

## COURSE SYLLABUS

### **Neuro-Oncological Surgery**

2324-5-H4101D311

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#### **Aims**

To learn the main brain tumors biology/genetics, their clinico-radiological features and their treatments strategies.

#### **Contents**

High and low grade Gliomas

Meningiomas and acoustic Schwannomas

Pituitary tumors and Craniopharyngiomas

Ependymomas

Rare Tumors

Metastasis

Biology and genetics of brain tumors

Surgical techniques for location and histotype

#### **Detailed program**

High and low grade Gliomas and adjuvant therapies (Chemo and Radio)

Meningiomas and acoustic Schwannomas

Pituitary tumors and Craniopharyngiomas

Ependymomas

Rare Tumors

Metastasis

Biology and genetics of brain tumors

Surgical techniques for location and histotype: microneurosurgery, skull base surgery, neuroendoscopy, awake surgery and intraoperative neurophysiology

## **Prerequisites**

Knowledges of neurology, Neuronatomy and Neurophysiology

## **Teaching form**

Frontal lessons apart from different indications due to Covid-19 emergency

## **Textbook and teaching resource**

Slides and pdf of updated literature.

## **Semester**

## **Assessment method**

Presence/absence of the student

## **Office hours**

## **Sustainable Development Goals**

