



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Neurochirurgia Oncologica

2021-5-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**

Knowledge of neurology, Neuroanatomy and Neurophysiology

## **Teaching form**

During the Covid-19 period the lesson will be delivered with a mixed modality: frontal lessons and synchronous/asynchronous video recorded lesson

## **Textbook and teaching resource**

Slides and pdf of updated literature.

## **Semester**

## **Assessment method**

Presence/absence of the student

## **Office hours**

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