32ND Annual Meeting
BRITISH NUCLEAR MEDICINE SOCIETY
31st March - 2nd April 2004
BRIGHTON CONFERENCE CENTRE

www.bnms.org.uk

MAXIMUM 14 CPD/CME CREDITS
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SOCIETY MEMBERSHIP

Membership of the Society is open to those who have a substantial interest and involvement in the development and provision of Nuclear Medicine services. The Society exists to further the professional, scientific and clinical interests of members and to support the development of Nuclear Medicine for the benefit of patients.

SUBSCRIPTION RATES

<table>
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<tr>
<th>Membership Type</th>
<th>UK</th>
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<tr>
<td>Full Member</td>
<td>£120</td>
<td>£160</td>
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<tr>
<td>Full Member - reduced rate</td>
<td>£95</td>
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<tr>
<td>Associate Member</td>
<td>£50</td>
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An application form for membership can be found at the back of the programme. Further details are available at the Conference Registration Desk or by visiting our website www.bnms.org.uk

CONFERENCE REGISTRATION

For advance registration contact the Conference Secretary, Mrs S Hatchard, BNMS, Regent House, 291 Kirkdale, London SE26 4QD Tel: 020 8676 7864 Fax: 020 8676 8417 Email: suehatchard@bnms.org.uk Or visit our web site (www.bnms.org.uk)
GENERAL INFORMATION

PRE-REGISTRATION, TUESDAY 30TH MARCH 17.30 - 19.30
Foyer, Ground Floor, Brighton Conference Centre

REGISTRATION, WEDNESDAY 31ST MARCH – FRIDAY 2ND APRIL, 08.30 ONWARDS
Foyer, Brighton Conference Centre

HOTEL ACCOMMODATION
Download a booking form from the website www.bnms.org.uk or contact Brighton Accommodation Bureau (+44) 01273 292 626 or fax (+44) 01273 292617

CATERING
Coffee and tea in Exhibition area in Main Hall
09.00 - 17.00
12.00 - 14.30 Hot dish of the day
11.00 - 17.00 Selection of bottled beers, wine sold by the glass
Friday 2nd April Buffet lunch provided in Main Hall

COMMERCIAL EXHIBITION - MAIN HALL, 1ST FLOOR
BETWEEN WEDNESDAY 31ST MARCH 09.30 AND FRIDAY 2ND APRIL 14.00
WIN, WIN, WIN!!! Nuclear Medicine Industry Association. Exhibitors Anagram Puzzle

1st Prize: £150.00 Electrical store vouchers
2nd Prize: £100.00 Electrical store vouchers
3rd Prize: £50.00 Electrical store vouchers

AV CENTRE
1st Floor - West Landing (Next to the Hewison Hall)

BNMS STAND - MAIN HALL, STAND 28
Meet the experts - If you have a burning question to ask on a one-to-one basis, or simply want to exchange views on aspects of Nuclear Medicine, feel free to visit the BNMS Exhibition Stand. Different topics every tea, coffee and lunch break. See programme in delegate bag.

INTERNET ACCESS - MAIN HALL, STAND 29
Internet access will be available at the BNMS Exhibition stand in the Main Hall for the ad hoc use of exhibitors and exhibition visitors. Additionally, you may access the wireless network at The Brighton Centre on a pay-as-you-go basis, at a cost of £3 for 30 minutes. Computers equipped with wireless cards should automatically recognize the network. Credit/debit card payment for access can then be made by following the on-screen instructions. If your computer is not wireless enabled, wireless cards can be hired* on the day from The Brighton Centre at £10.00 per day (a refundable deposit will be taken). Alternatively, they can be booked for hire, or purchased in advance, by calling Sue Clark of FreeLAN on +44 (0) 1276 854462

* while stocks last
GENERAL INFORMATION (CONT’D)

EMERGENCY CONTACT DETAILS
The emergency contact telephone number for delegates attending the conference is 01273 290131.

CME/CPD
A maximum of 14 CME/CPD credits have been awarded for the meeting.
Please note that delegates can only record the actual number of hours attended for CME/CPD purposes.

SOCIAL EVENTS

‘MEET & GREET’ RECEPTION
TUESDAY 30TH MARCH
Foyer, Ground Floor, Brighton Centre

CIVIC RECEPTION COURTESY OF BRIGHTON & HOVE COUNCIL
AND BNMS COCKTAIL PARTY
WEDNESDAY 31ST MARCH
The Atrium, Thistle Hotel
18.00 - 20.30

DISCO
WEDNESDAY 31ST MARCH
CREATION, West Street
Tickets £4 each (purchased from the Registration Desk) including complimentary drink

CONFERENCE DINNER
THURSDAY 1ST APRIL
Brighton Racecourse
19.30 START
Tickets £30 each. Please book in advance as numbers are limited.
Coaches will pick up outside Brighton Conference Centre. Timetable with ticket.
<table>
<thead>
<tr>
<th>Time</th>
<th>HEWISON HALL</th>
<th>ALPHA HALL</th>
<th>BETA HALL</th>
<th>RAINBOW ROOM</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Technologists’ Forum: “Modernising the Nuclear Medicine Workforce - the changing role of the Clinical Technologist and Radiographer” Joyce Davidson (Grampian University Hospitals)</td>
<td>Cardiology I Chairs: Dr A Tweeddel, Dr E Prvulovich Proffered papers</td>
<td>Young Investigator’s Prize Chair: Dr A Hilson Proffered papers</td>
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<tr>
<td>09.30</td>
<td>Proffered papers Chairs: Prof R McCready, Mrs H Hill</td>
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<td>11.00</td>
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<td>BNMS ANNUAL LECTURE (in Hewison Hall) Imaging and the Failing Heart Prof. R Underwood, Royal Brompton Hospital, London</td>
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<td>12.00</td>
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<td>Technology Group AGM*</td>
<td>Radiopharmacy Group AGM*</td>
<td>BNCS Meeting*</td>
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<td>13.30</td>
<td>Cardiology II Chairs: Dr C Anagnostopoulos, Prof R Underwood Proffered papers</td>
<td>Technology II Chairs: Mrs V Parkin, Mr C Eustance Proffered papers</td>
<td>Radiopharmacy/Radiochemistry Chairs: Dr A Millar, Dr B Ellis Proffered papers</td>
<td>Medical Trainees’ Forum</td>
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* LUNCH PROVIDED
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<tr>
<td>09.00</td>
<td>Invited Review 1: “Use of GFR measurement in paediatric nephrology” Dr R Gilbert (Southampton General Hospital)</td>
<td>Invited Review: “Infection control issues in nuclear medicine practice” Dr A Fraise (City Hospital Birmingham)</td>
<td>Presentation on technologist-related issues</td>
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<td>09.15</td>
<td>Invited Review 2: “Use of GFR measurement in oncology” Prof H Calvert (Newcastle University) GFR/Renal. Chairs: Mr P Gosgriff &amp; Dr J Fleming Proffered papers</td>
<td>Infection control Chairs: Dr J Hill &amp; Mr P Maltby</td>
<td>Presentation on nursing-related issues</td>
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<td>10.45</td>
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<td>COFFEE &amp; EXHIBITION</td>
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<td>11.15</td>
<td>Invited Review: “Imaging in Suspected Pulmonary Embolism” Dr A Miller (Mayday Hospital, Croyden) Lung Chairs: Dr J Neilly, Dr R Ganatra Proffered papers</td>
<td>Radiation Protection Chairs: Dr H Stockdale, Mr M Evans Proffered papers</td>
<td>Invited Review - Development of a business case. Mr K Sargent (WestawayGillis) Clinical Management/Audit Chairs: Dr W Tindale, Dr D McCool Proffered papers</td>
<td>11.00 Nurses’ Forum</td>
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<td>BUFFET LUNCH PROVIDED IN MAIN HALL</td>
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<td>13.45</td>
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<td>PRESENTATION OF PRIZES IN HEWISON HALL</td>
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<td>14.00</td>
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<td>HIGHLIGHTS LECTURE IN HEWISON HALL Prof P Robinson, St James’s Hospital, Leeds</td>
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<td>CLOSE OF MEETING</td>
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09.20 President opens conference

09.30 Imaging Infection/Inflammation Interactive Session
Dr J Neilly, Glasgow Royal Infirmary
Chair: Dr M Prescott

10.30 Coffee & Exhibition

11.00 Radiation and Risk - Let’s Get Things Into Perspective. Interactive Session
Dr R Shields, Manchester Royal Infirmary
Chair: Dr L.K. Harding

12.00 Poster Session

13.00 Lunch & Exhibition

14.00 What If...? Radiopharmacy Interactive Session
Dr B Ellis, Manchester Royal Infirmary
Chair: Prof S Mather

15.00 Tea & Exhibition

16.00 Paediatric Nuclear Medicine Test Yourself Against the Kids Interactive Session
Prof I Gordon, Great Ormond Street Hospital
Chair: Dr A Hilson

17.00 Close

11.00 1. Optimisation of %Retention and %Washout Measurements of 99mTc-Sestamibi from Breast Tumours.
Marshall C1, Eremin J2, El-Sheemy M3, Eremin O3, Griffiths PA1
Department of Medical Physics1, Clinical Oncology2, Research and Development3, Lincoln County Hospital, UK

11.15 2. Is the Uptake of 99mTc-Sestamibi in Breast Cancer Related to Tumour Grade?
Marshall C1, Bissett FJ1, Lax MA1, Eremin J2, El-Sheemy M3, Eremin O3, Griffiths PA1 . Department of Medical Physics1, Clinical Oncology2, Research and Development3, Lincoln County Hospital, UK

11.30 3. The Value of Negative Scintimammography
Mackie A1, McCauley E1, Cadigan P2, Cook AIM3
Departments of Medical Physics1, Radiology2 and Surgery3, University Hospital of North Durham, Durham, UK

11.45 4. MRI, Scintimammography and Histology in the Assessment of Multi-focal Breast cancer
Cowley P1, Gopinath G2, Robertson P3, Holloway B1, Buscombe JR2, Davidson T3, Hilson AJW2
Department of Radiology1, Nuclear Medicine2, Surgery, Royal Free Hospital2, London, UK

12.00 5. Best for Breasts: 99mTc-Sestamibi or 99mTc-Oxidronate?
McCauley E1, Mackie A1, Cadigan P2, Cook AIM3
Departments of Medical Physics1, Radiology2 and Surgery3, University Hospital of North Durham, Durham.

12.15 6. Effectiveness Of 18F-FDG Gamma Camera PET In Detecting Metastatic Lymph Nodes in Patients With Locally Advanced Breast Cancer?
Mustafa S1,2, Marshall C1, Griffiths PA1, Eremin J2, El-Sheemy M3, Eremin O3 . Department of Medical Physics1, Clinical Oncology2, Research and Development3, Lincoln County Hospital, UK

12.30 Poster Session

13.00 Lunch & Exhibition

14.00 7. Who will fail radioiodine treatment?
Winstanley V1, Murphy E2, Frank J3, Meeran K1.
Departments of Endocrinology1, Clinical Chemistry2 and Nuclear Medicine3, Charing Cross Hospital, London, UK

14.15 8. Salivary gland function in patients with Ca Thyroid treated with Radioiodine
Kabra R, Prescod N, Allen S, Clarke SEM
Guys & St Thomas’ NHS Trust, London, UK

14.30 9. Serum thyroglobulin increment is a more reliable indicator of tumour recurrence in patients with thyroid carcinoma.
Ryan PJ, Borowsky K. Department of Nuclear Medicine, Medway Maritime Hospital, Gillingham, Kent, UK

14.45 10. High dose I-123 imaging as a predictor of I-131 post therapy scan outcome in differentiated thyroid cancer, DTC
Britton KE1, Foley R R1,2, Chew S L2, Murray IS1, El Megadmi AH1, Canizales A L1, Drake W2, Jenkins P3, Besser G M3, Plowman PN3, Grossman AB2, Monson JP2. Department of Nuclear Medicine1, Endocrinology2 and Radiotherapy3, St Bartholomew’s Hospital, UK

15.00 11. Simultaneous assessment of parathyroid and heart in renal and non-renal patients with raised PTH
Gopinath G, Buscombe JR, Duson K, Hilson AJW
Nuclear Medicine, Royal Free Hospital, London, UK

15.15 12. A comparison of sequential and simultaneous subtraction imaging of the parathyroid
Stratford JS, Fleming JS. Department of Medical Physics & Bioengineering, Southampton General Hospital, UK.

15.30 Tea & Exhibition
11.00  INVITED REVIEW
Osteoporosis
Prof D Hosking, City Hospital, Nottingham

Moore AEB, Blake GM, Fogelman L.
Guy's, King's and St Thomas' School of Medicine, London, UK

12.00  14. Efficacy of 99mTc Leukoscan in diagnosis of prosthetic joint infections
Jayan R1, Iyengar KP2, Vinjamuri S1
Departments of Nuclear Medicine1 and Orthopaedics2. Royal Liverpool
University Hospital, UK

12.15  15. Scanning Whole Body Bone Scintigraphy: Is it Equivalent to Multiple Spot Views?
Prosser JE1, McCurrach GM2, Smith ML1, Arumugam P1, Gray HW2
Departments of Nuclear Medicine, Royal Liverpool University Hospital1
and Royal Infirmary, Glasgow2 UK

12.30  16. Further evaluation of diagnostic accuracy of Leukoscan in suspected osteomyelitis and prosthetic infection
Boorgula V1, Flanagan AJ1, Conry BG2, Fordyce3
Department of Orthopaedics and Trauma Kent Sussex Hospital Tunbridge
Wells1, Department of Medical Imaging Pembury Hospital2 UK.

12.45  POSTER SESSION

13.00  LUNCH & EXHIBITION - MEDICS’ FORUM (BETA HALL)

14.00  17. A SPECT Investigation of the Effect of Acetylcholinesterase Therapy on rCBF in Alzheimer’s Disease
Woods SD1, Henderson HP2, Watson DR2, Valleye SR, Cooper SJ2
1Northern Ireland Regional Medical Physics Agency, Royal Victoria
Hospital, Belfast, UK, 2Department of Mental Health, Queen’s University
Belfast, UK

Eerlandsson K1, Sivananthan T2, Lui D1, Townsend CE1, Lucas R2, Eli PJ1
Institute of Nuclear Medicine, University College London 1, and Eli Lilly
and Company, Windlesham, Surrey2, UK

14.30  19. The Fractal Dimension of DaTSCAN Images - Is it a Clinically Useful Index?
Bolt L, Fleming JS, Kemp PM
Southampton General Hospital, Southampton, UK

14.45  20. Pattern recognition of FP-CIT SPECT images using shape analysis
Ahearn TS, Staff RT, Murray AD, Gemmell HG
Department of Bio-Medical physics and Bio-Engineering, Radiology

15.00  21. Updating to SPM2 from SPM99 for HMPAO SPECT Brain Image Analysis
Hoffmann SMA, Fleming JS, Ward T
Department of Medical Physics and Bioengineering, Southampton
General Hospital, UK

15.15  22. A Simulation Method for Realistic Abnormal SPECT Brain Perfusion Images
Ward T1, Fleming JS1, Hoffmann SMA1, Kemp PM2
1Department of Medical Physics and Bioengineering, Southampton
University Hospital Trust, 2Department of Nuclear Medicine, Southampton
University Hospital Trust, UK

11.00  23. Influence of Respiratory Motion in PET Imaging
Livieratos L, Stegger L, Schafer K, Bailey DL, Camici PG
PET Cardiology. Clinical Sciences Centre, Imperial College School of
Medicine, Hammersmith Hospital and Nuclear Medicine Dept, Guy’s & St
Thomas’ Hospitals, London, UK

11.15  24. An MR-compatible PET scanner for imaging small animals
MacKewn J1, Strul D1, Keevil SF1, Halsted WA1, Halsted P1, Page RA1, Cash D2, Williams SCR2, Cherry SR3, PK Marsden1
Guy’s, King’s & St. Thomas’ School of Medicine, London1, Institute of
Psychiatry, King’s College London2, UK

11.30  25. Evaluation of Annexin V Labelled with the Positron Emitter 124I for PET Imaging of Apoptosis
Hastings DL3, Dekker B1, Keen H1, Disley L1, Lyons S1, Julyan PJ3, Reader
AJ4, Smith N1, Zweit J1, Watson A2.
3North Western Medical Physics, Christie Hospital, Manchester;
4CRUK/UMIST Department of Radiochemical Targeting and Imaging,
Paterson Institute for Cancer Research, Manchester;
2Department of Medicine, University of Liverpool; 4Department of
Institutional and Analytical Science, UMIST, Manchester, UK.

11.45  26. SUVpeak: A New Parameter for Quantification of Uptake in FDG-PET
Jolyan PJ1, Taylor JH1, Hastings DL1, Williams HA1.2, Zweit J2
North Western Medical Physics, Christie Hospital, Manchester, UK

12.00  27. Preliminary Investigations Into Lung Tumour Flow: Metabolism Relationships Using Perfusion CT And FDG-PET
Miles KA, Griffiths MR, Keith CJ
Brighton & Sussex Medical School (UK), Queensland University of Technology (AU) and Wesley Research Institute (AU).

Dunn JT1, Bingham E2, Sutcliffe-Goulden J1, Amiel SA1 and Marsden PK1
Guys & St Thomas’ Clinical PET Centre1 and Department of Diabetes, Kings
College London2, UK

12.30  LUNCH & EXHIBITION

12.30  UK PET Group Meeting (Rainbow Room)
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<tr>
<td>09.00</td>
<td>TECHNOLOGY I - Chairs: Prof R McCreedy, Mrs H Hill</td>
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<td>09.00</td>
<td>Technologists’ Forum - Modernising the nuclear medicine workforce. Mrs Joyce Davidson Grampian University Hospital</td>
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<td>09.30</td>
<td>29. Technologist clinical history taking in PET - is it just duplication or does it make a difference to the report outcome? Benatar NA, Dobbins RE, Weger EA, and O’Doherty MJ. Clinical PET Centre, Guy’s, King’s &amp; St Thomas’ School of Medicine King’s College, London, UK</td>
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<td>10.00</td>
<td>31. E-mailing images, a variable option for the remote interpretation of Lung Ventilation/Perfusion (V/Q) scans. Zonozzi A, Garvie N. Radiosotopes Dept, The Royal London Hospital, London, UK</td>
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<td>10.30</td>
<td>COFFEE &amp; EXHIBITION</td>
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<td>11.00</td>
<td>BNMS ANNUAL LECTURE - Prof R Underwood</td>
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<td>11.00</td>
<td>Royal Brompton Hospital, London</td>
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<td>12.00</td>
<td>LUNCH &amp; EXHIBITION</td>
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<tr>
<td>12.00</td>
<td>TECHNOLOGY II - Chairs: Dr C Anagnostopoulos, Prof R Underwood</td>
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<td>13.30</td>
<td>33. The role of myocardial perfusion scintigraphy in the assessment of patients attending a rapid access chest pain clinic. Pruvolovic E, Taylor M, Bomanji JB, El PJ, Speechly-Dick E. Institute of Nuclear Medicine, UCLH and Department of Cardiology, UCLH and The Heart Hospital, UK</td>
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<tr>
<td>13.45</td>
<td>34. Myocardial perfusion imaging (MPI) based on an exercise stress is compatible with an efficient, high-volume service. Al-Housni MB, Hutchings F, Hinton-Taylor S, Kelion AD. Harefield Hospital, UK</td>
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<td>14.15</td>
<td>36. Acute coronary syndrome: Is myocardial SPECT indicated when egg and Troponin are negative? Randall C, Garvie NW Radionucleide Dept, Royal Brompton Hospital, UK</td>
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<td>14.30</td>
<td>37. Is Myocardial Rest/Stress SPECT of any Value when Coronary Angiography is Equivocal? Macias E, Chilab S, Garwie NW Radionucleide Dept, Royal Brompton Hospital, UK</td>
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<td>14.45</td>
<td>TEA &amp; EXHIBITION</td>
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<td>15.00</td>
<td>National Occupational Standards - Update Prof. S Hill, Chief Scientific Officer, Dept. of Health</td>
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<td>16.00</td>
<td>BNMS AGM (ALPHA HALL)</td>
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<td>09.00</td>
<td>CARDIOLOGY I - Chairs: Dr A Tweddel &amp; Dr E Prvulovich</td>
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<td>09.00</td>
<td>38. Do ventricular function parameters change with pharmacological stressing? Notghi A, Bird C, Deakin A. 1Department of Nuclear Medicine, City Hospital, Birmingham, UK 2Department of Nuclear Medicine, Priory Hospital, Birmingham, UK.</td>
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<tr>
<td>09.30</td>
<td>40. Onset of coronary artery disease prior to initiation of dialysis Gopinath G, Buscombe JR, Dustan K, Wilson AJW Nuclear Medicine, Royal Free Hospital, London, UK</td>
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<tr>
<td>09.45</td>
<td>41. SPECT quantitation in the assessment of progression of coronary artery disease in renal dialysis patients Gopinath G, Buscombe JR, Williams B, Wilson AJW Nuclear Medicine, Royal Free Hospital, London, UK</td>
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<tr>
<td>10.00</td>
<td>42. The effect of imaging time, radiopharmaceutical and milk on extra-cardiac activity in myocardial perfusion SPECT Peace RA, Lloyd JJ Regional Medical Physics Department, Royal Victoria Infirmary, Newcastle upon Tyne, UK</td>
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<td>COFFEE &amp; EXHIBITION</td>
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<td>11.00</td>
<td>BNMS ANNUAL LECTURE (HEWISON) - IMAGING AND THE FAILING HEART</td>
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<td>12.00</td>
<td>TECHNOLOGY GROUP AGM (ALPHA HALL)</td>
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<td>12.00</td>
<td>TECHNOLOGY II - Chairs: Mrs V Parkin, Mr C Eustance</td>
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<td>13.30</td>
<td>43. Parathyroid adenoma localisation Planar or SPECT Greig J, Gopinath G, Buscombe JR, Wilson AJW Nuclear Medicine, Royal Free Hospital, London, UK</td>
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<td>13.45</td>
<td>44. The Loss in Brain SPECT Resolution due to Bed Oscillation Young J, Staff R, Davidson J, Bharara M Nuclear Medicine Dept, Grampian University Hospitals, Aberdeen, UK</td>
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<td>14.00</td>
<td>45. Evaluation of a motion correction algorithm for brain imaging using clinical data Williams J, Kemp PM, Hoffmann SMA, Langford J, Huggett SM Southampton General Hospital, Southampton and City University, London, UK</td>
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<td>14.15</td>
<td>46. Avoiding unnecessary rest studies in myocardial perfusion imaging (MPI): Can technologists recognise a normal investigation from the stress study alone? Cheetham AM, Naylor V, Al-Housni MB, Kelion AD Harefield Hospital, Harefield, UK</td>
</tr>
<tr>
<td>14.30</td>
<td>47. Myocardial perfusion imaging: How can we reliably avoid unnecessary myocardial rest studies? Wilson GH, Notghi A, Tulley NJ Department of Nuclear Medicine, City Hospital, Birmingham, UK</td>
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BETA HALL

Young Investigator’s Prize: Chair Dr A Hilson
Panel Members: Dr S Clarke, Dr M Prescott, Prof E D Williams

09.00 48. Guidance from Empirical Risk Assessment for Patients Receiving Radioiodine Therapy Administrations
Watson TL and Fife AJ
The Royal Free Hampstead NHS Trust, London, UK

09.20 49. Clinical Audit to Assess the Impact of PET/CT on Patient Management in the UK
Georgiadi E1, Spyrou NM1, Grootooek S2, Cook G3
University of Surrey1, Alliance Medical Imaging Centre London2, Royal Marsden Hospital3, UK

09.40 50. What do medical students need to know about nuclear medicine?
McCoubrie, P
Royal United Hospital, Bath, UK

10.00 COFFEE & EXHIBITION

11.00 BNMS ANNUAL LECTURE (HEWISON HALL)

12.00 RADIOPHARMACY AGM (BETA HALL)

RADIOPHARMACY/RADIOCHEMISTRY  Chairs: Dr A Millar, Dr B Ellis

13.30 51. Evaluation of PET Nucleoside Analogues in Tumour Cells
Gillies JM1, Smith N1, Williams H1, Julyan P1, Hastings D1,
Vaidyanthan G2, Zweit J1
CRUK/UMIST Radiochemical Targeting and Imaging Group, Paterson Institute for Cancer Research & North West Medical Physics, Christie Hospital NHS Trust, Wilmslow Road, Manchester, UK1, & Department of Radiology, Duke University Medical Center, Durham, USA2

13.45 52. VirRAD - the Virtual Radiopharmacy: the first prototype
Mather SJ and Sosabowski JK on behalf of the VirRAD Consortium
Department of Nuclear Medicine, St Bartholomew’s Hospital, London, UK

14.00 53. A Novel Pretargeting Trastuzumab-Streptavidin Conjugate
Hainsworth JES, Mather SJ
St Bartholomew’s Hospital, London, UK

Werneke U1, McCready R2
1Homerton University Hospital, London, 2Royal Marsden Hospital, Sutton, UK.

14.30 55. Preparation and analysis of 99mTc-Moxifloxacin as an infection specific imaging agent
Kashani R, Cooper MS, Das SS
Departments of Nuclear Medicine and Medical Microbiology, St. Bartholomew’s Hospital, London, UK.

14.45 TEA & EXHIBITION

16.00 BNMS AGM (ALPHA HALL)

17.00 CLOSE

RAINBOW ROOM

12.30 BRITISH NUCLEAR CARDIOLOGY SOCIETY MEETING

13.30 Medical Trainees’ Forum
### GFR/RENAL

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Chairs: Mr P Cosgriff and Dr J Fleming</td>
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<tr>
<td>09.45</td>
<td>INVITED REVIEW 1</td>
</tr>
<tr>
<td></td>
<td>Use of GFR measurement in paediatric nephrology</td>
</tr>
<tr>
<td></td>
<td>Dr R Gilbert (Southampton General Hospital)</td>
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<td>10.30</td>
<td>INVITED REVIEW 2</td>
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<tr>
<td></td>
<td>Use of GFR measurement in oncology</td>
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<td>Prof H Calvert (Newcastle University)</td>
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### LUNG

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<tbody>
<tr>
<td>10.45</td>
<td>COFFEE &amp; EXHIBITION</td>
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<tr>
<td>11.15</td>
<td>Chairs: Dr J Neilly, Dr R Ganatra</td>
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<tr>
<td></td>
<td>INVITED REVIEW</td>
</tr>
<tr>
<td></td>
<td>Imaging in suspected pulmonary embolism</td>
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<td>Dr A Miller (Mayday Hospital, Croydon)</td>
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### RADIATION PROTECTION

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<tr>
<td>10.45</td>
<td>COFFEE &amp; EXHIBITION</td>
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<tr>
<td>11.45</td>
<td>INVITED REVIEW</td>
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<tr>
<td></td>
<td>I-131 therapy capsules: Do different manufacturers' handling techniques affect staff finger dose?</td>
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<tr>
<td></td>
<td>Roberts JK, Homer L</td>
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<tr>
<td></td>
<td>Department of Medical Physics, Leeds General Infirmary, UK</td>
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<tr>
<td>11.30</td>
<td>Finger and whole body doses for a variety of therapy and diagnostic procedures</td>
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<tr>
<td></td>
<td>Morton RJ, Greaves C</td>
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<tr>
<td></td>
<td>Department of Medical Physics, Royal Surrey County Hospital, UK</td>
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<tr>
<td>11.45</td>
<td>INVITED REVIEW</td>
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<tr>
<td></td>
<td>Managing an I-131 therapy inpatient in crisis: Tales of the unexpected</td>
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<tr>
<td></td>
<td>Fernandez RC, Allen S, Clarke SEM</td>
</tr>
<tr>
<td></td>
<td>Department of Nuclear Medicine, Guy's &amp; St Thomas' Hospital NHS Trust, London, UK</td>
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### Buffet Lunch

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<tr>
<td>12.45</td>
<td>BUFFET LUNCH PROVIDED IN MAIN HALL</td>
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### Presentation of Prizes

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<th>Time</th>
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<tr>
<td>13.45</td>
<td>HIGHLIGHTS LECTURE - Prof P Robinson</td>
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<td>St James's Hospital, Leeds</td>
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### Close of Meeting

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>14.45</td>
<td>CLOSING REMARKS</td>
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</table>
09.15  65. Foregut neuroendocrine tumours and Functional SPECT tumour volume  
Nuclear Medicine, *NET Clinic, Royal Free Hospital, London, UK

09.30  66. Difference in mIBG uptake in foregut, midgut and hindgut carcinoid  
tumours  
Nuclear Medicine, *NET Clinic, Royal Free Hospital, London, UK

09.45  67. Effectiveness Of Treatment In Patients With An Abnormal SeHCAT Scan  
Farrow CE, Dunlop DA, Linehan JD.  
Royal United Hospital, Combe Park, Bath, UK

10.00  68. 99mTc white-cell imaging in inflammatory bowel disease:  
A comparison of planar vs SPECT  
Hillel PG, Lorenz EH, Metherall P, Tindale WB, Vijay RK  
Royal Hallamshire Hospital, Sheffield, UK

10.15  69. Tc-99m HMPAO-labelled leucocyte scanning for inflammatory bowel  
disease- is quicker and accurate imaging possible?  
Prabhu SP, Dunlop DAB  
Royal United Hospital, Bath, UK

10.30  COFFEE & EXHIBITION

11.30  CLINICAL MANAGEMENT/AUDIT  
Chairs: Dr W Tindale, Mr D McCool

INVITED REVIEW  
Development of a Business Case  
Mr K Sargent, WestawayGillis

12.00  70. Developing a Nuclear Medicine Service by Extending the Working Day  
Shields RA, Prescott MC, Manoharan M and staff of the Nuclear  
Medicine Department. Manchester Royal Infirmary, UK

12.15  71. Informed consent - How well informed are our patients?  
Greaves CD, Martin S, Clauss R  
Medical Physics Department, Nuclear Medicine Department,  
Royal Surrey County Hospital, UK

12.30  72. Clinical Referral Patterns and Predicted Funding Requirements for  
Clinical PET  
Dakin M, O’Doherty MJ, Benatar N  
The Clinical PET Centre, Guy’s, King’s & St Thomas’ School of Medicine,  
King’s College London UK

12.45  BUFFET LUNCH PROVIDED IN MAIN HALL

PRESENTATION OF PRIZES

HIGHLIGHTS LECTURE - Prof P Robinson  
St James’s Hospital, Leeds

CLOSE OF MEETING
POSTER PRESENTATIONS

Posters are displayed in the Main Hall. Poster judging will take place on Wednesday 31st March between 16.00 and 17.00. Presenters will be available for discussion from 12.00 until 13.00 and from 16.00 until 17.00 on 31st March.

P1 Routine production of phantoms using an inkjet printer
Gulliver NG, Hoffland D, Britten A, Irwin A
St George’s Hospital, London, UK

P2 An Automated DICOM based Archival System for Patient Studies
Fielding HW, Shah Syed GM, Tahani Al-Saeed,
Department of Nuclear Medicine, Kuwait University, Kuwait

P3 Comparison of flood-analysis algorithms for the early detection of worsening image uniformity
Biglands JD, Waller ML
The Leeds Teaching Hospitals NHS Trust, UK

P4 Determination of a standardized test meal to measure gastrointestinal transit in children
Wakefield JC1 Blackshaw PE1 Frier M1 Gibbons N2 Singh S2 Wright J2 and Perkins, AC1
Department of Medical Physics1 and Surgery2, University Hospital, Queen’s Medical Centre, Nottingham, UK

P5 Timing of DMSA studies post UTI
Vessal S, Balasubramaniam S, Bera SK, Williams NR
Department of Nuclear Medicine, University Hospitals Coventry and Warwickshire NHS Trust, Coventry, UK

P6 Current practice for measurement of radionuclide therapy doses in the UK
Chandler ST
Darlington Memorial Hospital, Darlington, UK

P7 123I-FIAU imaging of HSV 1716 herpes simplex virus replication in the treatment of glioma.
Cluckie A, Dempsey MF, Wyper DJ, Patterson J, Owens J, Papanastassiou V, Hadley D, Brown SM
Institute of Neurological Sciences, Glasgow, UK

P8 Whole-body dosimetry for targeted radionuclide therapy using Spectral Analysis
Divoli A, Spinelli A E, Flower M A, Dearnaely D, Flux G
The Royal Marsden NHS Trust & Institute of Cancer Research, Sutton, UK

P9 Practical Issues Arising From Yttrium-90 SIR-Spheres® Therapy
Department of Medical Physics, The Royal Surrey County Hospital, Guildford, UK

P10 To evaluate the rate of hypothyroidism after one year in patients treated with fixed dose of I-131
Syed R1, Nagabushan N1, Odetoyinbo T O2, Stephens J W2, Hurel S J2, Bomanji J B1
Institute of Nuclear Medicine1 and Dept of Diabetess and Endocrinology2, Royal Free and University College London Medical School, Middlesex Hospital, London, UK

P11 Comparison of combined PET/CT and 18F-FDG PET only in cervical cancers
Nagabushan N1, Syed R1, Gacinovic S1, McCormark M2, Ell P J1, Bomanji J B1
Institute of Nuclear Medicine1 and Department of Oncology2, Royal Free and University College Medical School, Middlesex Hospital, London, UK

P14 PET guided interventions and histological validation of PET
Somer EJ1, Marsden PK1, Benatar NA1, Miquel M2, O’Doherty MU1, Smith MA3
The Clinical PET Centre, Guys, King’s and St Thomas’ School of Medicine1, Division of Imaging Science, Guys, King’s and St Thomas’ School of Medicine2, Department of Orthopaedic Surgery, Guy’s and St Thomas’ Hospital, London3, UK

P15 SUV correction for partial volume by CT measured lesion size
Irwin AG1, Cook G2, Roberts F3, Grootoontk S3
St. George’s Hospital, London, Royal Marsden Hospital, Sutton2 and Alliance Medical Imaging Centre, London3, UK

P16 Integration of Combined PET/CT Images with Conformal Radiation Treatment Planning
Takhar PS1, Spyrou NM1, Grootoontk S2, Newbold K3, Cook G3
University of Surrey1, Alliance Medical Imaging Centre, London2, Royal Marsden Hospital3

P17 Radiosynthesis of [N-methyl-11C]methylene blue
Schweiger I, Craib S, Welch A, Sharp P
John Mallard Scottish PET Centre, Department of Bio-Medical Physics & Bio-Engineering, University of Aberdeen, UK

P18 Investigation into the retention of macroaggregated albumin (LyoMao). Do different brands of syringe make a difference?
Thom J, Jenkins C
Nuclear Medicine Southampton General Hospital, UK
P19 Platelet production estimation in thrombocytopenic patients: non-invasive or invasive approach?
Todorovic-Tirnanic M, Obradovic V, Suvajdzic N1, Elezovic I1, Rolovic M1, Pavlovic S, Starcevic V2, Bosnjakovic V.
Nuclear Medicine and Hematology Institute1, Clinical Center of Serbia, Physiology Institute2, School of Medicine, Belgrade, Serbia and Montenegro.

P20 99Tcm DMSA(V) Uptake in Atherosclerotic Plaques After High Cholesterol Diet
Clauss RP1, Hinton PJ2, Guy MJ2, Ferns G3
Department of Nuclear Medicine1 and Department of Medical Physics2, The Royal Surrey County Hospital, Guildford, Surrey. Centre for Clinical Science and Measurement, University of Surrey3, UK.

P21 The TEW Method for Crosstalk Correction in Simultaneous 201Tl/99mTc Myocardial Perfusion SPECT Imaging
Van Aswegen A, Loong CY, Underwood SR
Department of Nuclear Medicine, Royal Brompton Hospital, London, UK.

P22 Repeatability of Automated Gated Myocardial Perfusion Analysis
Tudor M, Notghi A
Department of Nuclear Medicine, City Hospital, Birmingham, UK.

P23 LV function parameters obtained from gated myocardial SPECT imaging: a comparison of two data processing systems
Tout D, Rogers A, Van Aswegen A, Underwood SR
Imperial College, NHU, London, UK.

P24 The value of radionuclide methods in lung vessels failure estimation in congenital systemic-to-pulmonary shunt children
Lishmanov YuB1, Zavadovsky KW1, Ivanov SN2, Krivoronogov NO3, Kondratjeva TP3
1Nuclear Medicine Department, Institute of Cardiology, Tomsk, 2Cardiac Surgery Department, Institute of Cardiology, Tomsk, Russian Federation.

P25 Ventilatory efficacy of phrenic nerve stimulation versus intermittent positive pressure ventilation (IPPV) as assessed by ventilation perfusion (V.Q) scanning in a patient with a high cervical cord lesion
Mills SJ, Hill JC
Department of Nuclear Medicine, Royal Preston Hospital, UK.

P26 Thyroid and stomach uptake in Tc99m MAA lung perfusion scans
McDonagh J1, Bolster AA1, Murray T2, Milligan M1, Hilditch TE1
1Department of Nuclear Medicine 2West of Scotland Radionuclide Dispensary, Western Infirmary, Glasgow, UK.

P27 Effects of patient motion during myocardial perfusion SPECT on inogram and sinogram by two Iterative and FBP reconstruction methods
Zonoozi A, Zakavi S, Momenejad M
Department of Nuclear Medicine, Imam Reza Hospital, Mashad, Iran

P28 A Practical Technique to Reduce Radiation Doses in Pregnant Women Undergoing Ventilation and Perfusion Imaging
Fieldus J1, Guy MJ2, Martin SJ2, Clauss RP1
Department of Nuclear Medicine1 and Department of Medical Physics2, The Royal Surrey County Hospital, Guildford, UK.

P29 The development of an electronic Objective Structured Clinical Examination (e-OSCE) in Nuclear Medicine Reporting
Holmes KG1, Griffiths M1, Vivian G2
University of the West of England1, Derriford Hospital Plymouth2, UK.

P30 Comparison of 1" and 3/8" NaI crystal for routine gamma camera work
Fullbrook A, Wright L, Massouh H, Hall JRW, Morton RJ
Department of Nuclear Medicine, Frimley Park Hospital, UK.
FINDING YOUR WAY TO BRIGHTON

By train from London Victoria Station, the fastest service takes 49 minutes. Regular services run to Brighton from Bedford (north of London) via Luton, London King’s Cross and London Bridge. There are also direct services from Scotland, the North of England, the Midlands, the West Country and South Wales in addition to a good coastal service.

You can travel by Eurostar from Paris, Brussels or Lille to London Waterloo and then on to Brighton via London Bridge. An express coach service runs between London Victoria Coach Station to Brighton and takes about 2 hours. There are connecting services from Victoria to over 1200 UK destinations.

A regular Jetlink service connects London Heathrow (1.5 hours) and London Gatwick (45 minutes) airports with Brighton.

By car the A/M23 connects Brighton & Hove to the M25 London orbital motorway in about 45 minutes. The M25 links up with the motorway network to most parts of the UK including the Scotland, Cumbria, the West Country, Kent and the Channel ports, the Cotswolds, England’s North Country and Wales.

East to west, the main A27 links the city with towns along the coast: Newhaven, Eastbourne and Hastings to the east and Chichester, Portsmouth and Southampton to the west. We advise you not to use the coast road from Dover, Folkestone and the Channel Tunnel but to take the the M20 / M26 / M25 / M23 route which takes about 1.5 to 2 hours.

Travelling by air the nearest airport is London Gatwick, 30 minutes away by train, car, coach or taxi. London Heathrow Airport is 90 minutes by car, coach or taxi, depending on the traffic but it will take longer by train using London Underground and mainline train services.

By sea, Hoverspeed operates a 2 hour Channel crossing by Seacat from Dieppe to Newhaven (April to October) and Transmanche Ferries operates a 4-hour conventional ferry all year round. Connecting bus and train services to bring you into the centre of Brighton.

The Channel Tunnel and other major ports - Dover, Folkestone, Portsmouth and Southampton - are between 1 and 3 hours away by motorway. Seafrance operates a Calais - Dover service.
BRIGHTON MAP

1. Dudley Hall
2. Jarvis Norfolk Hotel
3. Bedford Hotel
4. Metropole Hotel
5. Grand Hotel
6. Oak Hotel
7. Old Ship Hotel
8. Thistle Hotel
9. Queens Hotel
# EXHIBITING COMPANIES 2004

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<th>Company</th>
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<tr>
<td>Alliance Medical</td>
<td>25 (+mobile scanner)</td>
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<tr>
<td>Amersham Health</td>
<td>7</td>
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<tr>
<td>Ashby GB</td>
<td>17</td>
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<tr>
<td>Blackwell’s Exhibitions</td>
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<td>Bright Technologies</td>
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<tr>
<td>Bristol-Myers Squibb Medical Imaging</td>
<td>22</td>
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<tr>
<td>British Institute of Radiology</td>
<td>35</td>
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<td>Burle Industries UK</td>
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<td>IsoChem Limited</td>
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<td>Lablogic Systems</td>
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<td>Wisepress Online Bookshop</td>
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PLAN OF BRIGHTON CONFERENCE CENTRE

SITE OF EXHIBITION - MAIN HALL
BNMS MEMBERSHIP APPLICATION

APPLICATION FOR FULL MEMBERSHIP □ ASSOCIATE MEMBERSHIP □ OF THE BNMS (Please tick)

Surname ___________________________ Forename ___________________________ Title ___________________________

Hospital/Institute ___________________________

Work Address ____________________________________________

_________________________________________ Postcode ___________________________

Tel ___________________________ Fax ___________________________

E-mail ___________________________________________________ (print carefully).

Home Address ____________________________________________

_________________________________________ Postcode ___________________________

Please send all correspondence to my WORK / HOME address (delete as appropriate)

Position/Qualifications ___________________________________________

Duration and extent of nuclear medicine responsibilities ___________________________________________

Two sponsoring members: for individuals applying for FULL membership

Member’s name ___________________________________________

Signature ___________________________________________

Member’s name ___________________________________________

Signature ___________________________________________

Speciality: (For our database please tick ONE category)

Clinician □ Radiotherapist □ Radiologist □

Nuclear Physician □ Radiographer □ Veterinary Surgeon □

Nurse □ Medical Physicist □ Technologist □ Radiopharmacist □

Are you happy for us to include your details in our on-line Members Directory? Yes □ No □

Are you happy for us to forward your details to third parties (e.g. manufacturers)? Yes □ No □

Note: If you do not answer the above questions we will assume a ‘Yes’ response to both.

Your signature ___________________________________________ Date ___________________________
METHODS OF PAYMENT

<table>
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<th>Overseas</th>
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<td>£120.00</td>
<td>£160.00</td>
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<tr>
<td>Full Member - reduced rate</td>
<td>£ 95.00</td>
<td>£110.00</td>
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<tr>
<td>Associate Rate</td>
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The reduced rate is available according to grade of employment as follows:

(a) **Medical staff, etc.** - not holding a consultant or equivalent post
(b) **Clinical scientist** - below NHS B17 or equivalent
(c) **Academic staff** - below Senior Lecturer or equivalent research staff grade
(d) **Pharmacist** - below NHS grade F or equivalent
(e) **Technologists/Radiographers/Nurses** - any grade

The reduced rate for categories (a) to (d) should be claimed by submitting a signed declaration upon application to join the Society.

I enclose payment of £ _____________ (UK member)

or £ ________________________ (Overseas member)

Applications must be accompanied by cheque, bank transfer, money order or credit card details. Alternatively the Society operates a monthly direct debit system. Please contact the Secretary for details. Payments must be made in sterling drawn on a UK Bank made payable to BRITISH NUCLEAR MEDICINE SOCIETY and should be sent with this form to:

British Nuclear Medicine Society
Regent House, 291 Kirkdale, London SE26 4QD

Credit Card Payments

I authorise you to debit my VISA/MASTERCARD/EUROCARD account with the amount of £ ____________________________________

Card number _________________________________________

Expiry date __________________________________________

Signature ___________________________________________ Date __________________