



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Diagnostics and Radiation Oncology

2021-3-H4102D020-H4102D067M

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#### Aims

1. Understanding the basic principles of conventional radiology, computed tomography, ultrasound, and magnetic resonance imaging.
2. Understanding the importance of each imaging modality in detecting, staging, and follow-up of neoplastic disease.

Morphologic and functional imaging in oncology: state of the art, and future perspectives.

#### Contents

1. Imaging technique of choice for detection of the most common solid tumors in the central nervous system, thorax, and abdomen: the rationale.
2. Staging of the most common solid tumor as above: the key point of diagnostic imaging. Strength, and weakness of cross sectional imaging techniques. How to properly assess actual tumor spread in the view of optimal treatment planning.

Imaging follow up, and patient tailored therapy.

#### Detailed program

1. Imaging technique of choice for detection of the most common solid tumors in the central nervous system, thorax, and abdomen: the rationale.

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### **Prerequisites**

preparatory courses for Vertical Tracks

### **Teaching form**

lessons and small group activities

### **Textbook and teaching resource**

to be defined

### **Semester**

second term

### **Assessment method**

integrated exams

### **Office hours**

on appointment

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