FACULTY OF RADIOLOGISTS

TRAINING PROGRAMME IN DIAGNOSTIC RADIOLOGY

PART I TUTORIAL SCHEDULE

2018/2019

<u>Lectures will commence at 2.00pm unless otherwise stated</u>

<u>Anatomy lectures will be in the Department of Anatomy Lecture Theatre,</u>

<u>Main College, RCSI</u>

DATE	<u>TUTOR</u>	<u>SUBJECT</u>
August 2018		
Monday 27th 2.00pm 3.00pm	Anatomy Staff	CHEST: Anatomy
28th & 29th August 2018	Ultrasound Course	Attendance on one day only - Please see which day you are listed to attend
Thursday 30th August		
2.00pm	Anatomy Staff	ABDOMEN: Anatomy (foregut, midgut)
3.00pm	Dr J. Masterson	CHEST: Basic principles of chest imaging / basic anatomy /Vascular Anatomy, CT Anatomy
4pm	Training Programme Coordinator	Introduction
September 2018		
Monday 3rd Sept VENUE: Room 321 No. 26 2.00pm	Dr Geraldine O'Reilly	Introduction to Physics Programme Overview
3.00pm	Dr. Jennie Cooke	Introduction to EM Spectrum, Matter & Energy Levels; band structure in solids
4.00pm		
Thursday 6th September		
2.00pm	Mr. Dara Murphy	Interaction of Radiation with Matter (1): Main mechanisms at diagnostic energies
3.00pm	Mr. Dara Murphy	Interaction of Radiation with Matter (2): Beer's Law, Exponential Attenuation, Absorption/HVL/TVL Interaction of Radiation with Matter: Factors affecting
		Attenuation & Scatter

Monday 10 th September		
2:00pm	Dr Geraldine O'Reilly	X-ray Image formation. Concepts & Detectors (incl. Fluorescence, Phosphoresence)
3.00pm	Dr. Geraldine O'Reilly	Interaction of Radiation with Matter: Optimisation of Contrast 1
4.00pm	Dr Pat Kenny	Digital Images: Part 2
Thursday 13 th September Venue: Room 422 No. 26 2:00pm	Dr Geraldine O'Reilly (Additional Slot)	Optimisation
3.00pm		
4.00pm	Dr Pat Kenny (completion of lecture from Monday 10th Sept)	Digital Images: Part 2 – completion of lecture from 10 th Sept
Monday 17 th September Venue: TR1 2:00pm 3.00pm 4.00pm	Mr Pat Cooney Mr Pat Cooney Mr. Pat Cooney	Production & Properties of X-Rays Part 1 Production & Properties of X-Rays Part 2 X-Ray Tubes/special features/Focal Spot/Rating/X-ray tubes for Special Applications (incl. Angiography, CT, Mammography etc.); Special filters; X- ray generators
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Thurs 20 th September 2:00pm	Anatomy Staff	ABDOMEN: Anatomy (hindgut, kidneys, post abd wall)
3:00pm	Mr. Niall Phelan	Mammographic Physics & Equipment 1
4.00pm	Mr Niall Phelan	Mammographic Physics & Equipment 2
Monday 24th September		
	Lecture from Visiting SAR	
Thursday 27th September	NO Lectures - ASM	

October 2018		
Monday 1st October Should be SJH at all times 2:00pm	Mr Colin Walsh	Geometrical Factors and Unsharpness in Radiography
3:00pm	Mr Dermot Gorman	Overview of Equipment
4.00pm	Mr. Colin Walsh/Mr. Dermot Gorman/ Dr Jennie Cooke	Demonstration of X-Ray Equipment
Thursday 4th October		
2:00pm	Dr. Lynn Gaynor (D Costello giving lecture instead)	Digital Acquisition Systems 1: Computed Radiography
3.00 pm	Dr. Lynn Gaynor(D Costello giving lecture instead)	Digital Acquisition Systems 2: Direct digital systems
4.00pm	Dr. Lesley Malone	Image Intensifier – TV Systems
Monday 8 th October 2:00pm	Dr Pat Kenny	Image Quality 1: Spatial Resolution, Contrast Resolution & Artefacts (Analogue)
3.00 pm	Dr Pat Kenny	Image Quality 2: Spatial Resolution, Contrast Resolution, Artefacts etc (Digital)
4.00pm	Dr.Ronan Faulkner	AEC
Thursday 11 th October 2:00pm	Dr. Pat Kenny	Optimisation of Contrast: Selection of radiographic parameters
3.00pm	Dr. Brian Daragh Murphy	ABDOMEN: Ultrasound
4.00pm		Anatomy/Technique
Monday 15 th October		
2:00pm	Dr Lesley Malone	Image Intensifier – TV Systems 2 including full fluoroscopy systems
3.00pm	Dr Lesley Malone	Digital Acquisition Systems 3: Technology for DSA and Digital Fluorography
4pm	Ms.Aoife Gallagher	Tomography (excl. CT) – Introduction to CT

Thursday & Friday 18 th & 19 th October All Day	Physics	Radiation Protection Seminar
Monday 22 nd October		
Tutorial Room in Use	NO Lectures Train the Trainers	NO Lectures Train the Trainers
Thursday 25 th October Venue: see below 2:00pm (Harold Browne LT)	Anatomy Staff	PELVIS: Anatomy (Male & Female)
3.30pm (TR4)	Dr Ronan McDermott	ABDOMEN: Anatomy 1 - GI/Liver/Pancreas/Barium/CT/MRI GI radiology
Monday 29th October	Bank Holiday	
November 2017		
Thursday 1st November		
2.00pm	Dr David McInerney	MSK Foot and Ankle: Anatomy & Techniques
3:30pm	Dr Robin Gibney	ABDOMEN: Liver and biliary anatomy
Monday 5th November		
2:00pm	Dr Lesley Malone	Flat panel fluoroscopy systems
3:00pm	Dr. Louise Bowden	Theory of gas detectors, scintillation detectors, PMTs solid state detectors: use in radiology
4:00pm	Dr. Louise Bowden	Radiation detectors for nuclear medicine and general purposes
Thursday 8 th November Venue: see below 2:00pm (Harold Browne LT)	Anatomy Staff	MSK – Upper Limb
3.00 pm (Room 321 No. 26)	Dr Martin Shelly	ABDOMEN: Anatomy - Vascular and CT, GI/Liver/Pancreas/Barium/CT/MRI
4.00pm		

Monday 12 th November		
2:00pm	Ms Aoife Gallagher	Artefacts in CT
3:00pm	Ms.Aoife Gallagher	Helical & Multi Slice Scanners
4.00pm	Ms.Aoife Gallagher	CT Scanners: reconstruction of images from projections
Thursday 15th November		
2:00pm (Harold Browne LT)	Anatomy Staff	MSK: Lower limb
3.30 pm	Dr Ronan Browne	ABDOMEN: GI/GU Interventional Techniques
Monday 19th November		
2:00pm	Ms. Jackie McCavana	Generators, common radiopharmaceuticals Kits & techniques; radiopharmacy design
3.00pm	Dr Jennie Cooke	Gamma cameras and data processing systems
4:00pm	Dr Jennie Cooke	SPECT CT Systems
Thursday 22 nd November		
2:00pm	Mr.Don Carey	Modes of Radioactive Decay - Radiation Units
3.00pm	Dr Geraldine O'Reilly	Interaction of Radiation with Matter: Subject Contrast; Scatter Radiation
4.00pm		
Monday 26 th November		
2:00pm	Dr. Louise Bowden	DXA Scanners
3.00 pm	Dr. Louise Bowden	Display Technologies
4.00pm	Mr.Don Carey	QA Nuclear Medicine
Thursday 29 th November	RSNA Week	NO LECTURE TODAY
December 2017		

Monday 3 rd December		
Venue: VC Room, 123 SSG	Du Canaldina O'Daille	Name Applications in CT (Part 1)
2:00pm	Dr. Geraldine O'Reilly	New Applications in CT (Part 1)
3.00pm	Dr. Geraldine O'Reilly	New Applications in CT (Part 2)
4.00pm	Dr. Lesley Malone	Radionuclide Dosimetry
Thursday 6 th December All Day	IR Skills Course	Faculty Tutorial Room & Surgical Skills Lab
Monday 10 th December		
2:00pm	Dr. Pat Kenny	Mock Physics MCQ
3.00pm	Ms Anita Dowling	QA: in general radiography & fluoroscopy
4.00pm	Ms. Colin Walsh	Iterative Reconstruction
Thursday 13 th December 1.30pm	National Training Coordinator	MCQ
2.00pm	Dr Patricia Cunningham	MSK: Upper limb: Anatomy and Techniques
3.00pm	Dr Joan Heneghan	PELVIS: Anatomy/Technique (Female and MSK)
4.00pm	Dr. Brian Hogan	MSK: Upper limb: Anatomy and Techniques –
Monday 17 th December		
2:00pm	Dr. Geraldine O'Reilly	Radionuclide Therapy in a Diagnostic Imaging Department
3.00pm	Ms. Jackie McCavana	Tutorial: radiation protection & technical and practical aspects of nuclear medicine
4.15pm	Dr Neasa Ni Mhuircheartaigh	CHEST: CT thorax. Technique and Anatomy
Thursday 21st December	Christmas Holidays	
January 2019		
Tuesday 1 st January	Bank Holiday	

Thursday 3 rd January		
2:00pm (Harold Browne LT)	Anatomy Staff	NEURO: Anatomy – Brain & Spine
3.30 pm (Faculty Tutorial Room)	Dr Stephanie Ryan	PAEDIATRICS: Anatomy and Techniques
Monday 7 th January		
2:00pm	Dr Julie Lucey	PET 1
3.00pm	Dr Julie Lucey	PET 2
4:15pm	Dr. Pat Kenny	3D Images, planar reformatting, 3D rendering, MIP, surface rendering, volume rendering
Thursday& Friday 10 th & 11 th January Venue: Faculty Tutorial Room	Ultrasound Seminar (Physics)	Ultrasound Seminar
Monday 14 th January		
2:00pm	Dr. Gerard Boyle	T1, T2 relaxation mechanisms
3.00pm	Dr. Gerard Boyle	Basic Physics of MRI
4:00pm	Dr. Gerard Boyle	MRI equipment
Thursday 17 th January Venue: TR1 2:00pm	Dr. S. Looby	NEURO: Skull and Skull Base – Part I
3:00pm	Dr. S. Looby	NEURO: Skull and Skull Base Part II
4:00pm	Dr Anthony Ryan	INTERVENTION: Arterial
		Anatomy/Techniques
Monday 21st January		
2:00pm	Dr. Gerard Boyle	MRI Advanced sequences
3.00pm	Dr. Gerard Boyle	Pulse sequences and contrast 1
4:00pm	Dr. Gerard Boyle	MRI Pulse Sequences & Contrast 2

Thursday 24th January 2:00pm (Harold Browne LT) 3:30pm Venue: Faculty Tutorial Room	Anatomy Staff Dr. Sarah Power	NEURO: Anatomy – Head & Neck NEURO: Cerebral & Spinal Angiography Anatomy & Techniques
Monday 28th January		
2:00pm	Dr.Pat Kenny	Revision Tutorial 3: Contrast.
3.00 pm	Mr. Dermot Gorman	Revision Tutorial 4: X-Ray Tubes &Equipment.
4:00pm	Dr.Lynn Gaynor	Revision Tutorial 1: Interaction of Radiation with matter.
Thursday 31st January		
2.30pm	Faculty Tutorial Room in Use	Faculty Tutorial Room in Use
3.45 / 4:00pm		

February 2019		
Monday 4 th February		
2:00pm	Dr. James Griffin	HEAD & NECK: Anatomy/Radiology Part I
3.00 pm	Diagnostic Lecture	TBC
4:00pm	Dr David Murphy	CHEST: High Resolution CT, Thoracic Intervention
Thursday 7th February		
2:00 pm (Harold Browne LT)	Anatomy Staff	Anatomy – ENT
3.30 pm (Faculty Tutorial Rm)	Dr. S. Skehan	NUCLEAR MEDICINE: Cardiac and Lung Scintigraphy
Monday 11 th February		
2:00pm	Mr.Colin Walsh	Revision Tutorial 6: II/TV/ Fluoroscopic Systems
3.00 pm	Mr Colin Walsh	Revision Tutorial 5: CT
4:00pm	Ms. Una O'Connor	Equipment specification, purchase and commissioning
Thursday 14th February All Day Venue: TR8 & Faculty Training Room	Mock Exams	RCSI (TR8, Main College and Faculty Tutorial Room)
Monday 18th February		
2:00pm	Dr. Gerard Boyle	MRI Image Formation
3.00 pm	Dr. Gerard Boyle	MRI gradient echo
4.15pm	Dr Gerard Boyle	MRI – Flow / Angiography
Thursday 21st February 2:00pm	Dr Martin O'Connell	NUCLEAR MEDICINE: Positron Emission Tomography
3.30 pm	Dr. John Feeney	NUCLEAR MEDICINE: Equipment and Techniques

Monday 25 th February 2:00pm	Dr. Lesley Malone	MRI Safety 1
3.00 pm	Dr. Lesley Malone	MRI Safety 2
4.15pm	Mr Pat Cooney	Revision Tutorial 2: Radiographic and Fluoroscopic Technology.
Thursday 28 th Feb Venue: SVUH 2.00pm 3.00pm 4.00pm	Dr D. Brophy	INTERVENTION: Vascular anatomy - neck, chest, abdomen and pelvis
March 2019		
Monday 4 th March		
2:00pm	Dr. Gerard Boyle	MRI
3:00pm	Dr. Gerard Boyle	MRI
4:00pm	Mr. David Costello	MRI – Artifacts
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Thursday 7 th March Venue: SJH 2.00pm	Dr. James Meaney	MRI: Applied MRI 1
3:00pm	Dr. James Meaney	MRI: Applied MRI 2
4.00pm	Dr Niall McEniff	INTERVENTION: Non-vascular Interventions
Monday 11 th March		
2.00pm	Dr. Geraldine O'Reilly	Revision Tutorial 7: Radiation Protection (incl. units)
3.00pm	Dr Pat Kenny	Revision Tutorial 11 MRI
4.00pm	Dr. Lesley Malone	Revision Tutorial 12 Digital Imaging
Thursday 14 th March Venue: TR4		
2.00 pm	Prof. Jonathan Dodd	CHEST: Cardiac Anatomy/Techniques 1
3:00pm	Prof. Jonathan Dodd	CHEST: Cardiac Anatomy/Techniques 2

Monday 18th March	Bank Ho	liday
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Thursday 21st March Venue: TR1 2:00pm	Dr. Brendan Hogan	NUCLEAR MEDICINE: Bone/Endocrine/Hepatobiliary/Other
3.00pm	Dr Patricia Cunningham	MSK: Lower limb: Anatomy and Techniques
4.00pm	Dr. Eilish Twomey	PAEDIATRICS: Anatomy & Techniques
Monday 25th March		
2.00pm	Mr.Dara Murphy	Revision Tutorial 9: Nuclear Medicine (Physics & Pharmacy).
3:00pm	Mr. Dara Murphy	Revision Tutorial 10 Nuclear Medicine Equipment
4.00pm	Ms Anita Dowling	Revision Tutorial 8: QA in Radiology/Fluoroscopy
Thursday 28 th March 2.00pm	Dr David Rea	PAEDIATRICS: Anatomy and Techniques
3.30pm	Dr Seamus Looby	NEURO: Cortical and Sulcal Anatomy
		NEURO: ENT Radiological Anatomy
<u>April 2019</u>		
Monday 1st April		
2.00pm	Dr Sean Cournane	Revision Tutorial 13: Ultrasound (Physics)
3.00pm	Dr. Neil O'Hare	PACS 1
4.00pm	Dr. Neil O'Hare	PACS 2

Thursday 4 th April 2.00pm 3.00pm 4.00pm	Dr Conor Shortt Dr Conor Shortt	MSK – Shoulder MSK - Knee
Monday 8 th April Faculty Tutorial Room not available	Part II Exams (Final FFR)	Part II Exams (Final FFR)
Thursday 11 th April 2.00pm 3.30pm	Dr James Griffin Dr Frank McGrath	Anatomy – Head & Neck Radiology Part II MSK: Lower limb: Anatomy and Techniques
Monday 15 th April 2.00pm 3.00pm 4.00pm	Dr. Gerard Boyle Dr. Gerard Boyle Dr. Gerard Boyle	MRI MRI MRI

Thursday 18 th April 2.00pm	Dr. Sebastian McWilliams	NEURO: Spine Part I
3.00pm	Dr. Sebastian McWilliams	NEURO: Spine Part II
4.00pm		
Sunday 21 April	Easter B	reak
Monday 22 nd April	Bank Holiday	
Thursday 25 th April 2018 2.00 pm	Dr. Gerard Boyle	MRI
3.00 pm	Prof. Jonathon Dodd	Cardiac MRI
4.00 pm	Diagnostic Lecture	TBC
Monday 29 th April Nightingale Lecture Theatre		
2.00pm	Prof M. McNicholas	PELVIS: Anatomy (Male)
3.00pm	Prof M. McNicholas	ABDOMEN: Cross-sectional interventional techniques
4.00pm	Dr. Ronan McDermott	ABDOMEN: CT/MR Techniques
<u>May 2019</u>		
Thursday 2nd May 2.00pm	Prof Max F. Ryan	Mammographic techniques, breast ultrasound and intervention
3.00pm	Dr Carmel Cronin	Retroperitoneum and renal anatomy
4.00pm	TBC	MSK: Intervention

Monday 6 th May TO BE CONFIRMED	Bank	
Thursday 9 th May/Friday 10 th May TO BE CONFIRMED	FFR Primary Exams	RCSI College & Faculty Tutorial Room
	FFR Primary Exams	RCSI College & Faculty Tutorial Room
Thursday 17 th & Friday 18 th May TO BE CONFIRMED	Final FFR Radiotherapy	RCSI College & Faculty Tutorial Room
24th May 2018 Brookfield, UCC	Emergency Medicine Course	Cork
6 th June 12 th June Proposed Dates – Subject to Change	SpR Assessments	Faculty Tutorial Room (All Dublin)

Yellow Highlighted items Text in Pink

TO BE CONFIRMED

To be changed to another date