The Nuclear Medicine and Molecular Imaging Advisory Group (NMMAG) is currently chaired by Angela Meadows with the support of the Vice Chair, Penny Delf. SCoR professional officer support by Sue Johnson and SCoR administrative support provided by Valerie Asemah. NMMAG changed its name from the Nuclear Medicine Advisory Group (NMAG) to the Nuclear Medicine and Molecular Imaging Advisory Group to reflect the wider work within this speciality.

In order to provide the widest possible range of feedback the membership of the group includes a diverse mix of SoR members from the radiographic workforce of various grades, specialties and experience from across the four countries of the UK.

During 2018 NMMAG welcomed Claire Moody (ARSAC Representative), Frances Hogg (IPEM Liaison) and Rayjanah Allie and Sarah Stace in advisory capacities. We currently have a vacancy seat for a representative to act as BNMS liaison.

<table>
<thead>
<tr>
<th>Members:</th>
<th>Role</th>
<th>Job Title</th>
<th>Site</th>
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</thead>
<tbody>
<tr>
<td>Angela Meadows (AM)</td>
<td>Chair</td>
<td>Radiographer / Unit Manager</td>
<td>Royal Preston Hospital</td>
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<tr>
<td>Penny Delf (PD)</td>
<td>Vice Chair</td>
<td>Senior Lecturer</td>
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<tr>
<td>Christopher Kalinka (CK)</td>
<td>UK Council</td>
<td>UK Council</td>
<td>Royal Glamorgan Hospital</td>
</tr>
<tr>
<td>Clare Moody (CM)</td>
<td>ARSAC Representative</td>
<td>Radiographer</td>
<td>Royal Victoria Infirmary</td>
</tr>
<tr>
<td>Tristan Barnden (TB)</td>
<td>Advisory</td>
<td>Radiographer</td>
<td>Maidstone Hospital</td>
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<tr>
<td>David Jones (DJ)</td>
<td>Advisory</td>
<td>Superintendent Radiographer</td>
<td>Wrexham Maelor Hospital</td>
</tr>
<tr>
<td>John Thompson (JT)</td>
<td>Advisory</td>
<td>Radiographer</td>
<td>Furness General Hospital</td>
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<tr>
<td>Jo Weeks (JW)</td>
<td>Advisory</td>
<td>Consultant Radiographer</td>
<td>New Cross Hospital</td>
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<tr>
<td>David Williams (DW)</td>
<td>Advisory</td>
<td>Superintendent Radiographer</td>
<td>Queen Alexandra Hospital</td>
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<tr>
<td>Sarah Slace (SS)</td>
<td>Advisory</td>
<td>Superintendent Radiographer</td>
<td>Withybush General Hospital</td>
</tr>
<tr>
<td>Rayjanah Allie (RA)</td>
<td>Advisory</td>
<td>Radiographer</td>
<td>University College Hospital</td>
</tr>
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</table>

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<tr>
<th>Observers:</th>
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</thead>
<tbody>
<tr>
<td>Sue Johnson (SJ)</td>
<td>Professional Officer</td>
<td>Professional Officer</td>
<td>Society &amp; College of Radiographers</td>
</tr>
<tr>
<td>Valerie Asemah (VA)</td>
<td>Minutes</td>
<td></td>
<td>Society &amp; College of Radiographers</td>
</tr>
<tr>
<td>Sai Han (SH)</td>
<td>Royal College of Physicians - Advisory</td>
<td>Nuclear Medicine Physician</td>
<td>Gartnave General Hospital</td>
</tr>
<tr>
<td>Frances Hogg (FH)</td>
<td>IPEM Liaison</td>
<td></td>
<td>IPEM</td>
</tr>
<tr>
<td>Vacant</td>
<td>BNMS Liaison</td>
<td></td>
<td>BNMS</td>
</tr>
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</table>
Meetings 2018

Two meetings were held during 2018 (March 7th and November 7th); both were well attended. Members unable to attend in person have successfully dialled-in using the new conferencing facilities at the Society Head Quarters as required.

Synapse

All NMMAG members actively contribute via Synapse to comment and provide advice and guidance on key documents circulated for the advisory groups attention. This is in addition to actively working on the NMMAG work plan and attending the bi-annual NMMAG meetings

Activities

NMMAG members responded to consultations on a wide range of draft documents, including those produced by the SCoR, NICE and HEE:

- Consent and MCA guidance (SCoR)
- Communicating Benefit and Risk (SCoR)
- National Occupational Standards (S4H)
- Apprenticeship standards / EPA (Institute for Apprenticeships)
- Long Term Cancer Plan (NHSe)
- Leading a Breast Screening Service (NHSBSP)
- Lung Cancer Standards (NICE)
- Facing the Facts, Shaping the Future (HEE)

NMMAG members represented the SCoR at a range of working groups and at advisory meetings:

- Diagnostic Imaging & Advisory Group (DIAG)
- Medical Radioisotope Round Table Meeting

- Tripartite Nuclear Medicine Group: With three separate organisations representing several facets of the Nuclear Medicine practitioner workforce (i.e. the nonmedical workforce) there are many potential areas of overlap in terms of responses to consultation and guidance on practice. This Roundtable was initiated in order to share intelligence and information which affect all three organisations to prevent duplicated effort.
- As chair for NMMAG, I represent the group by attending the DIAG meetings and ensuring collaboration and sharing of information.
Medical Radioisotope Round Table: The roundtable was created to address previous radioisotope shortages, concern re the withdrawal from EURATOM and pending BREXIT.

- Radioisotopes are essential tools in medicine for both diagnosis and treatment, but rapid radioactive decay means that they cannot be stockpiled.
- Following previous shortages, the NHS has reduced the amount of radioisotopes used through efficiency savings.
- Long-term security of supply may rely on investment and agreements with international producers, or investing in new technology to produce them in the UK.
- The Government has stated that withdrawal from the European Atomic Energy Community (EURATOM) will not affect the UK’s ability to import medical radioisotopes.
- Therapeutic use of radioisotopes is a small field, but expected to grow rapidly in the next decade, as new drugs are developed.

During 2018 NMMAG has also provided feedback to the SCoR on a diverse range of issues through its Professional Officer (Sue Johnson):

- International recruitment
- Apprenticeships
- Imaging and Therapy Practice
- IR(ME)R implementation

**Work Plan 2018 Activities**

- **Creation of PAUSE & CHECK for Molecular Imaging** – Two documents were created, one for radioisotope administration and one for image acquisition.
Arrange a study day for Hybrid Imaging

- Planning for or a Nuclear Medicine and Molecular Imaging Study Day - Arranged for November 5th 2019
- Unfortunately, at the time of writing this report, the event has been cancelled due to limited numbers.

Nuclear medicine and Molecular Imaging Advisory Group (NMMAG) – Member professional links and seats on committees
- Summary details at the end of this report.

Work Plan 2019 Goals

- Continue to seek seats/links/contributions with relevant nuclear medicine and AHP panels assisting with consultations and guidelines (i.e. HTA, NICE) thereby contributing to national agendas
- Improve communication and resources for SoR members working in NM
- Contribute to and support Nuclear Medicine and related publications across the organisation
- Provide an NMMAG Workshop
  - Review interest and consider a Hybrid Imaging workshop approach rather than study day in 2020.
- Develop a PET MR advice document
- Contribute to a collaborative article (for publication) further to the BNMS Spring Meeting 2019, SoR and BNMS jointly chaired session which focussed on “Intravenous Contrast Media in Hybrid Imaging”
- Continue to contribute and support Nuclear Medicine and related publications across the organisation, to include: Radiography, Synergy and relevant articles / information on the NMMAG Webpages.
- Liaise with and pursue opportunities for joint work/presentations/publications with BNMS (RTNG) and IPEM on technologist/radiographer shared issues
- Support the attendance of SoR at BNMS spring meeting
Nuclear medicine and Molecular Imaging Advisory Group (NMMAG) – Member professional links and seats on committees

Angela Meadows
Chair NMMAG
Member of the SCOR DIAG group rep Member of the Tri-partite working party (NMMAG, BNMS & IPEM).
Trainsig NMMAG.
Training & Education Committee Member for Alliance Medical in partnership with the Christie Hospital and the University of Cumbria.

Penny Delf
Vice Chair NMMAG
Member of the Tri-partite working party (NMMAG, BNMS & IPEM).

Dr Sai Han
UK Nuclear Medicine Specialist Advisory Committee (SAC) Member/Scottish Rep
External Adviser, Academy of Medical Royal Colleges and Faculties in Scotland
Scotland CMO’S specialty adviser in Nuclear Medicine NHS Education for Scotland Training Programme Director- Nuclear Medicine
Scottish PET-CT Working Group Member

David Jones
Principle Radiographer – Nuclear Medicine & PET-CT Service, BCUH, North Wales
Appointment with the CQC as ‘Specialist Advisor’.

Chris Kalinka
Member of the CBOT and UK Council SoR
Member of the Welsh Radiographer Mangers Committee
Chair of the Medical Imaging Sub-Committee
Secretary for the Welsh Scientific Advisory Committee
National Imaging Programme Board Imaging Task Force
Imaging Information Management and Technology Sub-committee
Jo Weeks
Research Lead Group - The Royal Wolverhampton NHS Trust and University of Wolverhampton Quality Review Group
Member of Cancer Research UK Advisor Panel
NHS FAB Ambassador for the Royal Wolverhampton NHS Trust

John Thompson
External Examiner Leeds Medical Imaging BSc and MSc
Peer Reviewer for: BJR, Radiography, European Radiology, JMIRS, PLOS One
International Associate Editor JNMT, Editorial Board JMIRS
Lecturer MSc Health (Radiography) Lausanne, Switzerland

Tristan Barnden
Sessional lecturer South Bank University
Chair of the Kent regional non-medical cardiac stressor's group

Sarah Stace
Lead Nuclear Medicine Reporting Practitioner, Hywel Dda University Health Board
Chair of the West Wales Nuclear Medicine User Group

Frances Hogg
Chief Technologist- Nuclear Medicine- Glasgow Royal Infirmary
IPEM- Full member
IPEM Liaison NMMAG
External moderator IPEM Clinical Technologist training scheme assessor for RCT equivalence route