

SCHEDA DOCENTE PROGRAMMA - A.A. 2015-2016**PROGRAMMA DELL'INSEGNAMENTO DI "Diagnostica e Mezzi di Contrasto"****Corso di Laurea Triennale in Tecniche di Radiologia Medica per Immagini e Radioterapia****NUMERO DI CREDITI: 1****SEMESTRE : Primo****COGNOME E NOME DOCENTE: MASCIOCCHI CARLO****ORARIO DI RICEVIMENTO: tutti i giorni previo appuntamento****SEDE PER IL RICEVIMENTO: U.O. Radiologia – Ospedale San Salvatore****N. TELEFONO (eventuale): 0862.414258 - 368512****E-MAIL: carlo.masciocchi@cc.univaq.it – istradiolaq@cc.univaq.it**

1	Obiettivi del Corso	Course objective is to give information about the different types of contrast agents employed with current diagnostic imaging techniques
2	Contenuti del corso ed esiti di apprendimento	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

		<p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> - 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
3	Conoscenze di base richieste e attività di apprendimento	Training activities are performed in the radiological dept.
4	Metodi e criteri di valutazione e verifica	Oral exam
5	Materiale Didattico	Reading of texts or manuscripts on the topic on national or international scientific journals is highly recommended