

# IPEM MR Safety Expert Online Course 2025 – Day One

Monday 24<sup>th</sup> March – Online

13:00 – 13:10	Introduction Daniel Wilson, Leeds Teaching Hospitals NHS Trust
13:10 – 14:10	Legislation and Guidance Breakout room introduction Roles and Responsibilities <i>Rebecca Quest, Imperial College Healthcare NHS Trust</i>
14:10 – 14:25	Break
14:25 – 15:15	Basic Physics I <i>Anastasia Papadaki, University College London Hospitals NHS Foundation Trust &amp; Daniel Wilson</i>
15:15 – 15:30	Break
15:30 – 16:15	Basic Physics II – B0, B1, SAR <i>Martin Graves, Cambridge University Hospitals NHS Foundation Trust</i>
16:15-16:25	Break
16:25 -17:05	Basic Physics III – SAR modelling, RF Shimming <i>Martin Graves, Cambridge University Hospitals NHS Foundation Trust</i>

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# IPEM MR Safety Expert Online Course 2025 – Day Two

Tuesday 25<sup>th</sup> March – Online

13:00 – 13:40	Basic Physics IV – SAR reduction, gradients and acoustic noise <i>John Thornton, University College London Hospitals NHS Foundation Trust</i>
13:40 – 13:55	Break
13:55 – 15:15	Interaction of EM Fields with the Human Body <i>Steve Keevil, Guys and St Thomas NHS Foundation Trust &amp; Penny Gowland, University of Nottingham to field any questions</i>
15:15 – 15:30	Break
15:30 – 17:00	Legislation and Guidance <i>Steve Keevil, Guy's and St Thomas' NHS Foundation Trust</i>

# IPEM MR Safety Expert Online Course 2025 – Day Three

Wednesday 26<sup>th</sup> March – Online

13:00 – 14:20	Bioeffects of Static Magnetic field/ Pregnancy effects <i>Penny Gowland, University of Nottingham</i>
14:20 – 14:30	Break
14:30 – 15:30	Interactive Session: Biological Effects
15:30 – 15:40	Break
15:40 – 16:20	Static Magnetic Field and Interactions with Implants-part one <i>Anastasia Papadaki, University College London Hospitals NHS Foundation Trust</i>
16:20 – 16:30	Break
16:30 – 17:05	Static Magnetic Field and Interactions with Implants- part two <i>Anastasia Papadaki, University College London Hospitals NHS Foundation Trust</i>

# IPEM MR Safety Expert Online Course 2025 – Day Four

Thursday 27<sup>th</sup> March – Online

13:00 – 13:30	RF Field Interactions with Implants-part one <i>Geoff Charles-Edwards, Guy's and St Thomas' NHS Foundation Trust</i>
13:30 – 13:40	Break
13:40 – 14:10	RF Field Interactions with Implants—part two <i>Geoff Charles-Edwards, Guy's and St Thomas' NHS Foundation Trust</i>
14:10 – 14:20	Break
14:20 – 15:00	MR Imaging Gradients and Interactions with Implants <i>Geoff Charles-Edwards, Guy's and St Thomas' NHS Foundation Trust</i>
15:00 – 15:10	Break
15:10 – 15:50	Scanning Patient with Implants without the manufacturer's assurance of MRI Safety & other Complexities <i>Geoff Charles-Edwards, Guy's and St Thomas' NHS Foundation Trust</i>
15:50 – 16:00	Break
16:00 – 17:20	Interactive Session: Implants and Foreign Body

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# IPEM MR Safety Expert Online Course 2025 – Day Five

Friday 28<sup>th</sup> March – Online

13:00 – 13:05	Final day introduction
13:05 – 13:50	Safety Frameworks <i>Rebecca Quest, Imperial College Healthcare NHS Trust</i>
13:50 – 14:00	Break
14:00 – 14:35	Screening, Specialist Areas, Contrast Agents <i>Rebecca Quest, Imperial College Healthcare NHS Trust</i>
14:35 – 14:45	Break
14:45 – 15:30	Site Planning and Cryogenics <i>Rebecca Quest, Imperial College Healthcare NHS Trust</i>
15:30 – 15:40	Break
15:40 – 16:40	Interactive Session – Site Planning
16:40 – 16:45	Course Wrap Up/ Q+A <i>Daniel Wilson, Leeds Teaching Hospitals NHS Trust</i>

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