



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Mezzi di Contrasto

2122-2-I0303D035-I0303D084M

Aims

Learn the fundamental aspect of chemical classification, mechanism of action, general safety and approved clinical indications of MR contrast agents.

Contents

The course aims to provide students with basic knowledge of physical and biological principle for the use of MR contrast media.

Detailed program

Fundamental of pharmacological and regulatory basis of MR contrast media including: elements used for MRI imaging contrast, physico-chemical properties of contrast agents; stability, pharmacokinetics and mechanism of action; approved clinical indication, safety, drug interaction and; Summary of Product Characteristics of MR contrast media.

Prerequisites

Diagnostic Imaging Techniques I

Teaching form

Lectures

Textbook and teaching resource

Slides, guide lines, SCP of products, self evaluation test on elearning, problem and solutions

Semester

Second semester

Assessment method

Evaluation with oral or written self-assessment test performed during the course; (closed questions or multiple choice); to test the ongoing learning skills, students will receive a list of question on the various lessons presented ; in addition, to verify the exact understanding of the methods presented to answer a specific scientific question, guideline and SpC will be to be provided and discussed in class; problem and solution will be also discussed in

class.

Final test: Oral examination.

Evaluation criteria: theoretical knowledge, synthesis skills, ability in the application of diagnostic methods to a specific clinical or experimental contest.

Office hours

By appointment required by mail
