PLENARY SESSION I - PET/CT IN CANCER MANAGEMENT

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker Affiliation</th>
<th>Learning Objectives</th>
</tr>
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<tbody>
<tr>
<td>09:00 - 09:30</td>
<td>Key Notes - PET/CT and Molecular Imaging in Developing Countries</td>
<td>Henry Bom, Diana Paez, Joao Osso, Thomas NB Pascual, Rodolfo Nuñez-Miller</td>
<td>Discuss the role of PET/CT in healthcare development in different regions and strategies to overcome challenges in resource-limited settings.</td>
</tr>
<tr>
<td>10:00 - 10:30</td>
<td>The Burden of Cancer and the Role of Imaging Modalities</td>
<td>Lale Umutlu, Andrew Ross, Hossein Jadvar, Rathan Subramaniam, Jacek Koziorowski</td>
<td>Discuss the global burden of cancer and the role of imaging modalities in early detection, staging, and management of oncological diseases.</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>PET/CT or PET/MR? Who Should PET Partner with?</td>
<td>Thomas Beyer, Thomas NB Pascual, Andrew Ross, Diana Paez, Joao Osso</td>
<td>Compare and contrast the advantages and disadvantages of PET/CT and PET/MR in oncological imaging and select the most appropriate modality for specific clinical scenarios.</td>
</tr>
<tr>
<td>12:00 - 12:30</td>
<td>Radiopharmaceuticals in Molecular Imaging</td>
<td>Philip Elsinga, Jacek Koziorowski, Andrew Ross, Diana Paez</td>
<td>Discuss the latest developments in radiopharmaceuticals and their potential impact on the management of oncological diseases.</td>
</tr>
<tr>
<td>13:00 - 13:30</td>
<td>POSTER REVIEW - SESSION I</td>
<td>Posters presented by various speakers</td>
<td>Present discussions on specific applications and case studies related to PET/CT and molecular imaging in cancer management.</td>
</tr>
<tr>
<td>14:00 - 14:30</td>
<td>New Radiopharmaceuticals Developments in Breast Cancer</td>
<td>Anuradha Ranjan, Jacek Koziorowski, Andrew Ross, Diana Paez</td>
<td>Discuss the latest advancements in the development of radiopharmaceuticals for breast cancer imaging.</td>
</tr>
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<td>15:00 - 15:30</td>
<td>Head with the Expert - PET/CT, Breast Cancer</td>
<td>Anuradha Ranjan, Andrew Ross, Diana Paez, Joao Osso</td>
<td>Demonstrate the use of PET/CT in breast cancer imaging and discuss best practices for its application.</td>
</tr>
<tr>
<td>16:00 - 16:30</td>
<td>Imaging in Personalized Medicine</td>
<td>Marcus Hacker, Diana Paez, Joao Osso</td>
<td>Discuss personalized medicine approaches and the role of imaging in tailoring treatment strategies.</td>
</tr>
<tr>
<td>17:00 - 17:30</td>
<td>Tomorrows - a New Horizon for Nuclear Medicine</td>
<td>Richard Brown, Marcus Hacker, Joao Osso</td>
<td>Discuss the future of nuclear medicine and its potential impact on personalized medicine.</td>
</tr>
</tbody>
</table>
17:00 - 17:30  Radiopharmaceutical Aspects of the Theranostics in Neuroendocrine Tumours

Vijay Kumar
Clinical Professor, Paediatrics and Child Health, Children’s Hospital Westmead, Australia; Australian and New Zealand Society of Nuclear Medicine (ANZSNM)

Discuss:
1. Different Ge-68/Ga-68 generators in the market
2. Post-processing method to purify Ga-68 from impurities
3. Availability of different octreotide analogues
4. Development and experience of various linkers to make new Ga-radiopharmaceuticals
5. Conventional linkers and macrocyclic linkers currently used
6. Importance of various linkers
7. Linkers for diagnostic purposes
8. Linkers for therapeutic purposes
9. Application of octreotide analogues for neuroendocrine tumors
10. Availability of linker based PSMA for prostate imaging
11. Potential application of radiopharmaceutical based therapeutic agents

17:30 - 18:00  Read with the Expert: Theranostics

Richard P. Baum
Professor of Nuclear Medicine, Chairman and Clinical Director, Theranostics Center for Molecular Radiotherapy and Molecular Imaging; ENETS Center of Excellence, Zentralklinik Bad Berka, Germany

Discuss the role of theranostics in medical imaging using actual cases for image interpretation
### PLENARY SESSION V - ETHICS, LEADERSHIP, EDUCATION AND TECHNIQUES IN GASTROINTESTINAL CANCERS

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<td>The Role of PET/CT Imaging in the Management of Paediatric Cancers.</td>
<td>Robert H. Messia, MD, Associate Professor, University of British Columbia, Canada</td>
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<td>11:00 - 11:20</td>
<td>Other Imaging Modalities in Paediatric Cancers.</td>
<td>Michele Nadel, MD, Professor of Nuclear Medicine, The Children's Hospital of Philadelphia, USA</td>
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<tr>
<td>11:20 - 11:40</td>
<td>Gastrointestinal Cancers.</td>
<td>Stefano Fanti, MD, Clin. Professor of Radiology, University of Bologna, Italy</td>
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<tr>
<td>11:40 - 12:00</td>
<td>Leadership and Innovation in Nuclear Medicine Practice.</td>
<td>Hassan Al-Ibraheem, MD, Professor of Nuclear Medicine, King Hussein Cancer Center, Jordan</td>
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<td>12:00 - 12:20</td>
<td>The Importance of CME Credits in Lifelong Learning.</td>
<td>Robert Howman-Giles, MD, Chairperson of the UEMS/EACCME Accreditation Committee, IAEA, Canada</td>
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<tr>
<td>12:20 - 12:35</td>
<td>US Production of PET Drugs for Clinical and Research Uses.</td>
<td>Sally Schwarz, PhD, Director of Research, National Institutes of Health, USA</td>
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### PLENARY SESSION IV - NEW IMAGING AND OTHER IMAGES IN COMPARISON: GASTROINTESTINAL CANCERS

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### PARALLEL SESSION III - MEDICAL PHYSICS AND RADIATION PROTECTION

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14:00 - 14:30 Need of Tracking of Patient Doses in Nuclear Medicine and Hybrid Imaging

Madan Rehani
Visiting Scientist in the Radiology Department at Harvard Medical School and Massachusetts General Hospital, Massachusetts, USA

1. Learn about developments that create the need for tracking of patient doses
2. Understand different elements in the process of tracking of radiological procedures and dose
3. Learn about tracking of changes from hybrid imaging and nuclear imaging

14:30 - 15:00 IAEA Activities on Radiation Protection in Diagnostic Imaging

Jenia Vassileva
Radiation Protection Specialist, Radiation Protection of Patients Unit, Radiation Safety and Monitoring Section, IAEA

1. Summarize the basic requirements of the International Basic Safety Standards (GSR3) related to diagnostic imaging
2. Learn about tools provided by the IAEA that support the implementation of radiation protection, e.g., guidelines, assessments, trainings, informational materials, meetings, networking, etc.
3. Discuss the outcomes of the IAEA projects related to evaluation protocols in diagnostic radiology and nuclear medicine

15:00 - 15:30 QA/QC in PET: Accreditation, Daily QC and More

Ivo Rausch
Medical University Vienna, Center for Medical Physics and Biomedical Engineering, General Hospital Vienna, Austria

Discuss:
1. Why acceptance testing is important and which tests should be performed
2. Why daily QC and what is commonly done
3. What influences quantification in PET apart from technical aspects (patient preparation, work flow)

15:30 - 16:00 Advances of Detector Technology in Nuclear Medicine

Satchithanantham Somanesan
Medical Physicist, Singapore General Hospital, Singapore

Discuss:
1. Appraising the history of detector technology as used in nuclear medicine
2. Current trends, challenges and demands that have influenced detector technology as well as the advances made in this field
3. Discuss the different applications of PET/CT technology and its usefulness in clinical management of patients
4. Propose novel methodologies in medical imaging that would impact patient management

16:00 - 17:00 Meet-the-Authors - Poster Review / Coffee Break and Commercial Exhibits
PLENARY SESSION V: HYBRID IMAGING AND OTHER IMAGING TECHNIQUES IN SYMPTOMS

10:00 - 10:35 PET/CT Imaging in Lymphoma
- Enrique Estrada
- Uday Bhonsle
- Ravi Kashyap

10:35 - 11:00 Read with the Expert: PET/CT, Lymphoma
- Stefano Fanti

11:00 - 11:30 Other Imaging Modalities in Lymphoma
- Paul Parizel

11:30 - 12:00 Other Imaging Modalities in CNS Conditions
- Andrew Scott

12:00 - 12:30 Zirconium 89 and Associated Radiopharmaceuticals
- Jason S. Lewis

12:30 - 13:00 Other Imaging Modalities in Lymphoma
- Rathan Subramaniam

13:00 - 14:00 PET/CT Imaging in Lymphoma
- Ora Israel

14:00 - 14:25 Carbon 11 Chemistry - Why Fighting 20 Minutes Half Life Radio-labeled tracers
- Mike Wattar

PLENARY SESSION VI: HYBRID IMAGING AND OTHER IMAGING TECHNIQUES IN PROSTATE CANCER

15:10 - 15:35 Other Imaging Modalities in CNS Conditions
- Robert Scott

15:35 - 16:00 Read with the Expert: PET/CT, Lymphoma
- Julie Sutcliffe

16:00 - 17:00 Radionuclide Therapy of Prostate Cancer
- Hossein Jadvar

17:00 - 17:20 Radionuclide Therapy of Prostate Cancer
- Ora Israel

17:20 - 17:35 Role of Dosing in Radionuclide Therapies
- Arvind Chian

17:35 - 18:00 Role of Dosing in Radionuclide Therapies
- Francisco Gom

POSTER REVIEW - SESSION III

18:00 - 19:00 Poster Review - Coffee Break and Commercial Exhibits

PLENARY SESSION X: RADIONUCLIDE THERAPIES

20:00 - 21:00 Meet-the-Authors - Poster Review / Coffee Break and Commercial Exhibits

21:00 - 22:00 Exhibits
Thursday, 8 October 2015

PLENARY SESSION XII - HYBRID IMAGING AND OTHER DIAGNOSTIC TECHNIQUES IN INFECTION AND INFLAMMATION

Chair: Francesco Giammarile, Department of Radiology, Biomedical Research of La Rioja, Spain; EANM President

11:30 - 12:00 PET/CT Imaging in Tuberculosis and HIV
Mike Sathekge, University of Pretoria and Steve Biko University Hospital, South Africa; International Organization for Medical Physics, Austria; International Radiation Oncology, Medical Physics Organization, Austria

- Discuss the role of hybrid imaging modalities in the management of tuberculosis and HIV patients.
- Explore the application of PET/CT for imaging and treatment planning.

12:00 - 12:30 Other Imaging Modalities in Lung Cancer
Homer Macapinlac, University of California, Los Angeles, USA

- Discuss the indications for FDG PET-CT imaging in lung cancer.
- Explore the use of hybrid imaging modalities in lung cancer.

12:30 - 13:00 PET/CT Imaging in Melanoma
Robert del Rio, Universidad de Extremadura, Spain; EANM

- Discuss the role of PET/CT imaging in melanoma.
- Explore the use of hybrid imaging modalities in melanoma.

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Chair: Francesco Giammarile, Department of Radiology, Biomedical Research of La Rioja, Spain; EANM President

14:00 - 14:30 PET/CT Imaging in Melanoma
Robert del Rio, Universidad de Extremadura, Spain; EANM

- Discuss the role of PET/CT imaging in melanoma.
- Explore the use of hybrid imaging modalities in melanoma.

14:30 - 15:00 PET/CT Imaging in Head and Neck Cancers
Noa Israel, Sheba Medical Center Hospital, Israel

- Discuss the role of PET/CT imaging in head and neck cancers.
- Explore the use of hybrid imaging modalities in head and neck cancers.

15:00 - 15:30 PET/CT Imaging in Head and Neck Cancers
Noa Israel, Sheba Medical Center Hospital, Israel

- Discuss the role of hybrid imaging modalities in the management of head and neck cancers.

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16:00 - 16:30 Optical Imaging Tools for Early Detection
Christopher Couling, Department of Biomedical Engineering, University of California, San Francisco, USA

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

16:30 - 17:00 Optical Imaging Tools for Early Detection
Christopher Couling, Department of Biomedical Engineering, University of California, San Francisco, USA

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

17:00 - 17:30 Optical Imaging Tools for Early Detection
Christopher Couling, Department of Biomedical Engineering, University of California, San Francisco, USA

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

17:30 - 18:00 PET/CT Imaging in Tissue and MRI
Mike Sathekge, University of Pretoria and Steve Biko University Hospital, South Africa; International Organization for Medical Physics, Austria; International Radiation Oncology, Medical Physics Organization, Austria

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

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Friday, 9 October 2015

PLENARY SESSION XII - GUIDED INTRAOPERATIVE THERAPY AND OTHER DIAGNOSTIC TECHNIQUES IN INFECTION AND INFLAMMATION

Chair: Francesco Giammarile, Department of Radiology, Biomedical Research of La Rioja, Spain; EANM President

08:00 - 08:30 PET/CT General Concept
F. Giommi, University Hospital, Lyon, France

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.

- Discuss the role of hybrid imaging modalities in optical imaging tools for early detection.
10:00 - 10:30 GOSTT in Breast Cancer
Murat Fani Bozkurt
Associate Professor of Nuclear Medicine, Faculty of Medicine, Department of Nuclear Medicine, Hacettepe University, Turkey; EANM

1. Obtain an extensive knowledge on the methodological aspects of GOSTT in breast cancer
2. Describe the indications of GOSTT in breast cancer
3. Show and analyze information on the clinical use and significance of GOSTT in breast cancer
4. Offer an up-to-date brief review of literature on GOSTT technique in breast cancer

10:00 - 10:30 GOSTT Other Relevant Applications
Poznance Giannouli
Professor, Academic Nuclear Medicine, Department of Nuclear Medicine, University Hospital, Lyons, France

1. Discuss the controversies on the use of the procedure in different clinical settings
2. Apply decision making processes in the implementation of minimally invasive surgical procedures

PLENARY SESSION XVI - MULTIMODALITY IMAGING: EMERGING APPLICATIONS AND INDICATIONS

11:00 - 11:20 Applications of Multimodality Imaging in Cardiovascular Diseases
Henry Bom
Professor of Nuclear Medicine, Department of Nuclear Medicine, University of South Korea, GANNER

1. Explain advantages and disadvantages of SPECT/CT, PET/CT, and PET/MRI
2. Apply decision making processes in the implementation of minimally invasive surgical procedures
3. Take an felt example of successful multimodality imaging

11:00 - 11:20 PET/CT: Tumor Response Assessment after Conventional and Targeted Therapy
Hong Huang
Associate Professor, Department of Nuclear Medicine, University School of Nuclear Medicine

1. Understandbasket-designs of clinical trials in assessing treatment outcomes and patient management
2. Understand the differences in mechanisms of tumor-targeted drugs and conventional cytotoxic drugs on cancer treatment
3. Appreciate the important role of PET/CT imaging in tumor treatment evaluation and its use in reflecting the tumor response dynamics, especially with quantitative analysis

11:20 - 11:40 Radionanomedicine: Beyond Multimodal Imaging to Therapy/Theranostics
Dong Soo Lee
Associate Professor, Department of Nuclear Medicine, Interdisciplinary Program of Cognitive Science; Interdisciplinary Program in Brain Science; Institute of Radiation Medicine and Heart Institute, Medical Research Center, Seoul National University, Korea; AOFNMB

1. Understand what is radionanomedicine, and what it is for, especially, in vivo theranostics
2. Envision what kind of unmet clinical needs will be solved by radionanomedicine
3. Take one best example of successful radionanomedicine

11:40 - 12:00 PET/CT: Tumor Response Assessment after Conventional and Targeted Therapy
Gang Huang
Asian School of Nuclear Medicine

1. Know the importance of the tumor response assessment in cancer treatment planning and patient management
2. Understand the differences in mechanisms of tumor-targeted drugs and conventional cytotoxic drugs on cancer treatment
3. Appreciate the important role of PET/CT imaging in tumor treatment evaluation and its use in reflecting the tumor response dynamics, especially with quantitative analysis

12:00 - 12:20 Clinical PET in Neurology/Neurosurgery
Jun Hatazawa
Professor of Nuclear Medicine, Osaka University, Japan; Asian Regional Cooperative Council for Nuclear Medicine

Discuss PET applications in brain tumors, neurodegenerative disease, epilepsy, and cerebrovascular disease

12:20 - 13:30 LUNCH BREAK

PLENARY SESSION XVII- CLOSING CEREMONY

13:30 - 14:15 Awards
Diana Paez, Joao Osso
Professional Organizations

14:15 - 15:00 Closing Remarks
Diana Paez
Director, Nuclear Medicine and PET/CT, The Nuclear Medicine Institute at Rambam Health Care, Israel