

CoPGr CURRICULAR CHAMBER SUBJECTS PRESENTATION FORM

SUBJECT'S ACRONYM: **RNP5737**

SUBJECT'S NAME: Diagnostic Methods in Epilepsy

CURRICULUM/AREA: Neurology/17140

FOCAL AREA: Neurology

INITIAL VALIDITY (Year/Semester):

N. OF CREDITS: 04

Theoretical Classes: 02 Practical Classes, Seminars and Others: 08 Hours of Study: 05
DURATION IN WEEKS: 4

PROFESSOR(S) IN CHARGE:

USP Professor, n. 85920 – Américo Ceiki Sakamoto

ACTUAL COSTS OF THE SUBJECT: BRL

(Presenting, if applicable, the budget foreseen for the year, as an attachment)

PROGRAM

OBJECTIVES:

Critical analysis of the applicability and results from different investigation techniques currently used in epileptology, including structural imaging techniques (magnetic resonance) function imaging (SPECT and PET), clinical neuropsychology and neurophysiology (conventional EEG, VIDEO-EEG, electrocorticography, evoked potential etc.)

JUSTIFICATION:

Modern epileptology has been characterized by numerous advances in the investigation and diagnosis methods. Such methodologies enable the identification of the anatomic and pathological substrate of the different forms of epilepsy, assessment of the functional deficits, characterization of the clinical semiology etc. The critical analysis of the role of these methodologies is, therefore, extremely relevant and essential in order to wide the knowledge in the field of epileptology. The combined use of the different methodologies and the multidisciplinary approach have been extremely relevant in the handling and in the clinical and surgical therapeutics of the different epileptic syndromes.

CONTENT (SYLLABUS):

1. CT and epilepsy
2. NMR and epilepsy
3. Neuropsychology and epilepsy
4. Interictal and ictal electroencephalography
5. Non-invasive and invasive EEG-video
6. Evoked potentials
7. Electrocorticography
8. Cortical stimulation
 - Circadian rhythm disorders
 - Sleep deprivation

EVALUATION METHOD:

1. Performance in theoretical activities, seminars and practices.
2. Reports and/or monographs
3. Frequency

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