This is a CPD-focused meeting designed to provide diagnostic radiology and radiation protection physicists and interested radiographers with an update on digital radiography (CR and DR) dosimetry, image quality measurement and an understanding of what is required to optimise digital radiography procedures.

Educational aims:
1. To provide an update on relevant technological developments in digital radiography
2. To provide an update on image quality measurement
3. To provide an update on measures of radiation dose
4. To explore the balance between image quality and dose in digital radiography
5. To provide attendees with practical advice for optimising imaging quality and radiation dose

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:20</td>
<td>Registration and refreshments</td>
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<tr>
<td>09:50</td>
<td>Introduction</td>
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<tr>
<td>Chair:</td>
<td>Mr David Platten, Clinical Scientist, Northampton General Hospital</td>
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<tr>
<td>10:00</td>
<td>MANAGEMENT OF OPTIMISATION</td>
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<tr>
<td></td>
<td>How to manage optimisation in digital radiography</td>
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<tr>
<td></td>
<td>Dr Craig Moore, Hull &amp; East Yorkshire Hospitals NHS Trust</td>
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<tr>
<td>10:20</td>
<td>A CLINICAL PERSPECTIVE</td>
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<td>Clinical image quality requirements</td>
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<td>Speaker to be confirmed</td>
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<td>10:40</td>
<td>Practical aspects of optimisation</td>
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<td></td>
<td>Mr Michael Fell, Senior I Radiographer with Advanced Practice, Milton Keynes General Hospital</td>
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<td>Refreshments</td>
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<td>EQUIPMENT FACTORS</td>
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<td>11:20</td>
<td>The role of detector technology</td>
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<td>Mr David Platten, Northampton General Hospital</td>
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<td>11:40</td>
<td>MEASURING IMAGE QUALITY AND DOSE</td>
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<td>Radiation dose metrics (patient and detector)</td>
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<td>Dr Tim Wood, Principal Physicist / RPA / MPE, Hull &amp; East Yorkshire Hospitals NHS Trust</td>
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<td>12:00</td>
<td>Equipment-based measures of image quality</td>
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<td>Mr David Platten, Clinical Scientist, Northampton General Hospital</td>
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<td>12:20</td>
<td>Setting up of automatic exposure control</td>
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<td>Mr David Platten, Clinical Scientist, Northampton General Hospital</td>
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<td>Lunch</td>
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<td>Patient radiation dose audit</td>
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<td>Dr Tim Wood, Principal Physicist / RPA / MPE, Hull &amp; East Yorkshire Hospitals NHS Trust</td>
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<td></td>
<td>Dr Alistair Mackenzie, Research Physicist, Royal Surrey County Hospital</td>
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<td>14:20</td>
<td>What can be done in clinical practice</td>
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<td>14:40</td>
<td>Refreshments</td>
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<td>Case studies</td>
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<td>Image simulation and modelling</td>
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<td>Dr Alistair Mackenzie, Research Physicist, Royal Surrey County Hospital</td>
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<td>The future</td>
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<td>Dr Alistair Mackenzie, Research Physicist, Royal Surrey County Hospital</td>
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<td>16:20</td>
<td>Discussion</td>
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**Registration fees**

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<th>Category</th>
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<tr>
<td>Non-BIR member</td>
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<tr>
<td>BIR Consultant member</td>
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<td>BIR Non-Consultant member</td>
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<td>BIR Trainee member</td>
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<td>BIR Retired/Student member</td>
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OPTIMISATION IN DIGITAL RADIOGRAPHY
British Dental Association, 64 Wimpole Street, London, W1G 8YS

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Nearest bus routes: 6, 7, 10, 13, 15, 23, 25, 30, 55, 73, 94, 98, 113, 137, 139, 159, 175, 189, 274, 390 are all within walking distance to the BDA.

BY CAR
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BY FOOT
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