

Correlating neuroImage findings with macroscopic and microscopic neuropathology with emphasis in the study of the lesion's physiopathology.

JUSTIFICATION:

The medical image got a new dimension in terms of importance for the diagnosis in neurology from the introduction on the clinical practice of the computed tomography (CT) in the 70's and the magnetic Resonance Imaging (MRI), in the 80's. With the advance of these methods, the capacity of correlating neuropathologic findings with image findings in macroscopic terms was improved and, with the introduction of more sophisticated techniques at the MRI, such as the diffusion and DTI magnetization spectroscopy and transfer, inferences with the histology can also be made. Thus, it is necessary that the neurosciences researcher gets an update and deepening in the neuropathology and neuroImage knowledges with a correlation between the findings in the tissue alterations in both subjects.

CONTENT (SYLLABUS):

Weekly Brain Cutting Sessions where encephalic cuts will be made previously fixed in formalin for a pathology professor. These specimen will be extracted from autopsies performed at the Hospital School and at the morgue. Some of these patients have images performed along their lives, at the Imaging Center's file. The session will include a previous discussion of in vivo and postmortem neuroImage findings of these specimen, led by neuroImage professor, followed from the cutting of the same with the presence of the students. The correlation between macroscopic anatomy and neuroImage, with photographic documentation. Once a month, all the cases will be reviewed with the projection of the macroscopy photos, image and microscopy photos, with new discussion on the findings of the necropsy case. Additionally, seminars and classes on neuroImage and neuropathology will be performed, with emphasis on the image semiology and lesion physiopathology.

EVALUATION METHOD:

Frequency, participation in the activities, quality of the seminars presented by the student.

NOTES: