Schedule HT 25

Physics of Diagnostic Radiology (10,5 p)

Day	Date	Time	Lectures	Lecturer	Location
Wed	17-dec	9.30-11.00	General Introduction	Various	GKS D1/D2 + TC or Library
		12.00-15.00	Practical info on X-ray course, short tour in Hospital	AK/SMK/SM	GKS D1/D2 + TC or Library
Thu	18-dec	09.45-11.00	Radiation Physics of Diagnostic Radiology	GP	CCK - MSF library
		12.30-13.30	X-ray technology: x-ray tubes and generators	GP	CCK - MSF library
		13.30-14.30	Image formation in conventional radiography	GP	CCK - MSF library
		14.30-15.30	X-ray dosimetric quantities	GP	CCK - MSF library
		15.30-16.30	Exercise: x-ray beam calculations with SpekPy	GP	CCK - MSF library
Fri	19-dec	9.00-11.00	The Essentials of Image Quality	AO	CCK - MSF library
		12.00-15.00	Computed Tomography I (Image Quality)	AO	CCK - MSF library
		15.00-16.00	Demo DQE GR1 (Ge-labbet;B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
		16.15-17.15	Demo DQE GR2 (Ge-labbet;B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
		17.20-18.20	Demo DQE GR3 (Ge-labbet;B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
Wed	07-jan	09.00-11.00	Projection radiography	SMK	CCK - MSF library
		11.15-14.00	Paediatric X-ray procedures (incl. Lunch break)	SMK	CCK - MSF library
		14:30-15.30	Radiologist´s view on IQ – projection radiography	EN	GKS D1/D2 + TC or Library
Thu	08-jan	09.00-11.00	Instrumentation in X-ray Physics.	EW	Huddinge
		12.00-14.00	Laboratory exercise. The X-ray Multimeter GR A	EW	Huddinge
		14.15-16.15	Laboratory exercise. The X-ray Multimeter GR B	EW	Huddinge
Fri	09-jan	09.00-11.00	Auscultation Conventional (paediatric) GR1	SMK	GKS D1/D2 + TC or Library
		13.00-16.00	Conventional: Laboratory work GR1 (RAX; lab 5 eller 6; F5:75)	RV, SMK	GKS D1/D2 + TC or Library
Mon	12-jan	09.00-16.00	Auscultation Conventional (adult) GR1, GR2, GR3	ASE	Huddinge
Tue	13-jan	09.00-11.00	Auscultation Conventional (paediatric) GR2	SMK	GKS D1/D2 + TC or Library
		12.00-13.30	Mammography	MH	CCK - MSF library
		14.00-16.00	Auscultation Mammography GR1	JSN	GKS D1/D2 + TC or Library
Wed	14-jan	09.00-11.00	Auscultation Conventional (paediatric) GR3	SMK	GKS D1/D2 + TC or Library
		09.00-11.00	Auscultation Mammography GR2	JSN	GKS D1/D2 + TC or Library
		12.30-13.30	Radiologist´s view on IQ-mammo	EA	GKS D1/D2 + TC or Library
		14.00-16.00	Auscultation Mammography GR3	JSN	GKS D1/D2 + TC or Library
		14.00-17.00	Laboratory and calculation exercise. Mammography GR1	MH, JSN	GKS D1/D2 + TC or Library
Thu	15-jan	09.00-12.00	Conventional: Laboratory work GR2 (RAX; lab 5 eller 6; F5:75)	RV, SMK	GKS D1/D2 + TC or Library
		09.00-12.00	Laboratory and calculation exercise. Mammography GR3	MH, JSN	GKS D1/D2 + TC or Library
		13.00-16.00	Conventional: Laboratory work GR3 (RAX; lab 5 eller 6; F5:75)	RV, SMK	GKS D1/D2 + TC or Library
		13.00-16.00	Laboratory and calculation exercise. Mammography GR2	MH, JSN	GKS D1/D2 + TC or Library
Fri	16-jan	09.00-11.30	Computed Tomography I	DT	CCK - MSF library
		12.30-15.00	Computed Tomography II	DT	CCK - MSF library
Mon	19-jan	09.00-10.00	Radiologist´s view on IQ-CT (NKS F8:72 Ritzen)	PCJ	GKS D1/D2 + TC or Library
		10.30-12.30	CT computational exercises	LB/AC	CCK - MSF library
		15.30-19.30	Laboratory exercise CT GR1	PH	GKS D1/D2 + TC or Library
Tue	20-jan	09.00-11.00	Auscultation CT GR3	Christian - Kliniklärare på CT i Huddinge/LB/AC	Huddinge
		15.30-19.30	Laboratory exercise CT GR2	PH	GKS D1/D2 + TC or Library
Wed	21-jan	09.00-11.00	Auscultation CT GR1	Christian - Kliniklärare på CT i Huddinge/LB/AC	Huddinge
		13.00-15.00	Auscultation CT GR2	Christian - Kliniklärare på CT i Huddinge/LB/AC	Huddinge
		15.30-19.30	Laboratory exercise CT GR3	PH	GKS D1/D2 + TC or Library
Thu	22-jan	08.00-10.00	CT Computational exercises presentation GR1	LB/AC	Huddinge
		10.00-12.00	CT Computational exercises presentation GR2	LB/AC	Huddinge
		13.00-15.00	CT Computational exercises presentation GR3	LB/AC	Huddinge
Fri	23-jan	08.30-11.30	Angiography and interventional techniques	AK	CCK - MSF library
		12.30-13.30	Radiologist´s view on IQ –angiography and interventional radiology	FSM	GKS D1/D2 + TC or Library
		13.30-16.30	Laboratory exercise. Angiography GR 1 (KERIC)	MH, AO	GKS D1/D2 + TC or Library
Mon	26-jan	08.00-11.00	Auscultation - Angiography and intervention GR A (coronary-/peripheral angiography)	MH, AK	GKS D1/D2 + TC or Library
		11.30-12.00	Half-time review		CCK - MSF library
		13.00-16.00	Laboratory exercise. Angiography GR 2 (KERIC)	MH, AO	GKS D1/D2 + TC or Library

Tue	27-jan	08.00-12.00	Auscultation - Angiography and intervention GR B (coronary-/peripheral angiography)	MH, AK	GKS D1/D2 + TC or Library
		13.00-16.00	Laboratory exercise. Angiography GR 3 (KERIC)	MH, AO	GKS D1/D2 + TC or Library
Wed	28-jan	09.00-16.00	PCXMC. Software tool / Laboratory exercise. Common x-ray physicist duties; two groups A och B	AC	Huddinge
Thu	29-jan	09.00-11.00	The Medical Physicist in practice	AS	Huddinge
		12.30-13.30	Dental Radiology	NK	Huddinge
		13.45-14.45	Radiation Protection	AA	Huddinge
		15.00-17.00	Ultrasound	ASE	Huddinge
Fri	30-jan	9.00-12.00	DICOM	GP, RV	GKS D1/D2 + TC or Library
		13.00-14.15	New X-ray technologies	GP	CCK - MSF library
		14.30-15.45	Quality Management System and deviation reporting	SMK	CCK - MSF library
Mon	02-feb	09.30-10.30	Seminars Introduction and group work	AK, SMK	GKS D1/D2 + TC or Library
Tue	03-feb	10.30-16.30	Seminars: group work	AK, SMK	GKS D1/D2 + TC or Library
Wed	04-feb	09.00-11.00	Seminars: group work and support hour	AK, SMK	GKS D1/D2 + TC or Library
		12.00-16.30	Seminars: group work and support hour	AK, SMK	GKS D1/D2 + TC or Library
Thu	05-feb	08.30-11.30	Seminars presentations	AK, SMK	GKS D1/D2 + TC or Library
Fri	06-feb	10.00-12.00	Review questions	All	CCK - MSF library
Mon	09-feb		Back-up time		
Tue	10-feb		Back-up time		
Wed	11-feb				
Thu	12-feb				
Fri	13-feb				
Mon	**16-feb**	**9.00-14.00**	**Examination**		CCK - Bo Nilssonsalen

Teachers

AA	Ali Al-Jandeel
AC	Axel Carlbring
AK	Angeliki Karambatsakidou
AO	Artur Omar
AS	Albert Sundvall
ASE	Andreas Selin
DT	Daniel Thor
EA	Edward Azavedo
EN	Eva Nordenskjöld-Kvanta
EW	Erik Wåhlin
FSM	Francisco Sanchez Montiel
GP	Gavin Poludnowski
JSN	Jörgen Scherp Nilsson
LB	Louise Blomkvist
MH	Markus Hulthén
NK	Nils Kadesjö
PCJ	Paulina Cewe Jönsson
PH	Pierre Hillergren
RV	Robert Vorbau
SMK	Shahla Mobini Kesheh

SU= Stockholm University

Primary contact persons.

AK	Angeliki Karambatsakidou
MT	Maj Tapper
SM	Sofia Magrioteli