

RADIODIAGNOSIS

Number	COMPETENCY	Specific Learning Objective (K/S/A-c)	Doma in K/S/A /C	Levels K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning Method	suggested Assessment method	Number required to certify P	vertical Intergrat ion	Horizo ntal Integra tion
RD1.1	Define radiation and the interaction of radiation and importance of radiation protection	Define Radiation (K)	K	K	Y	Lecture	SAQ	-	-	-
		Describe interaction of radiation with matter. (KH)	K	KH	Y	Lecture	SAQ	-	-	-
		Discuss importance of radiation protection. (KH)	K	KH	Y	Lecture	Viva Voce/OSCE	-	-	-
RD1.2	Describe the evolution of Radiodiagnosis. Identify various radiological equipments in the current era	Describe the evolution of Radiodiagnosis (KH).	K	KH	Y	Lecture	SAQ	-	-	-
		Identify the radiological equipments shown & their uses. (SH)	K/S	SH	Y	Demostration	Viva Voce/OSCE	-	-	-
RD1.3	Enumerate indication for various common radiological investigations, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorder of ENT	Enumerate indication for various common radiological investigations in ENT disorders. (K)	K	K	Y	Lecture	SAQ	-	-	-
		Choose the most appropriate & cost effective method for sinusitis, tonsillitis, Adenoids & Croupe Syndrome (KH)	K/S	KH	Y	Lecture /Demonstration	MCQ	-	-	-
		Interpret the radiological diagnosis in the given X-Ray PNS. (SH)	K/S	SH	Y	Demostration	Viva Voce/OSCE	-	-	-
RD1.4	Enumerate indication for various common radiological investigation, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorder in Ob & Gy.	Enumerate indication for Pelvic ultrasound in Gynecological disorders. (K)	K	K	Y	Lecture	SAQ	-	-	-
		Enumerate indication of for ante-natal ultrasound (K)	K	K	Y	Lecture	SAQ	-	-	-
		Choose the most appropriate & cost effective radiological method in AUB, infertility. PCOD. (KH)	K	KH	Y	Lecture	MCQ	-	-	-
		Interpret the radiological diagnosis in the given HSG. (SH)	K/S	SH	Y	Demostration	Viva Voce/OSCE	-	-	-
RD1.5	Enumerate indication for various common radiological investigations, choose the most	Enumerate indication of X-Ray Chest (PA view) in common conditions pertaining to internal medicine. (K)	K	K	Y	Lecture	SAQ	-	-	-

	appropriate and cost effective method and interpret findings in common conditions pertaining to disorder in internal medicine	Enumerate indication for USG-Abdomen in common disorders pertaining to internal medicine. (K)	K	K	Y	Lecture	SAQ	-	-	-
		Choose the most appropriate & cost effective radiological method in COPD, TB, Chest Pain, Hemoptysis, Hematemesis, Hepatosplenomegaly. Pain abdomen. (KH)	K	KH	Y	Lecture	MCQ	-	-	-
		Interpret the radiological diagnosis in the given chest X-Ray (PA view). (SH)	S	SH	Y	Demonstration	Viva Voce/OSCE	-	-	-
		Interpret the radiological diagnosis in the given Barium Meal. (SH)	S	SH	Y	Demonstration	Viva Voce/OSCE	-	-	-
		Interpret the radiological diagnosis in the given CT scan of Head. (SH)	S	SH	Y	Demonstration	Viva Voce/OSCE	-	-	-
RD1.6	Enumerate indication for various common radiological investigation, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorders in surgery	Enumerate indication of X-Ray Abdomen AP (Erect) in common surgical disorders. (K)	K/S	K	Y	Lecture		-	-	-
		Enumerate indication of USG-Abdomen in common surgical disorders. (K)	K	K	Y	Lecture	SAQ	-	-	-
		Enumerate indication of X-Ray (KUB). (K)	K	K	Y	Lecture	SAQ	-	-	-
		Enumerate indication for USG-Breast. (K)	K	K	Y	Lecture	SAQ	-	-	-
		Choose the most appropriate & cost effective radiological method for Acute Abdomen, Head injury & Bleeding PR.(KH)	K	KH	Y	Lecture	SAQ	-	-	-
		Interpret the radiological diagnosis in the given X-Ray Abdomen [AP-Erect]. (SH)	K/S	SH	Y	Demonstration	MCQ	-	-	-
		Interpret the radiological diagnosis in the given IVU. (SH)	K/S	SH	Y	Demonstration	OSCE/Viva Voce	-	-	-
		Interpret the radiological findings in the given CT Scan Head. (SH)	K/S	SH	Y	Demonstration	OSCE/Viva Voce	-	-	-
RD1.7	Enumerate indication for various common radiological investigations, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorder in Pediatrics	Enumerate indication for X-Ray Chest (PA View) in Paediatric Age Group. (K)	K	K	Y	Lecture	OSCE/Viva Voce	-	-	-
		Enumerate indication for USG-Abdomen in common Paediatric disorders. (K)	K	K	Y	Lecture		-	-	-
		Choose the most appropriate & cost effective method in Bronchial Asthma, TB, Hemoptysis, Hematemesis, Hepatosplenomegaly, Pain Abdomen.(KH)	K	KH	Y	Lecture		-	-	-

		Interpret the radiological findings in the given X-Ray chest [PA view]. (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given X-Ray Abdomen [AP-Erect]. (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given X-Ray Wrist [PA view]. (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given CT Head. (SH)	K/S	SH	Y	Demonstration		-	-	-
RD1.8	Enumerate indications for various common radiological investigations, choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to common malignancies	Enumerate indication of USG Abdomen in common malignancies. (K)	K	K	Y	Lecture		-	-	-
		Enumerate indication for mammography. (K)	K	K	Y	Lecture		-	-	-
		Enumerate indication for HRCT chest (K)	K	K	Y	Lecture		-	-	-
		Enumerate indication for MRI scan in common malignancies. (K)	K	K	Y	Lecture		-	-	-
		Choose the most appropriate & cost effective radiological method in common malignancies of Head & neck	K	K	Y	Lecture		-	-	-
		Interpret the radiological findings in the given CT scan Head. (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given HRCT chest. (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given Mammogram (SH)	K/S	SH	Y	Demonstration		-	-	-
		Interpret the radiological findings in the given MRI scan. (SH)	K/S	SH	Y	Demonstration		-	-	-
RD1.9	Describe the role of interventional Radiology in common clinical conditions	Describe the role of Interventional radiology in common clinical conditions.	K	KH	Y	Lecture/Demonstration		-	-	-
RD1.10	Describe the role of Emergency Radiology, miscellaneous & applied aspects, interaction with clinical departments	Describe the role of Radiology in Casualty / Emergency ward.	K	KH	Y	Lecture/Demonstration		-	-	-
RD1.11	Describe preparation of patient for common imaging procedures	Describe the preparation of patient for USG Abdomen, IVU, Barium Meal/Enema, HSG	K	KH	Y	Lecture/Demonstration		-	-	-
		Describe the preparation of patient for CT abdomen.	K	KH	Y	Lecture/Demonstration		-	-	-

RD1.12	Describe the effects of radiation in pregnancy and the methods of prevention/minimization of radiation exposure	Describe effects of radiation in pregnancy (KH)	K	KH	Y	Lecture/Demonstration		-	-	-
		List the methods of prevention / minimization of radiation exposure. (K)	K	K	Y	Lecture/Demonstration		-	-	-
RD1.13	Describe the components of the PC & PNDT Act and its medicolegal implications	Describe the components of PC & PNDT Act.	K	KH	Y	Lecture		-	-	-
		Discuss the medicolegal implications of PC & PNDT Act	K	K	Y	Small Group Discussion		-	-	-

Department of Radio-diagnosis
Muzaffarnagar Medical College
Muzaffarnagar