

SCHEDA DOCENTE PROGRAMMA - A.A. 2014-2015

COGNOME E NOME: MASCIOCCHI CARLO

QUALIFICA: PROFESSORE ORDINARIO RADIODIAGNOSTICA

CORSO DI STUDIO: TECNICHE DI RADIOLOGIA MEDICA PER IMMAGINI E RADIOTERAPIA

INSEGNAMENTO: MED/50 DIAGNOSTICA E MEZZI DI CONTRASTO

ORARIO DI RICEVIMENTO: TUTTE LE MATTINE SALVO ASSENZA PER IMPEGNI ISTITUZIONALI

SEDE PER IL RICEVIMENTO: RADIOLOGIA II OSPEDALE SAN SALVATORE

N. TELEFONO (eventuale): 0862.368512

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PROGRAMMA DEL CORSO:

Course objective is to give information about the different types of contrast agents and their employment on the different diagnostic imaging techniques

Topics of the module include:

Employment of contrast media: introduction

General features and applications

Contrast media employed in plain film

Natural and artificial contrast media

Negative contrast media (radiolucent)

Positive contrast media (radiopaque)

iodinated and barium-containing contrast media

organic and inorganic iodinated contrast media

MRI contrast agents

Non-specific paramagnetic gadolinium contrast agents

Liver specific paramagnetic gadolinium contrast agents

Organ-specific superparamagnetic contrast agents

Paramagnetic gadolinium contrast agents specific for blood vessel

Contrast agents employed in Ultrasounds

Adverse reactions: cardiovascular side effects, renal and anaphylactoid reactions, side effects affecting the central nervous system

NSF (Nephrogenic Systemic Fibrosis)

Management of adverse reactions
Regulation and recommendations for best practice

On successful completion of this module, the student should

- have profound **knowledge** of contrast agent varieties
- have **knowledge and understanding** of contrast agent employment
- **demonstrate skill** and ability in contrast agent employment under radiologist guidance
- demonstrate **capacity** for reading and understanding texts on related topics

MODALITA' DI VERIFICA:

esame orale