

CoPGr CURRICULAR CHAMBER

SUBJECTS PRESENTATION FORM

SUBJECT'S ACRONYM: RNP 5784
SUBJECT'S NAME: Antiepileptic Drugs:

CURRICULUM/AREA: Neurology

N. OF THE AREA: 17140

INITIAL VALIDITY (Year/Semester): 2015/2

N. OF CREDITS: 3

Theoretical Classes: 2h/week Practical Classes, Seminars and Others: 1h/week Hours of Study: 2h/week

DURATION IN WEEKS: 9

PROFESSOR(S) IN CHARGE:

1. Ana Paula A Hamad

X Usp Professor, n. 8770578

External Professor. Date of title obtainment: 2011 Institution: FMRP-USP

2. Veriano Alexandre

Usp Professor, n. 3220940

X External Professor. Date of title obtainment: 2009 Institution: FMRP-USP

3. Regina Maria França Fernandes

X Usp Professor, n. 66032

External Professor. Date of title obtainment: 1995 Institution: FMRP-USP

ACTUAL COSTS OF THE SUBJECT: no costs

PROGRAM

OBJECTIVES:

Discussing the pharmacokinetic and pharmacodynamic principles of medications used for treating epilepsies.

JUSTIFICATION:

The epilepsies prevalence is around 1%. Around 70% of the patients with epilepsy respond to antiepileptic medications and the ones that do not get the full control of crisis need new therapeutic options for minimizing them in frequency, duration and intensity.

Basic researches and clinical tests have been developed in the last years with the purpose of developing drugs which are more efficient and which have more tolerability.

The knowledge of the pharmacokinetic principles of these medications, as well as the models of clinical tests study contributes for the assistance, teaching and research. Besides promoting the safer clinical use of these medications, it arouse the critics and the interest of the graduation student on the research of clinical studies.

CONTENT (SYLLABUS):

Principles of pharmacokinetics of the antiepileptic drugs.

Phenobarbital and Phenytoin

Carbamazepine and Oxcarbazepine

Valproic Acid and Ethosuximide

Lamotrigine and Vigabatrin

Benzodiazepines

Topiramate and Levetiracetam

Lacosamide and Cannabidiol

Methodologies of Clinical Tests

EVALUATION CRITERIA:

- Attendance
- Seminars
- Written work

NOTES:

Need of medical or pharmaceutical formation