

Pharmacologie, dopage et éléments d'algologie

Lecturers

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Course mnemonic

PSYC-I6026

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Campus

Erasme

Course content

- Brief summary of the functional and structural pathways involved in pain: nociception and nociceptive fibres activation, pain afferent pathways (discriminative, affective and motivational components), referred pain, central pain regulatory pathways.
- Description of analgesic drugs targets and mechanisms of action according to the different steps of nociceptive stimuli transduction and modulation: inflammatory reaction (steroidal and non-steroidal anti-inflammatory drugs), muscles (myorelaxant drugs), peripheral nerve (activation, facilitation and propagation), spinal nociceptive neurons (gate control theory), peri-aqueductal grey matter, opoidergic system and high level cortical control (Attentional, limbic and hypothalamic).
- Pragmatic method of analgesic drug selection based on real-life clinical patterns. Red flags in analgesia, sequential drug selection, drugs combinations (positive/negative interactions). Analgesic drugs limitations, number needed to treat (NNT) to get a benefice and combined pharmacological and non-pharmacological treatments.

Objectives (and/or specific learning outcomes)

- Provide a clinical, pragmatical and rational approach of the drugs available to treat acute and chronic musculoskeletal pain

Teaching method and learning activities

- Ex-cathedra lessons with Power Point slides

Course notes

Université virtuelle

Other information

Place(s) of teaching

Erasme

Evaluation method(s)

Oral examination

Main language(s) of evaluation

French

Other language(s) of evaluation, if applicable

English

Programmes

Programmes proposing this course at the faculty of Motor Sciences

MS-OSTE | Specialized Master in Osteopathy | unit U