UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Diagnostics and Radiation Oncology

1920-3-H4102D020-H4102D067M

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

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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