

Zoom Webinar 2022

Faculty of Radiologists Irish MRI Meeting

29th January 2022

Hot Topics in MRI



6 External CPD credits have been awarded by the Faculty of Radiologists.

Please note that CPD certificates will be forwarded during the week following the meeting



RCSI FACULTY OF
RADIOLOGISTS

08:45

09:00

09:10

10:40

11:00

12:30

13:30

15:00

15:20

16:50



Zoom Webinar

08:45 **Meeting Opens**

09:00 **Welcome Address**

09:10 **Session 1: Image Optimisation**

Moderator: Dr Peter Ball / Royal Victoria Hospital

How to get the most from your existing magnet...

09:10 There's life in the old dog yet

Mrs Heather Cairns / Ulster Independent Clinic

09:30 Parallel Imaging

Asst. Prof Andrea Cradock / University College Dublin

09:50 Artefacts at 3T

Dr Teresa Victoria / Children's Hospital of Philadelphia

10:10 Imaging the obese and claustrophobic patient

Ms Laura Moyles / National Maternity Hospital

10:30 Question & Answer Session

10:40 **BREAK**

11:00 **Session 2: Abdominal MRI**

Moderator: Darragh Halpenny / Tallaght University Hospital

11:00 MRI Imaging of Perianal Fistula

Dr Aoife Kilcoyne / Massachusetts General Hospital

11:20 MRI of the small bowel

Dr Michael S Gee / Massachusetts General Hospital

11:40 Rectal Staging

Dr Mark T Knox / St James's Hospital

12:00 MRI of diffuse liver disease

Dr Gerard Healy / University Health Network

12:20 Question & Answer Session

12:30 **LUNCH**

13:30	Session 3: Above the Diaphragm	Moderator: Dr Carole Ridge / Royal Brompton Hospital & Harefield NHS Foundation Trust
13:30	MRI neck for the Generalist	Dr Gavin Briggs / Hermitage Medical Clinical
13:50	MRI of Mediastinal Masses	Dr Carole Ridge / Royal Brompton Hospital & Harefield NHS Foundation Trust
14:10	MRI Safety and Implanted Devices	Dr Robert E. Watson Jr. / Mayo Clinic
14:30	Cardiac Mass Evaluation with MRI	Dr David Murphy / St Vincent's University Hospital
14:50	Question & Answer Session	
15:00	Break	
15:20	Session 4: And finally...	Moderator: Prof Peter Beddy / St James's Hospital
15:20	Neurological Emergencies - Which sequence when?	Dr John Walsh / Tallaght University Hospital Dr Jeanne "Mei Mei" Chow / Boston Children's Hospital & Harvard Medical School
15:40	MR Urography	
16:00	MRI of Pancreatic Cystic Neoplasms	Dr Stephen Liddy / Tallaght University Hospital
16:20	Introduction to PET/MR	Dr Elisabeth O'Dwyer / Weill Cornell Medicine & New York Presbyterian
16:40	Question & Answer Session	
16:50	Closing Remarks	

Poster Display List

Poster Display No. 1

Acetabular paralabral cysts demonstrating perineural propagation

C McCarthy¹ J Hynes², E Kavanagh²,
1RCSI, Dublin;

2Dept of Radiology, National Orthopaedic Hospital Cappagh, Dublin

Poster Display No. 2

Red flags Interventional Radiologists need to recognise and pitfalls to avoid in the assessment of a patient's Pelvic MRI when assessing their suitability for uterine artery embolisation; a pictorial review.

R. Hayden, I. Irvine, L. Greene, M. Bolger, C. Byrne, J. Heneghan, A.G. Ryan
Department of Radiology, University Hospital Waterford

Poster Display No. 3

The use of MRI for the evaluation of acute abdominal pain in pregnancy.

PJ Dempsey, FT Delaney, T Geoghegan, L Lawler, F Bolster.

Radiology department, Mater Misericordiae University Hospital, Dublin

Poster Display No. 4

Preparing MR Images for use in Machine Learning pipelines

Brendan Kelly¹, R Killeen¹, P Mathur², A Lawlor²

1Department of Radiology, St Vincent's University Hospital

2Insight Centre for Data Analytics, UCD

Poster Display No. 5

The Central Vein sign: A novel biomarker for Multiple Sclerosis

S Murphy¹, M Gaughan², B Gaffney², R Killeen², C McGuigan²

1Mater Misericordiae University Hospital

2 St Vincent's University Hospital

Poster Display No. 6

The role of MRI in evaluating and guiding management of prostatic infection: A pictorial review.

J.Lee, T.Anderson, W.Torreggiani

Department of Radiology, Tallaght University Hospital, Dublin 24

Poster Display List Contd.

Poster Display No. 7

Gibbs' Artefact - Practical diagnostic considerations in MR imaging, the mathematics of the Fourier series convergence of periodic functions at jump discontinuities, and a brief homage to Dr. Josiah Willard Gibbs, 19th Century mathematician and theoretical physicist.

Shane M. Crilly,

Department of Diagnostic Radiology, Saint Vincent's University Hospital, Dublin 4

Poster Display No. 8

A brief introduction to Maxwell's Equations for the Radiologist: the Vector Calculus of Electromagnetism as an underpinning for the study of MRI physics and practical considerations thereof.

Shane M. Crilly,

Department of Diagnostic Radiology, St Vincent's University Hospital, Dublin 4

Poster Display No. 9

Follow up of BIRADS 3 lesions identified on breast MRI performed for cancer staging.

C Byrne, A Buckley, L Murphy,

Department of Radiology, Mater Misericordiae University Hospital, Dublin.

Poster Display No. 10

How to interpret an MRI Liver: a structured approach for reducing perceptual errors.

DT Ryan, H Dillon, R Ryan, S Skehan, L Lavelle, S McEvoy

Radiology Department, St Vincent's University Hospital, Elm Park, Dublin 4.

Poster Display No. 11

The use of Three-dimensional Fast-spin-echo (3D-FSE) MRI sequences with multi-planar reformation for the diagnosis of cartilage defects in the knee: a review of the available literature and a statistical analysis.

S.M. Crilly,

Department of Diagnostic Radiology, Saint Vincent's University Hospital, Dublin 4

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