

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

There's life in the old dog yet...How to get the most

09:10 from your existing magnet

Mrs Heather Cairns / Ulster Independent Clinic

09:30 Parallel Imaging of Abdomen

Prof Andrea Cradock / University College Dublin

09:50 Artefacts at 3T

Dr Teresa Victoria / Children's Hospital of Philadelphia

10:10 Imaging obese and claustrophobic patients

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 of fistulae

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

12:00 MRI of diffuse liver disease

Dr Gerard Healy / University Health Network

12:20 Question & Answer Session

## 12:30 **LUNCH**

13:30	<b>Session 3: Above the Diaphragm</b>	Moderator: Dr Carole Ridge / Royal Brompton and Harefield Hospitals
13:30	MRI neck for the generalist	Dr Gavin Briggs / Hermitage Dublin and Craigavon Area Hospital
13:50	Mediastinal MRI	Dr Carole Ridge / Royal Brompton Hospital
14:10	MRI Safety and Implanted Devices	Dr Robert E. Watson Jr. / Mayo Clinic
14:30	MRI of cardiac masses	Dr David Murphy / St Vincent's University Hospital
14:50	Question & Answer Session	
15:00	<b>Break</b>	
15:20	<b>Session 4: And finally...</b>	Moderator: Prof Peter Beddy / St James's Hospital
15:20	Neuro emergencies	Dr John Walsh
15:40	MRU: How I do it	Dr Jeanne "Mei Mei" Chow / Boston Children's Hospital and Harvard Medical School
16:00	Cystic lesions of the pancreas	Dr Stephen Liddy
16:20	Introduction to PET/MRI	Dr Elisabeth O'Dwyer / Weill Cornell Medicine / New York Presbyterian
16:40	Question & Answer Session	
16:50	<b>Closing Remarks</b>	

# Poster Display List

## **Poster Display No. 1**

### **Acetabular paralabral cysts demonstrating perineural propagation**

C McCarthy<sup>1</sup> J Hynes<sup>2</sup>, E Kavanagh<sup>2</sup>,  
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 Kelly<sup>1</sup>, R Killeen<sup>1</sup>, P Mathur<sup>2</sup>, A Lawlor<sup>2</sup>

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 Murphy<sup>1</sup>, M Gaughan<sup>2</sup>, B Gaffney<sup>2</sup>, R Killeen<sup>2</sup>, C McGuigan<sup>2</sup>

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

# Notes

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