

International
Conference on

Clinical PET-CT and Molecular Imaging (IPET 2015)

PET-CT in the era of
multimodality imaging
and image-guided therapy

Vienna, Austria
5–9 October 2015

PROGRAMME



IAEA

International Atomic Energy Agency

Atoms for Peace

IAEA-CN-232

Organized by the IAEA



In cooperation with:



American College of Nuclear Medicine (ACNM)



Arab Society of Nuclear Medicine (ARSNM)



Asia Oceania Federation of Nuclear Medicine and Biology (AOFNMB)



Asian School of Nuclear Medicine (ASN)



Asian Regional Cooperative Council for Nuclear Medicine (ARCCNM)



Australian and New Zealand Society of Nuclear Medicine (ANZSNM)



British Nuclear Medicine Society (BNMS)



Canadian Association of Nuclear Medicine (CANM)



European Association of Nuclear Medicine (EANM)



European Federation of Organisations in Medical Physics (EFOMP)



European Society of Radiology (ESR)



International Organization for Medical Physics (IOMP)



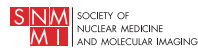
International Society of Radiolabeled Blood Elements (ISORBE)

MDACC

MD Anderson Cancer Center



Singapore General Hospital (SGH)



Society of Nuclear Medicine and Molecular Imaging (SNMMI)



Society of Radiopharmaceutical Sciences (SRS)



World Association of Radiopharmaceutical and Molecular Therapy (WARMTH)



World Federation of Nuclear Medicine and Biology (WFNMB)



World Molecular Imaging Society (WMIS)

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Location of the Conference:

International Atomic Energy Agency
Vienna International Centre (VIC)
M Building
Board Room B/M1
1400 Vienna, Austria
Tel.: (+43 1) 2600
Fax: (+43 1) 2600 7

Working Language:

English

Resolutions:

No resolutions may be submitted for consideration on any subject; no votes will be taken.

Mobile Conference Application

(for smart phones and tablets)

Android



iPhone



Participants are encouraged to download the conference application (App) IAEA Conferences and Meetings, available at Google Play and the iTunes Store.

Once downloaded, simply go to the IPET 2015 Conference.

The App has a number of very useful features. Inter alia it allows you to:

- cast a vote at the Read-with-the Expert sessions;
- message comments or questions during discussion time;
- message other participants
- access powerpoint presentations and abstracts of posters
- view up-to-date programme
- receive announcements via push notifications

If you have questions or require assistance with the App, please contact the Conference Registration Desk, situated on the ground floor of the M Building.

TIMETABLE

Molybdenum-99 (Board
Room B/M1)

Sunday, 4 October 2015

14:00-18:00 Registration and Distribution of the Conference Material Gate 1

Monday, 5 October 2015

08:00 Registration and Gate 1
08:00 Distribution of M Building
Conference Material
09:00-09:30 Opening Session (Board Room B/M1)
09:30-12:00 Plenary Session I PET/CT in Cancer Management (Board Room B/M1)
12:00-13:00 Lunch Break
13:00-15:00 Plenary Session II Hybrid Imaging and Other Imaging Techniques in Breast Cancer (Board Room B/M1)
15:00-16:00 Poster Review- Session I (See next page for details)
16:00-18:00 Plenary Session III Theranostics and Personalized Medicine (Board Room B/M1)
19:00-21:00 Welcome reception Vienna Town Hall (Rathaus)

Tuesday, 6 October 2015

09:00-11:00 Plenary Session IV Hybrid Imaging and Other Imaging Techniques in Paediatrics (Board Room B/M1)
11:00-11:20 Coffee/Tea Break
11:20-13:00 Plenary Session V Ethics, Leadership, Education and Regulatory Issues (Board Room B/M1)
13:00-14:00 Lunch Break
14:00-16:00 Parallel Session Ia Hybrid Imaging and Other Imaging Techniques in Gastrointestinal Cancers (Board Room B/M1)
14:00-16:00 Parallel Session Ib Radiopharmacy (Conference Room M3)
14:00-16:00 Parallel Session Ic Medical Physics and Radiation Protection (Conference Room M4)
16:00-17:00 Poster Review – Session II (See next page for details)
17:00-18:00 Plenary Session VI Special Plenary Session - Supply of

Wednesday, 7 October 2015

09:00–10:40	Plenary Session VII	Hybrid Imaging and Other Imaging Techniques in Lymphoma (Board Room B/M1)
10:40–11:00	Coffee/Tea Break	
11:00–13:00	Plenary Session VIII	Hybrid Imaging and Other Imaging Techniques in Prostate Cancer (Board Room B/M1)
13:00–14:00	Lunch Break	
14:00–16:00	Plenary Session IX	Hybrid Imaging and Other Imaging Techniques in CNS Conditions (Board Room B/M1) (See next page for details)
16:00–17:00	Poster Review – Session III	
17:00–18:00	Plenary Session X	Radionuclide Therapies (Board Room B/M1)

Thursday, 8 October 2015

09:00-10:40	Plenary Session XI	Hybrid Imaging and Other Imaging Techniques in Lung Cancer (Board Room B/M1)
10:40-11:00	Coffee/Tea Break	
11:00-13:00	Plenary Session XII	PET/CT in Radiation Treatment Planning (Board Room B/M1)
13:00-14:00	Lunch Break	
14:00-16:00	Plenary Session XIII	Hybrid Imaging and Other Imaging Techniques in Head and Neck Cancer and Melanoma (Board Room B/M1)
16:00-16:30	Poster Review – Session IV	(See next page for details)
16:30-18:00	Plenary Session XIV	Hybrid Imaging and Other Imaging Techniques in Infection and Inflammation (Board Room B/M1)

Friday, 9 October 2015

09:00–10:30	Plenary Session XV	Guided Intraoperative Scintigraphy Tumour Targeting (GOSTT) (Board Room B/M1)
10:30–11:00	Coffee/Tea Break	
11:00–12:20	Plenary Session XVI	Multimodality Imaging - Emerging Applications and Indications (Board Room B/M1)
12:20–12:25	Short Break	
12:25–13:50	Plenary Session XVII	Closing Ceremony (Board Room B/M1)

POSTERS

All posters presented at the IPET 2015 will be eligible for poster awards provided that they are presented in person during the poster sessions.

A selection committee has been appointed by the IAEA to review the posters on display at the conference, attend the poster presentations, and, at the conclusion of the conference, select a predetermined number of posters to receive the award.

The Poster Award session will take place 13:10-13:35 on Friday, 9th October 2015.

For the listing of posters and the scheduled review sessions please see the back of the programme.

Posters will be displayed thematically, according to the track under which they were accepted, as follows in the ground floor corridors of building A, B, and C.

Mon, 5 October 2015

15:00-16:00

Hybrid Imaging and Other
Imaging Techniques in
Lymphoma, Lung, Head and
Neck Cancer and Other
Malignancies

PET/CT in Radiation
Treatment Planning

Tue, 6 October 2015

16:00-17:00

General NM, SPECT and
Others

Hybrid Imaging and Other
Imaging Techniques in Breast,
Paediatric, Prostate,
Gastrointestinal and
Gynaecological Cancer

Image Guided Therapy and
Radionuclide Therapy

Radioguided Surgery

Wed, 7 October 2015

16:00-17:00

Hybrid Imaging and Other
Imaging Techniques in Benign
Conditions and CNS/Brain
Cancer

Member State Experience with
PET, Multimodality Imaging
and Newer Applications in
Diagnostic Imaging, and
Related IAEA Projects

Thu, 8 October 2015

16:00-16:30

Imaging Techniques Physics,
Instrumentation and Data
Analysis

Radiopharmaceutical
Production Including Good
Manufacturing Practices and
Quality Assurance

Radiation Protection for
Personnel and Patients

Quality Management in
Nuclear Medicine and
Diagnostic Imaging

Ethics, Leadership, Education
and Regulatory Issues
for Nuclear Medicine and
Diagnostic Imaging
Professionals

EXHIBITS

Exhibits will be located on the first floor, M building from Monday to Thursday, 5–8 October 2015.

List of exhibitors

Division of Human Health Exhibition (location MOE)

AOFNMB (Asia Oceania Federation of Nuclear Medicine and Biology)

Best Theratronics Ltd

Biodex Medical Systems

Canberra Packard Central Europe GmbH

CANM (Canadian Association of Nuclear Medicine)

CMR Naviscan

Comecer S.p.A

EANM (European Association of Nuclear Medicine)

Elimpex Medizintechnik GmbH

ESR (European Society of Radiology)

IASON GmbH

IBA Molecular

LabLogic Systems Limited

Mediso GmbH

Scintomics GmbH

Siemens Healthcare GmbH

Tema Sinergie s.p.A.

Von Gahlen Nederland

WFNMB (World Federation of Nuclear Medicine and Biology)

The fact that the IAEA has made facilities available for exhibitors does not imply that it endorses the equipment and products exhibited.

SUNDAY, 4 OCTOBER 2015

16:00-18:00 Registration and distribution of conference material

MONDAY, 5 OCTOBER 2015

08:00 ongoing **Registration and distribution of conference material**

09:00–09:30 OPENING SESSION

Location: Board Room B/M1

A. Malavasi, IAEA

Deputy Director General
Head of Department of Nuclear Sciences and Applications

D. Yang, IAEA

Deputy Director General
Head of Department of Technical Cooperation

M. Abdel-Wahab, IAEA

Director
Division of Human Health
Department of Nuclear Sciences and Applications

M. Venkatesh, IAEA

Director
Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications

MONDAY, 5 OCTOBER 2015

09:30–12:00 **PLENARY SESSION I**
PET/CT in Cancer Management

Location: **Board Room B/M1**

Chairperson: **Hossein Jadvar, SNMMI**
IAEA Coordinator: **Diana Paez, Joao A. Osso**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of presentation and learning objectives</i>
09:30–10:00	Henry Bom	AOFNMB	PET/CT and Molecular Imaging in Developing Countries 1. Discuss the role of PET/CT and molecular imaging in clinical practice 2. Determine the different factors that affect the practice of PET/CT in developing countries 3. Integrate current practices of PET/CT within the context of best practices
10:00–10:30	Lale Umutlu	ESR	The Burden of Cancer and the Role of Imaging Modalities 1. Get familiar with current global cancer statistics and their effects on patient population 2. Understand the diagnostic capacity and potential benefits of different imaging modalities in screening and early diagnosis of cancer 3. Assess the advantages/disadvantages of PET/CT and PET/MRI for whole-body staging
10:30–11:00	Homer Macapinlac	MDACC, USA	The Importance of PET/CT in Human Health 1. Provide an overview of the impact of PET/CT imaging on the management of patients and its impact on health care expenditures 2. Review the current use of PET/CT in the multi-disciplinary care of oncology patients, with emphasis on its utility in adaptive therapeutic strategies
11:00–11:30	Thomas Beyer	EFOMP	PET/CT or PET/MR? Who Should PET Partner with? 1. Understand the principles of combined PET/CT and PET/MRI 2. Appreciate the quantitative nature of PET imaging in either modality 3. Review key applications and advantages/disadvantages of each modality 4. Discuss protocol standardization and key elements of high-quality clinical imaging protocols

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of presentation and learning objectives</i>
11:30–12:00	Philip Elsinga	Netherlands	Radiopharmaceuticals in Molecular Imaging 1. Understand the principles of the role of molecular imaging in disease management based on the properties of the applied radiopharmaceutical 2. Know the most important production methods of radiopharmaceuticals 3. Know the novel developments in production methods/technology of radiopharmaceuticals that greatly enhance their worldwide availability
12:00–13:00	<i>Lunch Break</i>		

MONDAY, 5 OCTOBER 2015

13:00–15:00 **PLENARY SESSION II**
Hybrid Imaging and Other Imaging
Techniques in Breast Cancer

Location: **Board Room B/M1**

Chairperson: **Homer Macapinlac, MDACC, USA**
IAEA Coordinator: **Diana Paez**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
13:00–13:30	Hossein Jadvar	SNMMI	PET/CT Imaging in Breast Cancer 1.Review the diagnostic utility of PET/CT with FDG in breast cancer 2.Introduce other PET radiotracers that may be useful in imaging evaluation of breast cancer
13:30–14:00	Rathan Subramaniam	ACNM, USA	Other Imaging Modalities in Breast Cancer 1. Discuss the utilization of radiology imaging modalities (non-PET) in the evaluation of breast cancer 2.Determine the limitations of radiology imaging modalities in breast cancer 3.Discuss the role and value of multimodality imaging for breast cancer management
14:00-14:30	Jacek Koziorowski	Sweden	New Radiopharmaceutical Developments in Breast Cancer 1.Metabolic imaging in breast cancer 2.Receptor imaging in breast cancer 3.Hormone status in the context of imaging in breast cancer
14:30-15:00	Andrew Ross	CANM, Canada	Read with the Expert: PET/CT, Breast Cancer 1.Provide understanding of the utilization of 18F-FDG in the evaluation of breast cancer 2.Describe some of the limitations of 18F-FDG in breast cancer 3.Provide information of dedicated PET instrumentation and procedures (PEM) in the evaluation of breast cancer 4.Provide information of other PET tracers being utilized in the evaluation of breast cancer

MONDAY, 5 OCTOBER 2015

15:00–16:00 POSTER REVIEW SESSION I

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
15:00–16:00	Thomas Pascual	IAEA	Meet-the-Authors: Poster Review with light refreshments 1. Discuss the different applications of PET/CT technology and its usefulness in clinical management of patients 2. Propose novel methodologies in medical imaging that would impact patient management
	<u>Reviewers</u>		
	Henry Bom	AOFNMB	
	Homer Macapinlac	MDACC, USA	
	Hossein Jadvar	SNMMI	
	Rathan Subramaniam	ACNM, USA	
	Andrew Ross	CANM, Canada	
	Murat Fani Bozkurt	EANM	
	Helen Nadel	Canada	
	Sobhan Vinjamuri	BNMS, UK	
	Akram Al- Ibraheem	ARSNM	

MONDAY, 5 OCTOBER 2015

16:00-18:00 **PLENARY SESSION III**
Theranostics and Personalized Medicine
Location: **Board Room B/M1**

Chairperson: **Andrew Ross, CANM, Canada**
IAEA Coordinator: **Rodolfo Nuñez-Miller**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:00–16:30	Marcus Hacker	Austria	Imaging in Personalized Medicine 1.Current concepts in oncology, the problem of tumour heterogeneity 2.How to assess tumour heterogeneity by nuclear imaging methods 3."In-vivo tissue characterisation", multitracer / multiparametric imaging 4.Biopsy guiding 5.Response prediction 6.Companion use of specific radiopharmaceuticals with modern targeted therapies in oncology 7.Therapy monitoring

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:30–17:00	Richard P. Baum	Germany	<p>PET/CT Imaging / Theranostics</p> <p><i>Ga-68 DOTA Peptide PET/CT Imaging of NENs.</i> <i>Theranostics:</i> 1. Ga-68 DOTA peptides as markers of somatostatin receptor expression in neuroendocrine neoplasms: bio-distribution and histopathological correlation</p> <p>2. Role of other morphological and functional imaging modalities in imaging patients with neuroendocrine neoplasms</p> <p>3. Theranostics of neuroendocrine neoplasms using Ga-68 based DOTA peptides for imaging, and Y-90 / Lu-177 based peptides for therapy (<i>further discussion in Read with Experts lecture</i>)</p> <p><i>Ga-68 PSMA PET/CT Imaging of Prostate Cancer:</i> 1. Prostate specific membrane antigen (PSMA) expression as a marker for prostate cancer PET/CT imaging and histopathological correlation in humans</p> <p>2. Ga-68 PSMA PET/CT: bio-distribution in humans</p> <p>3. Role of follow-up Ga-68 PSMA PET/CT for staging and restaging of disease, and post-PRLT assessment of response to therapy</p>

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
17:00–17:30	Vijay Kumar	ANZSNM	<p>Radiopharmaceutical Aspects of the Theranostics in Neuroendocrine Tumours</p> <ol style="list-style-type: none"> 1. Different Ge-68/Ga-68 generators in the market 2. Post-processing method to purify Ga-68 from impurities 3. Application of coordination chemistry 4. Availability of different octreotide analogs 5. Development and importance of various linkers to make new Ga-radiopharmaceuticals 6. Conventional linkers and macrocyclic linkers currently used 7. New linkers and their importance 8. Linkers for diagnostic purposes 9. Linkers for therapeutic purposes 10. Application of octreotide analogs for neuroendocrine tumour 11. Application of linker based PSMA for prostate imaging 12. Potential application of bisphosphonate based theranostics agents

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
17:30–18:00	Richard P. Baum	Germany	<p>Read with the Expert: Radionuclide Therapies</p> <p><i>Lu-177 and Y-90 DOTA peptides for treatment of NEN</i></p> <ol style="list-style-type: none"> 1. Indications and contraindications of PRRT 2. Toxicity profile of Lu-177 in comparison to Y-90 3. Current place of PRRT (Lu-177 / Y-90) in the treatment algorithm of NENs 4. Ga-68 DOTA SMS peptide PET/CT after PRRT to assess response to therapy 5. Lu-177 DOTA peptide scintigraphy to monitor post-PRLT tracer distribution and perform dosimetry to assess tracer kinetics <p><i>Lu-177 PSMA based Peptide Receptor Radioligand Therapy (PRLT):</i></p> <ol style="list-style-type: none"> 1. Indication for Lu-177 PSMA peptide receptor radioligand therapy (PRLT) 2. Current results of clinical application of PRLT 3. Lu-177 PSMA scintigraphy to assess response to therapy
19:00 – 21:00	Welcome Reception	Vienna City Hall (Rathaus)	All participants are cordially invited.

TUESDAY, 6 OCTOBER 2015

09:00–11:00 **PLENARY SESSION IV**
Hybrid Imaging and Other Imaging
Techniques in Paediatrics

Location: **Board Room B/M1**

Chairperson: **Murat Fani Bozkurt, EANM**
IAEA Coordinator: **Thomas Pascual**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
09:00–09:30	Robert Howman- Giles	Australia	The Role of PET/CT Imaging in the Management of Paediatric Cancers 1. Discuss the technical aspects involved in PET/CT imaging of paediatric patients 2. Discuss clinical applications for PET/CT in common paediatric cancer 3. Discuss the role for PET/CT in uncommon and rare paediatric cancers 4. Discuss the role of PET/CT in diagnosing complications arising from treatment of paediatric cancers
09:30–10:00	Helen Nadel	Canada	Other Imaging Modalities in Paediatric Cancers Describe the use of correlative imaging to include SPECT, CT, MRI as standalone and as nuclear medicine hybrid techniques in the evaluation and management of children with cancer
10:00–10:30	Madan Rehani	USA	Dose Optimization in Paediatric Patients 1. Understand the specific need for dose optimization in children 2. Become familiar with strategies and approaches for dose optimization in nuclear imaging 3. Become familiar with strategies and approaches for dose optimization in CT imaging
10:30–11:00	Robert Howman- Giles	Australia	Read with the Expert: PET/CT, Paediatric Cancers Discuss the role of PET/CT in paediatric cancers using actual cases for image interpretation
11:00–11:20	<i>Coffee/Tea Break Poster and Exhibits Viewing</i>		

TUESDAY, 6 OCTOBER 2015

11:20–13:00 **PLENARY SESSION V**
Ethics, Leadership, Education and
Regulatory Issues

Location: **Board Room B/M1**

Chairperson: **Helen Nadel, Canada**
IAEA Coordinator: **Uday Bhonsle**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
11:20–11:40	Sobhan Vinjamuri	BNMS, UK	Ethical Issues in Diagnostic Imaging Practice 1. Discuss ethical principles in medicine 2. Discuss ethical scenarios in daily nuclear medicine practice 3. Explore clinical decision in an ethical context 4. Discuss ethical concepts of the audience
11:40–12:00	Akram Al- Ibraheem	ARSNM	Leadership Initiatives in Nuclear Medicine Practice 1. Importance of having sustainable initiative with specific goals to develop nuclear medicine 2. Methods to advancing nuclear medicine at intra-institutional level 3. Visionary leadership impact 4. Enforcing nuclear medicine in modern oncology practice; case example 5. Leading enterprise to progressing nuclear medicine at local and regional levels 6. Utilizing international resources to advance nuclear medicine in developing countries
12:00–12:20	Thomas Pascual	IAEA	Understanding How Learners Learn: Writing Learning Objectives for Educational Activities 1. Describe Blooms Taxonomy in relation to writing learning objectives 2. Explain the importance of higher order thinking skills in writing learning objectives 3. Explain how to write appropriate learning objectives in order to achieve intended learning outcomes

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
12:20–12:35	Teresio Varetto	Italy	<p>Importance of CME Credits in the Lifelong Learning Process</p> <p>1.Review the concepts of CME (Continuing Medical Education),CPD (Continuing Professional Development) and Lifelong Learning</p> <p>2.Provide an overview of UEMS / EACCME accreditation system</p> <p>3.Discuss the importance of CME credits in the Lifelong Learning process, professional qualification and recertification</p> <p>4.Introduce the importance of accredited CME evidence-informed practice and CPD lifelong learning programs including interprofessional education, psychosocial and humanitarian aspect of patient care, communication skills and cultural awareness to maintain high quality healthcare services</p>
12:35–13:00	Sally Schwarz	SNMMI	<p>US Production of PET Drugs for Clinical and Research Uses</p> <p>1.Discuss the regulatory requirements for the production of clinical PET drugs in the US</p> <p>2.Discuss the regulations that cover the production of PET drugs used in clinical trials</p> <p>3.Discuss the requirements for the translation of first-in-man PET radiopharmaceuticals</p>
13:00–14:00	<i>Lunch Break</i>		

TUESDAY, 6 OCTOBER 2015

14:00–16:00 **PARALLEL SESSION Ia**
Hybrid Imaging and Other Imaging
Techniques in Gastrointestinal Cancers

Location: **Board Room B/M1**

Chairperson: **Mohamad Haidar, Lebanon**
IAEA Coordinator: **Enrique Estrada**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
14:00–14:40	Stefano Fanti	EANM	PET/CT Imaging in Gastrointestinal Cancers 1. Indication of PET/CT in gastric cancer 2. Indication of PET/CT in colorectal cancer 3. Indication of PET/CT in GIST 4. Use of non FDG tracers in gastrointestinal cancer
14:40–15:20	Gabriele Masselli	ESR	Other Imaging Modalities in Gastrointestinal Cancers 1. Describe the advantages and limitations of CT and MR imaging for evaluating GI tumours 2. Describe the CT and MR protocol for evaluating GI tumours 3. Identify the CT and MR enterography features of GI tumours 4. Explain the advantages of CT and MR enterography for the staging of the GI tumours 5. Discuss use of imaging in evaluating the response to treatment and in detecting tumour progression
15:20–16:00	Jean Luc Urbain	CANM, Canada	Read with the Expert: PET/CT, Gastrointestinal Cancers 1. Recognize the normal distribution of 18F-FDG in the abdomen 2. Detect abnormalities in the 18F-FDG uptake in the most common GI cancers 3. Better correlate the 18F-FDG PET findings with the TNM cancer staging 4. Better advocate and advise for the use of PET in gastrointestinal cancers

TUESDAY, 6 OCTOBER 2015

14:00–16:00 **PARALLEL SESSION Ib**
Radiopharmacy

Location: **Conference Room M3**

Chairperson: **Vijay Kumar, ANZSNM**
IAEA Coordinator: **Joao A. Osso**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
14:00–14:30	Jason S. Lewis	WMIS	PET Radiopharmaceuticals Beyond FDG 1.Learn about PET agents for imaging cancer other than FDG 2.Discover about agents that delineate cancer biology other than metabolism 3.Learn about next generation of PET agents for the staging of cancer and monitoring of therapeutic response
14:30–15:00	Paola Panichelli	Italy	Cu 64 Radiopharmaceuticals Production and Quality Control 1.Introduction to theranostics properties of copper 64 2.Method of production of the radioisotope 3.Radioisotope production: passage to industrial production 4.Chemical purification of the radioisotope, observing GMP rules 5.Examples of clinical applications of 64 CuCl
15:00–15:30	Frank Roesch	Germany	Ga 68 - Radiopharmaceuticals: Current Status and Future 1.The basics of the 68Ge/68Ga generator 2.The advantages of 68Ga as a positron emitter 3.The 68Ga-labelling strategies utilizing adequate chelate design 4.The most relevant 68Ga-radiopharmaceuticals clinically applied 5.The link between 68Ga-PET and 177Lu-therapy: Theranostics

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
15:30–16:00	Orhan Suleiman	USA	<p>Manufacturing Regulations for Imaging Radiopharmaceuticals in the United States</p> <p>1. Review current U.S. Food and Drug Administration regulations for the approval of drugs</p> <p>2. Review specific requirements for approval of radioactive imaging drugs</p> <p>3. Review current good manufacturing practice (cGMP) guidance and regulations associated with radioactive imaging drugs, primarily positron emission tomography (PET)</p> <p>4. Discuss the concept of evidence based medicine and how that will impact on radioactive drugs in the future</p>

TUESDAY, 6 OCTOBER 2015

14:00–16:00 **PARALLEL SESSION Ic**
Medical Physics and Radiation
Protection

Location: **Conference Room M4**

Chairperson: **Carlo Chiesa, Italy**
IAEA Coordinator: **Gian Luca Poli**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
14:00–14:30	Madan Rehani	USA	Need of Tracking of Patient Doses in Nuclear Medicine and Hybrid Imaging 1.Learn about developments that create the need for tracking of patient dose 2.Understand different elements in the process of tracking of radiological procedures and dose 3.Learn about status of tracking of doses from x-ray based imaging and nuclear imaging
14:30–14:50	Jenia Vassileva	IAEA	IAEA Activities on Radiation Protection in Diagnostic Imaging 1.Summarize the basic requirements of the International Basic Safety Standards (GSR3) related to diagnostic imaging 2.Learn about tools provided by the IAEA to support implementation and to strengthen radiation protection of patients and staff, e.g. guidelines document, trainings, informational materials, meetings, networking, etc 3.Learn about outcomes of the IAEA projects related to radiation protection in diagnostic radiology and nuclear medicine
14:50–15:15	Ivo Rausch	Austria	QA/QC in PET: Accreditation, Daily QC and More 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)
15:15–15:40	Satchithanantham Somanesan	SGH, Singapore	Advances of Detector Technology in Nuclear Medicine 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

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
15:40-16:00	Adam Kesner	WFNMB	A Consideration of the Barriers and Potential of Data-Driven PET Innovation 1. Understand new capacities for innovation in PET afforded by modern computing technology 2. Introduction to data driven work already introduced into the field 3. Consideration of barriers hindering development/advancement

TUESDAY, 6 OCTOBER 2015

16:00–17:00 POSTER REVIEW SESSION II

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:00–17:00	Thomas Pascual	IAEA	Meet-the-Authors: Poster Review with light refreshments 1. Discuss the different applications of PET/CT technology and its usefulness in clinical management of patients 2. Propose novel methodologies in medical imaging that would impact patient management
	<u>Reviewers</u>		
	Robert Howman- Giles	Australia	
	Teresio Varetto	Italy	
	Mohamad Haidar	Lebanon	
	Stefano Fanti	EANM	
	Jean Luc Urbain	CANM, Canada	
	Rathan Subramaniam	ACNM, USA	
	Marc Seltzer	USA	
	Batool Al- Balooshi	ARSNM	
	Francesco Giammarile	France	

TUESDAY, 6 OCTOBER 2015

17:00–18:00 **PLENARY SESSION VI**
Special Plenary Session - Supply of
Molybdenum-99

Location: **Board Room B/M1**

Chairperson: **Vijay Kumar, ANZSNM**
IAEA Coordinator: **Joao A. Osso**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
17:00–17:20	Kunthi Pathmaraj	WFNMB	Optimization of Clinical Protocols 1. Overview of imaging protocols including patient preparation 2. QC/QA processes for equipment and procedures 3. Image analysis methods 4. Training (and accreditation) of staff in clinical and research protocols 5. Examples of SPECT and PET standard clinical and research protocols 6. Implementing appropriate documentation for all these processes
17:20–17:40	Joao A. Osso	IAEA	Status of Mo-99 Supply and New Developments 1. The importance of Mo-99 and the issues related to Mo-99 supply 2. Alternative methods for the production of Mo-99 and/or Tc-99m 3. The role of IAEA in supporting Mo-99 and/or Tc-99m production by Member States
17:40–18:00	Panel Discussion		

WEDNESDAY, 7 OCTOBER 2015

09:00–10:40 **PLENARY SESSION VII**
Hybrid Imaging and Other Imaging
Techniques in Lymphoma

Location: **Board Room B/M1**

Chairperson: **Stefano Fanti, EANM**
IAEA Coordinator: **Enrique Estrada**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
09:00–09:25	Ora Israel	Israel	PET/CT Imaging in Lymphoma 1.Present data regarding the FDG avidity in various histologic subtypes of lymphoma 2.Detail patterns of nodal and extranodal disease involvement 3.Discuss the role of FDG-PET/CT in staging and treatment response assessment in various subgroups of lymphoma 4.Discuss recently developed visual and quantitative criteria for evaluation of interim and end-of-treatment studies as well as their impact on risk-adapted strategies
09:25–09:50	Rathan Subramaniam	ACNM, USA	Other Imaging Modalities in Lymphoma Discuss the role and value of multimodality imaging for management of patients with lymphoma
09:50–10:15	Marc Seltzer	USA	Read with the Expert: PET/CT, Lymphoma 1.Identify common patterns of spread by lymphoma and recognize subtypes of lymphoma that have variable or low FDG uptake 2.Discuss and apply current recommendations for performing a standardized interpretation of PET/CT in response assessment of lymphoma 3.Recognize common pitfalls and artefacts in interpreting PET/CT in lymphoma
10:15–10:40	Julie Sutcliffe	SRS	Radiolabeled Peptides For Imaging - What We Need to Know 1.Understand the clinical relevance of peptides as molecular imaging agents 2.Understand the synthesis and validation of radiolabeled peptides for preclinical and clinical applications
10:40–11:00	<i>Coffee/Tea Break Poster and Exhibits Viewing</i>		

WEDNESDAY, 7 OCTOBER 2015

11:00–13:00 **PLENARY SESSION VIII**
Hybrid Imaging and Other Imaging
Techniques in Prostate Cancer

Location: **Board Room B/M1**

Chairperson: **Mike Sathekge, ISORBE**
IAEA Coordinator: **Ravi Kashyap**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
11:00–11:30	Stefano Fanti	EANM	PET/CT Imaging in Prostate Cancer 1.Available tracers for PET imaging of prostate cancer 2.Indication of PET/CT in prostate cancer 3.Usefulness and limitations of PET imaging in prostate cancer
11:30–12:00	Frederik Giesel	ESR	Other Imaging Modalities in Prostate Cancer 1.Understand the challenges in prostate cancer imaging 2.Learn the assessment of T-staging using multi-parametric mapping 3.Get insight in the new tracer substance PSMA 4.Understand the importance of hybrid imaging of MR and PSMA-PET 5.Learn the aspect of theragnostics in PSMA-imaging
12:00–12:30	Jason S. Lewis	WMIS	Zirconium 89 and Associated Radiopharmaceuticals 1.Learn about the expanding use and the inclusion of longer-lived radiometal positron-emitters, such as Zr-89, in PET imaging 2.Review the current state-of-the-art in non-standard PET nuclide application with an emphasis on the use of small molecules, peptide and Zr-89 antibody constructs
12:30–13:00	Stefano Fanti	EANM	Read with the Expert: PET/CT, Prostate Cancer Discuss the role of PET/CT in prostate cancer using actual cases for image interpretation
13:00–14:00	<i>Lunch Break</i>		

WEDNESDAY, 7 OCTOBER 2015

14:00–16:00 **PLENARY SESSION IX**
Hybrid Imaging and Other Imaging
Techniques in CNS Conditions

Location: **Board Room B/M1**

Chairperson: **Akram Al-Ibraheem, ARSNM**
IAEA Coordinator: **Enrique Estrada**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
14:00–14:20	Emilija Janevik-Ivanovska	SRS	Radiopharmaceuticals in Neurological and Psychiatric Disorders 1.Understanding the utilization of radiopharmaceuticals for neurological and psychiatric disorders 2.Diagnostic application of SPECT radiopharmaceuticals in neurology and psychiatry 3.Diagnostic application of PET radiopharmaceuticals in neurology and psychiatry 4.Therapeutical application of radiopharmaceuticals in neurology and psychiatry
14:20–14:45	Andrew Scott	WFNMB	PET/CT Imaging in CNS Conditions 1.Understand the applications of PET/CT in the evaluation of CNS malignancies, including the evidence for the use of various PET tracers in different clinical scenarios 2.Know the use of PET/CT in the evaluation of patients with epilepsy 3.Understand the evidence for PET/CT in the evaluation of dementia patients
14:45–15:10	Andrew Scott	WFNMB	Read with the Expert: PET/CT in CNS Conditions 1.Understand the patterns of uptake of PET tracers in CNS tumours 2.Interpret PET/CT images of neuroligands in dementia studies 3.Evaluate PET/CT studies in patients with epilepsy
15:10–15:35	Paul Parizel	ESR	Other Imaging Modalities in CNS Conditions Discuss the role of non-PET imaging modalities in benign and malignant CNS conditions

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
15:35–16:00	Paul Parizel	ESR	Read with the Expert: Other Imaging Modalities in CNS Conditions Discuss the role of non-PET imaging in CNS conditions using actual cases for image interpretation

WEDNESDAY, 7 OCTOBER 2015

16:00–17:00 POSTER REVIEW SESSION III

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:00–17:00	Thomas Pascual	IAEA	Meet-the-Authors: Poster Review with light refreshments 1. Discuss the different applications of PET/CT technology and its usefulness in clinical management of patients 2. Propose novel methodologies in medical imaging that would impact patient management
	<u>Reviewers</u>		
	Helen Nadel	Canada	
	Murat Fani Bozkurt	EANM	
	Stefano Fanti	EANM	
	Frederik Giesel	ESR	
	Akram Al- Ibraheem	ARSNM	
	Andrew Scott	WFNMB	
	Mike Sathekge	ISORBE	
	Jun Hatazawa	ARCCNM	
	Marc Seltzer	USA	

WEDNESDAY, 7 OCTOBER 2015

17:00–18:00 **PLENARY SESSION X**
Radionuclide Therapies

Location: **Board Room B/M1**

Chairperson: **Mike Sathekge, ISORBE**
IAEA Coordinator: **Uday Bhonsle**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
17:00–17:20	Hossein Jadvar	SNMMI	Radionuclide Therapy of Prostate Cancer 1. Discuss the role of radionuclide therapy in the management of prostate cancer 2. Review alpha particle therapy with Ra-223 dichloride in castrate-resistant metastatic prostate cancer 3. Describe the differences in alpha and beta particle therapy
17:20–17:40	Carlo Chiesa	Italy	Role of Dosimetry in Radionuclide Therapies 1. Discuss the role of dosimetry in nuclear medicine therapy 2. Review the easiness of the historical radioiodine therapy of the thyroid cancer 3. Explain the difficulties in the implementation of dosimetric procedures in radionuclide therapies
17:40–18:00	Juergen Gay	Germany	Safe Handling of Alpha Particle Emitting Pharmaceutical during Treatment of Bone Metastasis 1. Describe the characteristics of alpha particle emitting radionuclides 2. Review the advantages of alpha emitters for clinical use 3. Explain how to handle alpha emitters safely at medical facilities 4. Describe best-practice safety procedures applied for alpha emitters

THURSDAY, 8 OCTOBER 2015

09:00–10:40 **PLENARY SESSION XI**
Hybrid Imaging and Other Imaging
Techniques in Lung Cancer

Location: **Board Room B/M1**

Chairperson: **Jean Luc Urbain, CANM, Canada**
IAEA Coordinator: **Ravi Kashyap**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
09:00–09:25	Dietmar Georg	IOMP	Radiation Treatment Planning in Lung Cancer 1.Understand techniques, workflow and procedures in high precision radiation oncology for lung cancer 2.Understand uncertainties in target volume definition 3.Understand technical requirements for imaging patient in treatment position 4.Appraise the added value of PET based target definition for radiation oncology 5.Appraise the potential contribution of PET for response assessment after lung cancer radiotherapy
09:25–09:50	Homer Macapinlac	MDACC, USA	PET/CT Imaging in Lung Cancer 1.Review the utility of 18F-FDG PET/CT in staging, determination of prognosis, and response evaluation, in patients with lung cancer 2.Discuss current diagnostic and therapeutic algorithms incorporating PET/CT imaging in the management of lung cancer patients
09:50–10:15	Frederik Giesel	ESR	Other Imaging Modalities in Lung Cancer 1.Understand the challenges in FDG-PET imaging 2.Differentiate between benign and malignant lesions 3.Understand the importance of N-staging using FDG-PET
10:15–10:40	Homer Macapinlac	MDACC, USA	Read with the Expert: PET/CT, Lung Cancer Discuss the role of PET/CT imaging in lung cancer using actual cases for image interpretation
10:40–11:00	<i>Coffee/Tea Break Poster and Exhibits Viewing</i>		

THURSDAY, 8 OCTOBER 2015

11:00–13:00 **PLENARY SESSION XII**
PET/CT in Radiation Treatment Planning

Location: **Board Room B/M1**

Chairperson: **Andrew Ross, CANM, Canada**
IAEA Coordinator: **Diana Paez**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
11:00–11:40	Marco Brambilla	EFOMP	Biological Target Volume Delineation with 18F-FDG PET/CT for Radiotherapy Planning 1.Understand the limitations of visual contouring of 18F-FDG volumes for subsequent use in radiotherapy planning 2.Obtain an up to date review of current methods for 18F-FDG volume delineation 3.Obtain an extensive knowledge of the methodological aspects of adaptive thresholding contouring including a discussion on the limitations of such methods
11:40–12:20	Habib Zaidi	Switzerland	Image Derived PET Metrics in Monitoring Response to Therapy 1.Understand the basic limitations of quantitative imaging and PET metrics used in clinical routine, the factors influencing them for subsequent use in assessment of response to treatment 2.Provide a state-of-the-art review of current PET metrics used in clinical and research setting and their limitations 3.Provide an overview of the methodological aspects of more advanced quantitative techniques including radiomics and parametric whole-body imaging requiring the use of dynamic imaging protocols
12:20–13:00	Eduardo Rosenblatt	IAEA	Defining Target Volumes and Organs at Risk: A Common Language 1.Distinguish the various target volume definitions of ICRU Reports (GTV, CTV, and ITV) 2.Determine how these elements are part of a global planning target volume (PTV) construction 3 Describe the elements that influence the definitive shape and volume of the PTV and OAR
13:00–14:00	<i>Lunch Break</i>		

THURSDAY, 8 OCTOBER 2015

14:00–16:00 **PLENARY SESSION XIII**
Hybrid Imaging and Other Imaging
Techniques in Head and Neck Cancer
and Melanoma

Location: **Board Room B/M1**

Chairperson: **Batool Al-Balooshi, ARSNM**
IAEA Coordinator: **Ravi Kashyap**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
14:00–14:30	Roberto Delgado-Bolton	EANM	PET/CT Imaging in Melanoma 1. Discuss the indications of 18F-FDG PET/CT imaging in melanoma 2. Review the advantages and disadvantages of PET/CT in evaluation of patients with melanoma: (a) micro metastases; (b) brain and lung lesions 3. Review the role of 18F-FDG PET/CT in evaluation of sentinel lymph nodes 4. Review the new PET tracers for melanoma 5. Review the role of PET/MR in melanoma
14:30–15:00	Roberto Delgado-Bolton	EANM	Read with the Expert: PET/CT, Melanoma Discuss the role of hybrid imaging modalities in the management of melanoma using interactive cases for discussion
15:00–15:30	Ora Israel	Israel	PET/CT Imaging in Head and Neck Cancer 1. Identify and discuss the appropriate use of PET/CT for staging head and neck cancer 2. Identify and discuss the appropriate use of PET/CT for restaging, monitoring therapy, and surveillance of head and neck cancer 3. Describe common pitfalls and challenges in interpreting PET/CT of the head and neck
15:30–16:00	Marc Seltzer	USA	Read with the Expert: PET/CT, Head and Neck Cancer Discuss the role of hybrid imaging modalities in the management of head and neck cancers using interactive cases for discussion

THURSDAY, 8 OCTOBER 2015

16:00–16:30 POSTER REVIEW SESSION IV

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:00–16:30	Thomas Pascual	IAEA	Meet-the-Authors: Poster Review with light refreshments 1. Discuss the different applications of PET/CT technology and its usefulness in clinical management of patients 2. Propose novel methodologies in medical imaging that would impact patient management
	<u>Reviewers</u>		
	Madan Rehani	USA	
	Vijay Kumar	ANZSNM	
	Jason S. Lewis	WMIS	
	S. Somanesan	Singapore	
	Dong Soo Lee	AOFNMB	
	Roberto Delgado-Bolton	EANM	

THURSDAY, 8 OCTOBER 2015

16:30–18:00 **PLENARY SESSION XIV**
Hybrid Imaging and Other Imaging
Techniques in Infection and Inflammation

Location: **Board Room B/M1**

Chairperson: **Henry Bom, AOFNMB**
IAEA Coordinator: **Uday Bhonsle**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
16:30–17:00	Mike Sathekge	ISORBE	SPECT and PET Imaging in Infection and Inflammation 1. Review the indications for PET and SPECT in infection and inflammation 2. Know the criteria for interpretation and of the limitations and pitfalls of PET and SPECT 3. Re-evaluate the role of the radionuclide gold standard; labeled leukocyte/marrow imaging 4. Understand the potential role of new tracers for PET and SPECT
17:00–17:30	Christopher Contag	WMIS	Optical Imaging Tools for Early Detection 1. List some of the needs and challenges for early cancer detection in the clinic 2. Describe the major challenges for optical imaging at high resolution for detection of small numbers of malignant cells 3. List the advantages of optical imaging and some of the tools to achieving improved signal to noise, larger fields of view and more rapid screening

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
17:30–18:00	Mike Sathekge	ISORBE	<p>PET/CT Imaging in Tuberculosis and HIV</p> <p>Tuberculosis:</p> <ol style="list-style-type: none"> 1. Identification active versus non-active TB 2. Identification of extrapulmonary TB 3. Staging of TB 4. Assessment of treatment response <p>HIV:</p> <ol style="list-style-type: none"> 1. Know the relationship between positivity of PET/CT scan and immune-virological status 2. Understand assessing response to highly active antiretroviral therapy and assessing complications 3. Develop a strategy on early diagnosis of HAND 4. Understand the potential role of new tracers such as Ga-68 peptides and the role of F-18 FDG in predicting prognosis in malignancies in HIV positive patients 5. Identify the strength and weaknesses PET/CT in investigation of FUO in HIV-positive patients even if they are viraemic <p>Review use of quantitative imaging to guide treatment strategy and minimize long-term toxicity</p>

FRIDAY, 9 OCTOBER 2015

09:00–10:30 **PLENARY SESSION XV**
Guided Intraoperative Scintigraphy
Tumour Targeting (GOSTT)

Location: **Board Room B/M1**

Chairperson: **Roberto Delgado-Bolton, EANM**
IAEA Coordinator: **Rodolfo Nuñez-Miller**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
09:00–09:30	Francesco Giammarile	France	GOSTT General Concept 1. Provide an update on the latest advances concerning sentinel lymph node mapping (SLNM) and radioguided sentinel lymph node biopsy (SLNB) for the diagnosis and treatment of patients with cancer 2. Provide a thorough review of the latest experience and literature and to define procedural recommendations on applications of radioguided surgery other than SLNB 3. Describe advances in the implementation of hybrid imaging technologies for the surgical management of patients with cancer in conjunction with intraoperative regional lymph node mapping 4. Discuss the use of small field scintigraphic imaging devices in the operating theatre
09:30–10:00	Murat Fani Bozkurt	EANM	GOSTT in Breast Cancer 1. Obtain an extensive knowledge on the methodological aspect of GOSTT in breast cancer 2. Describe the indications of GOSTT in breast cancer 3. Gain satisfactory information on the clinical use and significance of GOSTT in breast cancer 4. Obtain an up-to-date brief review of literature on GOSTT technique in breast cancer
10:00–10:30	Francesco Giammarile	France	GOSTT Other Relevant Applications 1. Review and discuss the controversies on the use of SLN procedures in different clinical settings 2. Apply decision making process in the implementation of minimally invasive surgical procedures
10:30–11:00	<i>Coffee/Tea Break</i> <i>Poster and Exhibits Viewing</i>		

FRIDAY, 9 OCTOBER 2015

11:00–12:20 **PLENARY SESSION XVI**
Multimodality Imaging - Emerging
Applications and Indications

Location: **Board Room B/M1**

Chairperson: **Andrew Scott, WFNMB**
IAEA Coordinator: **Enrique Estrada**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
11:00–11:20	Henry Bom	AOFNMB	<p>Applications of Multimodality Imaging in Cardiovascular Diseases</p> <p>1.Explain advantages and disadvantages of SPECT/CT, PET/CT and PET/MRI</p> <p>2.Explain appropriate & emerging clinical indications of SPECT/CT, PET/CT and PET/MRI for cardiovascular patients</p> <p>3.List clinical and fundamental research activities using SPECT/CT, PET/CT and PET/MRI for cardiovascular patients</p>
11:20–11:40	Dong Soo Lee	AOFNMB	<p>Radionanomedicine: Beyond Multimodal Imaging to Therapy/Theranostics</p> <p>1.Understand what is radionanomedicine, and what it is for, especially, in vivo theranostics</p> <p>2.Envision what kind of unmet clinical needs will be solved by radionanomedicine</p> <p>3.Take one best example of successful radionanomedicine</p>
11:40–12:00	Gang Huang	ASNM	<p>PET/CT: Tumour Response Assessment after Conventional and Targeted Therapy</p> <p>1.Know the importance of the tumour response assessment in cancer treatment planning and patient management</p> <p>2.Understand the differences in mechanisms of tumour-targeted drugs and traditional cytotoxic drugs in cancer treatment</p> <p>3.Understand the limitations of anatomical imaging techniques for cancer treatment assessment</p> <p>4.Appreciate the important role of PET/CT imaging in tumour treatment evaluation and investigate its mechanisms in reflecting the tumour response changes, especially with quantitative analysis</p>
12:00–12:20	Jun Hatazawa	ARCCNM	<p>Clinical PET in Neurology/Neurosurgery</p> <p>Discuss PET applications in brain tumours, neurodegenerative disease, epilepsy, and cerebrovascular diseases</p>
12:20–12:25	<i>Short Break</i>		

FRIDAY, 9 OCTOBER 2015

12:25–13:50 **PLENARY SESSION XVII**
Closing Ceremony

Location: **Board Room B/M1**
Chairperson: **Thomas Pascual**

<i>Time</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Presentation and Learning Objectives</i>
12:25–13:10	Ora Israel	Israel	Highlights & Trends Synthesize the relevant issues discussed on the role of medical imaging in the management of patients with cancer (and others) and highlight key issues that would affect best practices
13:10–13:35	Diana Paez, Joao A. Osso	IAEA	Poster Awards
13:35–13:50	Diana Paez	IAEA	Closing Remarks

POSTERS

MONDAY, 5 OCTOBER 2015

Hybrid Imaging and Other Imaging Techniques in Lymphoma, Lung, Head and Neck Cancer and Other Malignancies

PET/CT in Radiation Treatment Planning

Location: Ground floor corridor A & B buildings

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
3	V. Artiko B. Radovic S. Odalovic S. Sobic-Saranovic V. Obradovic	Serbia	The Utility of 18F-FDG-PET/CT in Diagnosis and Follow Up in Patients with Adrenal and Neuroendocrine Tumours
5	I. Kostadinova A. Demirev J. Mihailova V. Hadjilska	Bulgaria	Quantitative Measurements of the Therapeutic Effect in Patients with Somatostatin Expressing Tumours Using 99mTc-Tetrotyde
10	V. Soroa M. Volpacchio V. Rubio M. Portillo	Argentina	The Sum Is More than the Parts in PET/CT
32	J. Mihailovic N. Prvulovic I. Majdevac D. Manic	Serbia	Diagnostic Accuracy of 18F-FDG PET/CT in Recurrent Differentiated Thyroid Cancer
33	J. Mihailovic	Serbia	18F-FDG PET/CT in Thyroid Carcinoma
42	P. Choudhury S. Rawat A. Dewan M. Gupta A. Rao	India	Impact of Single End of Treatment 18F-FDG PET/CT in Node Positive (N2) Squamous Cell Carcinoma (SCC) of Head and Neck after Definitive Chemoradiation for Guiding Management and Predicting Outcome
46	H. Song J.H. Choi	Republic of Korea	18F-FDG PET/CT Detects Late Onset Sialadenitis after Radioactive Iodine Ablation Therapy
65	A. Mhiri F. Ben-Sliméne	Tunisia	Impact of 131I SPECT/ Low Dose CT on Nodal Staging of Differentiated Thyroid Carcinoma
76	P. Choudhury A. Jena M. Gupta	India	PET/CT-MRI Triple Fusion and its Application in Head and Neck Oncology: An Alternative to Integrated PET-MRI in Developing Countries

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
78	M. Havel O. Kraft P. Sirucek J. Cvek G. Havlova	Czech Republic	SPECT/CT and PET/CT in Patients with Differentiated Thyroid Cancer Metastases Treated by Stereotactic Ablative Radiotherapy
79	S. Park J.H. Song J. Oldan	Republic of Korea	False-Positivity of Regional Nodal Metastasis on 18F-FDG PET/CT Imaging in Primary Cutaneous Squamous Cell Carcinoma
83	M. Garcheva-Tsacheva V. Hadzhiyska Z. Mihaylova	Bulgaria	FDG-PET/CT in The Diagnostics of Unknown Primary Tumours
86	N. Helsen L. Carp S. Stroobants T. Van den Wyngaert	Belgium	FDG-PET/CT for Treatment Response Assessment in Head and Neck Squamous Cell Carcinoma: a Systematic Review and Meta-Analysis
91	A. Elliyanti	Indonesia	Follicular Thyroid Cancer with Skull Metastasis : A Case Report
93	S. Sidibé	Mali	Role of Medical Imaging in the Diagnosis and Monitoring of Thyroid Cancer in Bamako, Mali
99	G. Bruno C. Gonzalez C. Tinetti S. Traverso F. Jaimez N. Bustos	Argentina	Potential Use of 18F-NaF-PET/CT for the Detection of Extra-Skeletal Metastases in Osteosarcoma; Comparison with 18F-FDG-PET/CT
102	C. Kaewput P. Pusuwan	Thailand	Diagnostic Accuracy of 18F-FDG PET/CT in Differentiated Thyroid Cancer Patients with Elevated Serum Thyroglobulin or Anti-Tg Levels
103	P. Gupta P. Pankaj	India	Spectrum of Malignancies Diagnosed on 18F-FDG PET CT Presenting as FUO
117	J. Gómez J. Serna	Mexico	Analysis of the Usefulness of the Acquisition of PET/CT with 18F-FDG in Dual Time Point
121	A. Jain P. Pankaj	India	Evaluation of the Role and Incremental Value of 18 F-Fluoro Deoxyglucose PET/CT in Diagnosis of Carcinoma of Unknown Primary
123	J. Marcinkova H. Polzerova L. Henzlová P. Koranda	Czech Republic	RhTSH Stimulated 18F-FDG PET/CT in Patients with Thyroid Carcinoma

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
125	R. Moreira P. Schiavom-Duarte G. Barberio-Coura-Filho G. Carvalho M. Tatit Sapienza C. A. Buchpiguel	Brazil	Association of Biological and Technical Factors with Extreme Values of SUV on 18F-NaF PET/CT Studies
140	B. Duong-Duc N. Takahito H. Tetsuya	Viet Nam	Ablation Rate and Thyroglobulin Decrease after Low-Dose 131I in Differentiated Thyroid Carcinoma Post-Total Thyroidectomy
141	C. A. Stan C.V. Mazlu	Romania	Diagnostic Performance of PET/CT in Malignant Melanoma
155	M.F. Ben-Slimene I. Elbez	Tunisia	Clinical Utility of SPECT/CT Versus Planar Bone Scintigraphy in the Daily Practice of the Nuclear Medicine Department of the Salah Azaiez Institute
156	M.F. Ben Slimene I. Elbez	Tunisia	Contribution of Hybrid SPECT/CT Imaging in the Localization of Ectopic Parathyroid Glands
164	J. Sejoniene	Lithuania	Role of Liver MRI and 18F-FDG PET/CT in Atypical Pattern of Metastatic Liver Melanoma
166	G. Malhotra R. Kasiliwal A. Lila R. Asopa N.S. Shah M.G.R. Rajan	India	Role of [F-18]FDG PET/CT vis-à-vis [I-131] MIBG in Evaluation of Pheochromocytomas and Paragangliomas
167	B.R. Mittal R.V. Parghane R.K. Phulsunga A. Bhattacharya J. Shulka A. Sood	India	Evaluation of Efficacies and Clinical Impact of 68Ga-DOTATATE PET/CT and 18F-FDG PET/CT in the Diagnosis of Recurrent or Metastatic Medullary Thyroid Carcinoma: A Comparative Study in Patients with a Raised Calcitonin Level
175	D. Jocius D. Vajauskas	Lithuania	The role 18F-FDG PET/CT in Rare Disseminated Pelvic Yolk Sac Tumour: A Case Report
176	A. Sood B.R. Mittal A. Gorla	India	Incremental value of FDG PET/CT imaging over CECT in the Management of Suspected/ Proven Adrenocortical Carcinoma: a Correlation with Histopathology
182	Y. Tuti Jelani	Indonesia	18F-FDG PET/CT in Detecting Carcinoma Unknown Primary
186	A.Q. Buitriago-Gomez L.K. Anzola Fuentes A. Llamas-Olier	Colombia	Contribution of Hybrid Imaging in the Diagnosis of Multiple Myeloma: A Case Report

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189	M.G. Gama-Moreno	Mexico	Incidental Thyroid Uptake on 18F-FDG PET/CT Scans in Mexican Population and Correlation with Patologic Results
206	A.V. Ramachandran Nair V.H. Somasundaram S.S. Palaniswamy P. Subramanyam	India	Prognostic Value of Volumetric and Pathologic Metabolic Tumour Parameters in Head and Neck Malignancy
228	P. Almeida-Filho L. Vieira de Carvalho C. Almeida	Brazil	Incidental Hypermetabolic Thyroid Abnormalities on 18F-FDG PET/CT and Correlation with Histological Findings: A Retrospective Analysis
229	L. Vieira de Carvalho P. Almeida-Filho C. Almeida	Brazil	Correlation between Recombinant Human TSH Stimulated 18F-FDG PET/CT Findings and Thyroglobulin Levels in Patients with Differentiated Thyroid Cancer
237	N.H. Le Q.B. Bui	Vietnam	Value of 18F-FDG-PET/CT in Detecting Recurrent/Metastatic Lesions in Post-Surgical Differentiated Thyroid Carcinoma Patients with High Serum Thyroglobulin and Negative 131I Whole Body Scan
248	A. Van Zyl Ellmann A. Doruyter S. Rubow	South Africa	Retrospective Review of Clinical Experience with Ga-68 DOTANOC at the Western Cape Academic PET/CT Centre
257	L. Louw S. Said M. Vangu	South Africa	18F-FDG PET/CT Imaging Has a Place in Patients with Germ Cell Tumours
258	K. Khushica Purbhoo V. Mboyo Di Tamba Vangu E. Osayande A. Akinwale-Ayeni	South Africa	18F-FDG PET/CT Imaging in Differentiated Thyroid Carcinoma Patients Who Present with 'Truncated Expression of Sodium Iodide Symporter' Syndrome
272	S. A. Khan A. Sood S. Sharma	India	Effect of Radiotherapy on Salivary Gland in Head and Neck Cancer
278	C. A. De los Reyes Victoria M.C. Martinez Becerra	Colombia	18F-FDG PET/CT in Differentiated Thyroid Cancer, Usefulness in Clinical Decision Making

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317	R.O. Pinilla-Soto P. Orellana-Briones R. Gonzalez J.C. Quintana	Chile	PET/CT with 68Ga-DOTA-Peptide Somatostatin Analogue in Non-Gastro-Entero-Pancreatic (GEP) Neuroendocrine Tumours (NET) Initial Experience
324	L. Yamaga J. Wagner M. Cunha G. Campos-Neto C. Camacho J. Yang M. Funary M. Garcia	Brazil	68Ga-DOTATATE PET/CT in Recurrent Medullary Thyroid Carcinoma: Comparison with 111In-DTPA-Octreotide SPECT-CT and Conventional Imaging
327	A. Garcia-Resendez Q. G. Pitalua-Cortes D. Arguelles F. O. Garcia-Perez	Mexico	The Use of 68-Ga Somatostatin Analog (DOTATOC) PET/CT in the Initial Workup in Neuroendocrine Tumours with Somatostatin Receptor Expression: A Four-Year Review of the Experience in the Instituto Nacional de Cancerolgia (INCan), Mexico
330	D. Arguelles Perez U. Martinez Berry F. O. Garcia Perez	Mexico	Use of SPECT/CT in the Evaluation of Malignant Lesions in the Spine and its Correlation with Histopathology
352	J. Das S. Ray	India	An Analysis of 46 Thyroglobulin Elevated Non Iodine Secreting (TENIS) Syndrome Patients' Data with Respect to Multiple Risk Factors and 18F-FDG PET/CT Findings
354	M. Urhan E. Akdemir S.A. Ay A. I. Filiz F. Deniz Y. Kurt	Turkey	The Impact of 18F-FDG PET/CT Imaging in the Management of Patients with Iodine Negative Thyroglobulin Positive Thyroid Cancer
376	D. Valenzuela A. Haeger P. Orellana Briones J. C. Quintana	Chile	Usefulness of Whole Body 18F-Fluoro-2-Deoxyglucose Positron Emission Tomography/Computed Tomography in the Detection of Malignant Neoplasm
382	E. A. Serrano-Frago	Costa Rica	Neurosurgical Care in Dealing with High-Grade Gliomas that Overexpress the 1p19q Mutation Assessed by Non-Hybrid Fusion of SPECT; CT and MRI; Using Gamma Probe Scanning with 99mTc-Sestamibi
389	A. Marti Samper C. A. De los Reyes Victoria	Colombia	Papillary Thyroid Carcinoma Metastasis to The Pancreas

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26	Z. Zhu F. Li X. Jin C. Wu K.Zheng	China	Clinical Translation of 68Ga-PRGD2 PET/CT and 99mTc-3PRGD2 SPECT/CT for Integrin Receptor Imaging
28	D. Sobic-Saranovic I. Petrusic V. Artiko I. Grozdic-Milojevic S. Odalovic V. Obradovic	Serbia	Comparison of Hybrid Positron Emission Tomography with Computed Tomography and Multidetector Computed Tomography in the Detection of Metastases in Non-Small Cell Lung Cancer
43	M. Hodolic M. Gabriel Huber Stelzmüller Wunn Hatzl Fellner Lamprecht	Austria	Malignant Incidental Findings on 18F-FDG PET/CT Scans in Patients with Tuberculosis
50	S. Simon I. Elangovan	India	Role of 18F-FDG PET/CT in Malignant Mesothelioma Follow Up
137	C. Pieters V. Lannoy D. Hoton F. Hanin	Belgium	Prognostic Value of 18F-FDG PET/CT Metabolic Parameters in Small Cell Lung Cancer: A Retrospective Study
163	J. Shaw E. Irusen F. Von Groote- Bidlingmaier J. Warwick B. Jeremic R. Du toit C. Koegelenberg	South Africa	Integrated PET/CT for Evaluation of Mediastinal Lymph Node Staging of Non-Small Cell Lung Cancer in a Tuberculosis-Endemic Area: A Five Year Prospective Observational Study
195	A. Teyateeti A. Teyateeti P. Pusuwan	Thailand	Impact of 18F-FDG PET/CT Scan on Treatment Decision in Non-Small Cell Lung Cancer
196	A. Teyateeti A. Teyateeti P. Pusuwan	Thailand	A Comparison of Whole Body CT Scan and Whole Body 18F-FDG PET/CT Scan in Evaluation of Non-Small Cell Lung Cancer

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202	K. Chatti J. M. Ouvrier D. Benisvy C. Zwarthoed J. Darcourt	Tunisia	18F-FDG PET/CT in the Follow Up of Pulmonary Carcinoma Treated by Cyberknife
210	J. Witt T. Graeter A. Schmidt	Germany	Some Results of a Seven Years Cooperative Venture between the PET/CT-Unit of the Radiological Centre Franken-Hohenlohe and Pulmonary Clinical Centre Löwenstein Germany
243	M. Agolti M. S. Cosarinsky	Argentina	Determining the most Frequent SUVmax Value Related to non-Small Cell Lung Carcinoma in our Centre of Nucler Medicine
264	W. Zhai W. He	China	The Clinical Value of Novel Hybrid 3D Lobar Quantification SPECT Lung Ventilation/Perfusion Scan in Predicting Remaining Lung Function for Lobectomy Lung Cancer Patients
280	F. O Garcia-Perez O. Arrieta J.J Del Real Rivas Q. Pitalua I. Soldevilla-Gallardo	Mexico	Prognostic Value of $\alpha\beta 3$ Integrin Ligand [68Ga] DOTA-E- [c (RGDfK)] 2 in Patients with Non-Small Cell Lung Cancer
335	A. Calderón A. Llamas-Olier	Colombia	PET/CT In Evaluation of Malignant Pleural Mesothelioma
378	K. Maguiña Aguedo S. Rojas P. Chávez P. Fernández	Peru	18-Fluorodeoxyglucose Positron Emission Tomography-Computed Tomography (18F-FDG PET/CT) Scans In Lung Lesions: A 3 Case Report
Hybrid Imaging and Other Imaging Techniques in Lymphoma			
7	T. Massardo R. Fernandez J. Jofre P. Sierralta J. Canessa C. Salvo I. Gallegos	Chile	Non-Hodgkin Lymphoma Staging: Relationship of Tumour FDG Uptake and Histological Variants
18	J. Jofre T. Massardo P. Sierralta J. Canessa I. Gallegos R. Fernandez	Chile	FDG-PET in Hodgkin's Disease Evaluation: Characteristics of the Population Referred between 2003 to 2014

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19	R. Fernandez T. Massardo J. Jofre P. Sierralta J. Canessa I. Gallegos	Chile	Non-Hodgkin Lymphoma Experience with FDG PET: Sample Description, Test Indications and Tumour Histology
20	J. Jofre T. Massardo P. Sierralta J. Canessa C. Salvo I. Gallegos	Chile	Hodgkin Lymphoma FDG Staging: Relationship of Tumour Uptake and Histological Subtypes in Classical and Non-Classical Variants
29	T. Kaewchur	Thailand	Impact of Intravenous Contrast Medium on Hybrid PET/CT Images in Lymphoma Patients: Experience at PET/CT and Cyclotron Centre Chiang Mai University
53	V. Agarwal S. Batchu S. Pande S. Sahu N. Gangrade	India	Correlation between Proliferation Index and Metabolic Activity at the Biopsy Site in Newly Diagnosed NHL
96	W. Zhai W. He	China	The Novel Quantitative Software Tool for PET/CT in Staging and Predicting Prognosis of 18F -FDG Avid Lymphoma
122	L. Henzlová J. Marcinkova Z. Kapitáňová P. Koranda M. Mysliveček T. Papajík E. Buriankova	Czech Republic	Semiquantitative Analysis of Early 18F-FDG PET/CT in Patients with Diffuse Large B-Cell Lymphoma, Mantle Cell Lymphoma and Follicular Lymphoma
214	N.Beslic S. Ceric R. Milardovic A. Sadjia B. Hadžihasanović	Bosnia and Herzegovina	PET/CT Significance in Primary Thyroid Lymphoma: A Case Report
234	N. H Le T.K. Mai	Vietnam	18F-Fluorodeoxyglucose Positron Emission Tomography/Computer Tomography (18F-FDG - PET/CT) in Early Treatment Response Assessment in B-cell non Hodgkin Lymphoma Patients: A Preliminary Result
255	V. H. Somasundaram S. Palaniswamy	India	Quantitative Deauville Scale (qPET) in Assessment of Interim 18F-FDG PET in Non-Hodgkin Lymphoma

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277	L. Zaabar N. Willems C. Garcia	Tunisia	Case Report of an Extensive Neurolymphomatosis Highlighted by an 18F-FDG-PET/CT Imaging
336	L. Melillo G. Bruno G. de Stefano S. Cugliari M. Miodosky C. Tinetti F. Jaimez S. Traverso M. Namias C. Gonzalez M. Zerga P. Parma	Argentina	Diffuse Large B-Cell Lymphomas: Utility of Interim 18F-FDG-PET/CT to Predict Early Treatment Response
345	R. Mishra A. Kumar N. Das J. Cherian D. C. Pandey N. Joshi	India	Is PET/CT More Sensitive than Bone Marrow Biopsy for Detection of Bone Marrow Involvement in Lymphomas?

PET/CT in Radiation Treatment Planning

54	R. M. Kanaparthi H. Tadimetri R. Mohan J. K B. Bob C. Jason B. M K. Krishna	India	PET-CT in Radiation Treatment Planning
62	P. Ballesteros-Zebauda C.A. Reynoso –Mejía J.M. Lárraga-Gutierrez O.O. Galván de la Cruz S. Rosas González H. Alva -Sánchez M. A. Celis	Mexico	Assessment of Targets Registration Accuracy after Automatic Fusion of CT and PET Images in Radiosurgery Planning
100	J.A. Villalobos A.C. Jiménez	Costa Rica	Inclusion of PET/CT Scanning and Respiratory Gating in the Radiotherapy Treatment Process of Thoracic Malignancies

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151	A. Magli M. Rensi E. Moretti F. Giacomuzzi F. Titone S. Fongione M.R. Malisan O. Geatti	EANM	18F-Choline-PET/CT (PET) in N Stage and Radiation Treatment Planning (RTP) of Prostate Cancer Patients (PCap) at High or Unfavorable/ Intermediate Risk (HUIR)
286	A. Stefano G. Russo S. Vitabile F. Marletta C. D'arrigo M. Ippolito	Italy	Biological Target Volume Segmentation for Gamma Knife Treatments
288	P. Povinec A. Masaryková D. Šćepanović M. Pobjiakova A. Masaryk	Slovakia	Influence of 18F-FDG-PET/CT on Radiation Therapy Planning in Patients with Non-small Cell Lung Cancer
351	C. Cavedon E. Zivelonghi P.M. Polloniato S. Guariglia M.G. Giri M. Zuffante D. Grigolato M. Cucca R. Mazzarotto M. Ferdeghini	Italy	4D-PET/CT for Radiotherapy Planning: How Many Phase-Bins?
366	H. Mammar L. Champion O. Madar V. Servois I. Buvat N. Fournier-Bidoz F. Goudjl P. Dass L. Combe F. Lokiec J.L. Albérini R. Belshi A. Labib A. Mazal R. Dendale A. Fourquet	WFNMB	Open Phase II Trial "Protonchorde01": Improvement of Local Control in Skull Base and Spine Chordomas Treated by Surgery and Proton Therapy Targeting Hypoxic Cells Revealed by Nitroimidazole ([18F]FAZA) PET/CT

POSTERS

TUESDAY, 6 OCTOBER 2015

General NM, SPECT and Others

Hybrid Imaging and Other Imaging Techniques in Breast, Paediatric, Prostate, Gastrointestinal and Gynaecological Cancers

Image Guided Therapy and Radionuclide Therapy

Radioguided Surgery

Location: Ground floor corridor A & B buildings

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1	P. Korol	Ukraine	Comparison of Bone Scintigraphy and X-Ray Imaging in Patients after Hip Arthroplasty
21	M. Maharaj	South Africa	Tailoring Therapy for Benign Thyroid Disease in Private Practice
25	R. Heredia E.Limlingan V. P. Magboo R.A. Conlu	Philippines	The "Raven Sign": A Case of Apical Left Lung Herniation into the Superior Area of the Right Lung Detected on Tc-99m MAA Lung Perfusion Scintigraphy in a Paediatric Pulmonary Tuberculosis Patient
35	A. Puente S. Rosales	Mexico	Pharmacological Treatment and Myocardial Perfusion Abnormalities in Patients with Rheumatoid Arthritis
72	P. De Silva	Sri Lanka	Retrospective Study to Determine the Confidence Level in Diagnosing the Secondary Bone Deposits by Tc-99 mDP Bone Scans in National Hospital of Sri Lanka
184	N. Maroz-Vadalazhskaya E.Slobina	Belarus	Low Diagnostic Value of Invasive Coronary Anatomical Imagine Performed after ECG-Stress Test in Patients with Suspected Ischemic Heart Disease
260	W. Zhai W. He	China	A novel SUV-based Quantification of 99mTc-MDP SPECT/CT Uptake and 18F-FDG PET/CT Metabolism in Patients with Lumbar Disc herniation
261	W. Zhai W. He	China	Patients with Normal Exercise Stress Myocardial Perfusion Studies Who Achieve Less Than 75 Percent of Maximum Predicted Heart Rate Are at Increased Risk for Cardiac Events
263	W. Zhai W. He	China	The clinical Application of Absolute Quantification SUV SPECT 99mTc-MIBI Myocardial Perfusion Imaging to Translate Myocardial Viability ----a Pilot Study

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265	W. Zhai W. He	China	The Clinical Value of SUV Measurements in 99mTC-MDP SPECT/CT Bone Scans in the Evaluation of Therapy Response in Prostate Cancer Patients with Bone Metastases
267	W. Zhai W. He	China	The Role of SUV SPECT Perfusion Defect Quantification of the Lung as a Predictor of Severe Cardiovascular Events in a Cohort of Patients with Congestive Heart Failure
274	A.O. Osman	Sudan	Glomerular Filtration Rate (GFR) in Patients Taking Nephrotoxic Therapy
276	S. Caro A. Llamas-Olier S. Menendez	Colombia	Surveillance of Papillary Thyroid Cancer Patients Who Received Empiric I-131 Therapy: Can Posttherapy Scanning Predict Response to Therapy and Final Outcome?
308	R.E Andropi-Kuru	Uganda	Assessing Utility of 99mTc-MDP Bone Scan in Symptomatic Versus Non-Symptomatic Cases of Cancer at Nuclear Medicine Unit, at Mulago National Referral Hospital
361	A. Quinon	Philippines	Utilization of Serum Thyroglobulin and Anti-Thyroglobulin in the Dose Adjustment of Radioactive Iodine in the Treatment for Papillary Thyroid Carcinoma
377	P.K Ramdass	Mauritius	Evaluating the Percentage of Positive Whole Body Bone Scans in Patients with Breast Cancer in Different Periods of Disease
Hybrid Imaging and Other Imaging Techniques in Breast Cancer			
2	S. Sergieva E. Alexandrova M. Dimcheva A.Fakirova	Bulgaria	The Use of SPECT-CT and SLN Detection in Breast Cancer and Melanoma
41	M. Haidar M. Abu Samra J. Chokr M. Haddad F. Chehade	Lebanon	Role of 18F-FDG PET/CT in Restaging and Management of Suspected Recurrent Breast Neoplasm
88	G. Estrada M. Lara-Tamburrino L. Azpeita M. Jiménez	Mexico	War on Breast Cancer Goes Nuclear - High Resolution Breast Positron Emission Tomography: An Emerging Diagnostic Weapon

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98	C.J. Gonzalez G. Bruno M.E. Azar C. Tinetti S. Traverso F. Jaimez N. Bustos C. Noblia A. Osorio	Argentina	Changes in SUV Values on 18F-FDG-PET/CT after 2 Cycles of Neoadjuvant Chemotherapy May Predict Early Response in Patients with Locally Advanced Ductal Breast Carcinoma
114	R. Brown P.S. Chuah R. Berhane-Menghis S. Vinjamuri	United Kingdom	Significance and Prevalence of Extra-Osseous Findings of Low Dose CT Performed with 18F-Fluoride PET/CT Bone Scans in Patients with Breast Cancer
152	D. Grigolato G. Pollini F. Pellini M. Cucca M. Zuffante M. Barillari E. Zivelonghi R. Pozzi Mucelli C. Cavedon M. Ferdeghini	Italy	Breast Cancer Evaluation: Role of Image Fusion of 18F-FDG PET/CT in Prone Position and Magnetic Resonance
193	J.H. Lee Y.H Ryu T.J. Jeon J. Jeong	Republic of Korea	Variability in 18F-FDG Uptake of Primary Tumour According to Acquisition Position Measured on 18F-FDG PET/CT of Breast Cancer Patients
201	H. Budiawan G.J. Cheon H.J. Seo J.K. Chung J.C. Paeng K.W. Kang D. S Lee	Indonesia	Predisposing Sites of Single Bone Metastasis in Patients with Primary Breast Cancer Detected on 18F-FDG PET/CT
204	A. Damian M. Rodriguez-Taroco O. Alonso H. Engler	Uruguay	18F-FDG PET/CT for the Detection of Recurrence in Asymptomatic Patients with Increased Serum CA 15-3 Levels
205	A. Damian C. Espalter N. Silverya L. Delgado O. Alonso H. Engler	Uruguay	18F-FLT PET/CT for Early Assessment of Chemotherapy Response in Advanced Breast Cancer Patients

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221	D. Salama H. Gewefel	Egypt	Accuracy of Combined Breast Ultrasound and Mammography Versus Breast Ultrasound Alone: Not All Mammography Examinations in Young Women are justified
222	B. Gunalp S. Ince N. Arslan	Turkey	Importance of 18F-FDG-PET/CT Findings in Primary Staging and Clinical Management of Patients with Breast Cancer
259	F. Mansouri H. Mahtout	Algeria	Using Hybrid Imaging (SPECT-CT) to Identify a Particular Reason of Single HMDP- 99mTc Uptake in the Context of Breast Cancer
306	I. Soldevilla Gallardo F. O. Garcia Perez J.J. del Real-Rivas E. Estrada-Lobato	Mexico	Added Value of Positron Emission Mammography with Fluorine-18 Fluorodeoxyglucose in the Management of Locally Advanced Breast Cancer
329	Q.G. Pitalua-Cortes F.O. García Pérez D. Arguelles	Mexico	Breast Cancer Immunophenotypic Heterogeneity, Evaluation by Molecular Imaging
333	A. Garcia-Resendez M. Patino-Zarco I. Soldevilla-Gallardo F.O. Garcia-Perez	Mexico	Breast Cancer: Role of Molecular Imaging
338	J. G. Rank A. G. Garcia-Canizo M. Hjelt V. Soroa	Argentina	18F-FDG PET/CT Demonstrates Objective Response to Alternative Chemotherapy in Breast Cancer
339	H. Indrawati H. Budiawan	Indonesia	The Advantage of 18F-FDG PET/CT in Staging of Young Population with Breast Cancer
Hybrid Imaging and Other Imaging Techniques In Paediatric Cancers			
107	A. Abaza G. El-Shanshoury	Egypt	Evaluation of PET/CT Role in Diagnosis and Management of Paediatric Malignancies
144	R. Delgado Espin H. Vera	Mexico	PET/CT: An Evolving Area in Paediatrics
337	I.V. Batista-de Lacerda S.C.S. Brandão F.R. de Andrade- Lima M. L. de Oliveria	Brazil	Preliminary Dose Assessment in Paediatric Patients Undergoing PET/CT in Recife/PE in Brazil

Hybrid Imaging and Other Imaging Techniques in Prostate Cancer

14	F. Hasford J. H. Amuasi A. K. Kyere M. Vangu	Ghana	Ultrasound and PET/CT Image Fusion for Prostate Brachytherapy Image Guidance
39	M. Haidar M. Haddad F. Chehade A. Zaghal J. Chokr	Lebanon	The Impact of 18F-Choline PET/CT in the Staging and Restaging of Prostate Cancer
49	J. Soto Andonaegui P. Bezaury Rivas J. Altamirano Ley	Mexico	PET/CT with 11C-Acetate versus 18F-FDG in Patients with Recurrence Biochemistry of Prostatic Carcinoma
77	J.R Garcia M. Soler M. Moragas M.P. Cozar P. Bassa E. Riera J. Ferrer	Spain	Usefulness of 11C-Choline PET/CT in Disease Staging and Therapeutic Management of Prostate Cancer Patients
92	P. Pankaj A. Kumar	India	Role of 68-Ga Labeled PSMA PET/CT Scan in the Evaluation of Prostate Cancer and its Correlation with Histopathology Findings - Preliminary Analysis
110	E. Etchebehere J. Araujo P. Fox N. Swanston H. Macapinlac E. Rohren	Brazil	The Role of Interim 18F-Fluoride PET/CT in Patients Submitted to Radium-223 Therapy
136	V. Sivasubramaniyan K. Venkataramanah	India	Scintimetric Characterization of Skeletal Hot Spots in Carcinoma Prostate
256	L. Maffioli L. Dellavedova M. Carletto	EANM	Is the Biology of Prostate Cancer Related to 18F-Choline Uptake on PET/CT Scans? A Correlation with PSA Values and Gleason Score
347	S. Ballal P. Chakraborty P. Thakral M. Tripathy J. C. Das C. Bal	India	68Ga-PSMA PET/CT in the Evaluation of Prostate Cancer Patients

350	M.R. Modiselle M. Vorster M. Sathekge	South Africa	Association of 18F-Flouroethylcholine PET/CT with Gleason Score in Prostate Cancer
362	S. Balogova L. Michaud A. Estes V. Nataf V. Huchet D. Avenin C. Dubot K. Kerrou M. Tassart M. Wartski J.P. Lotz J.N. Talbot	Austria	18F-Fluorocholine PET/CT for the Detection of Progression of Castration-Resistant Prostate Cancer during Treatment
394	S.A. Vöö F. Mottaghy	Netherlands	68Ga-Labeled PSMA as a New Tracer for Evaluation of Prostate Cancer: Its Diagnostic Value in Patients with Biochemical Recurrence of Prostate Cancer
396	P. Andrzejewski P. Baltzer J. Knoth P. Kuess S. čnec G. Goldner W. Wadsak D. Georg T. Helbich P. Georg	Austria	Prostate Cancer Radiation Therapy Response Assessed with [11C]Acetate PET and MPMRI in the Absence of a Hybrid Scanner

Image Guided Therapy and Radionuclide Therapy

34	G. Huang J. Liu	ASNM	PET/CT: Tumour Response Assessment after Conventional and Targeted Therapy
61	Y. Peña-Quian T. Crombet-Ramos A. Perera-Pintado J.F. Batista-Cuellar L. A Torrez-Aroche A. Prats-Capote I. Mendoza-Hernandez D. Iils-Gonzalez J. Gonzalez-Gonzalez	Cuba	Immunoscintigraphy with 99mTc-hR3 to Evaluate the Efficacy of Treatment with Nimotuzumab in Patients with Prostate Cancer and Bone Metastases

89	S.S.H. Mohamed R. Al-Mazroui H. Bererhei O. Elshafie S. Sawhney N.Woodhouse A. Al-Jabri	Oman	Well Differentiated Thyroid Cancer: - The Efficacy of Thyroid Remnant Ablation with I-131 after rhTSH Stimulation and after Thyroxin Withdrawal: A prospective Randomized Controlled Trial
97	P.S. Chuah R. Brown I. Hufton G. Jones S. Vinjamuri	UK	Local Experience with the Use of 90Y-SPECT/CT and 90Y-PET/CT in the Assessment of 90-Yttrium Microsphere Biodistribution Following Selective Internal Radiation Therapy for Liver Tumours
148	S. Rahabi S.E. Bouyoucef	Algeria	Radionuclide Therapy with 153Sm-EDTMP in Painful Bone Metastasis
230	R. Kumar	India	Initial Experience with PET/CT Guided Biopsy/FNA Using Automated Robotic Arm
245	C.A. de los Reyes Y. Herrera F. Bastidas	Colombia	Use of 18F-FDG-PET/CT for Peritoneal Carcinomatosis before Hyperthermic Intraperitoneal Chemotherapy: A Clinic Case
247	C. Bal G. Arora S. Ballal M.P. Yadav	India	177Lu-DOTATATE Peptide Receptor Radionuclide Therapy in Patients with Inoperable and Metastatic Neuroendocrine Tumours: Experience with first 100 Cases from India
252	L.M Pabon-Castilla A. Alvarez-Paez E. Manzi	Colombia	Experience with 177Lu-DOTATE in Fundacion Valle de Lili of Cali, Colombia
284	E. Slobina T. Dokukina	Belarus	Integrated Modern Neuroimaging (NI) and Image-Guided Stereotactic Thermo/Radio Destruction in the Neurological Clinic of Metastatic Breast Cancer
323	L.M. Pabon-Castilla A. Alvarez	Colombia	Intracavitary Therapy with β Radiation-Emitting Nuclides in Cystic Craniopharyngioma: A Case Report
398	S. Paknikar S.H. Mehr MD J. Paknikar L. Nordquist	USA	Weight Loss in Metastatic Castration Resistant Prostate Cancer (mCRPC) Patients on Radium-223 Dichloride

Hybrid Imaging and Other Imaging Techniques in Gastrointestinal Cancers

40	M. Haidar M. Haddad F. Chehade J. Chokr A. Zaghal	Lebanon	Lebanese Experience with 68Ga-DOTATATE PET/CT in the Diagnosis and Management of Neuroendocrine Tumours
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47	T.H. Tan B.N. Lee C.Y. Boey	Malaysia	Impact of 18F-FDG PET/CT in Predicting Treatment Plan and Prognostication for Patients with Esophageal Carcinoma
51	V. Agarwal S. Pande S. Sahu R. Kavindran	India	Can We Predict Microvascular Invasion in HCC on 18F-FDG PET/CT?
52	V. Agarwal S. Pande N. Gangrade S. Sahu	India	Cholangiocarcinoma with Metastases to Breast: Rarer than a Rare Entity
63	S. Pande V. Agarwal D. Jangid A. Sen	India	Beyond Milan Criteria in Hepatocellular Carcinoma: Does Fluorine-18-Fluorodeoxyglucose 18F-FDG PET Hold the Key
81	F. Liu H. Zhu C. Xiong C. Li Z. Yang	China	Radio-Labeling Micro-PET Study of 68Ga Labeled Somatostatin Analogue Pasireotide-DOTA for Tumour Imaging
82	F. Liu H. Zhu C. Xiong C. Li Z. Yang	China	Preparation and Preliminary Biological Evaluation of Lu-177 Labeled Somatostatin Analogue DOTA-Pasireotide for Tumour Imaging
94	M. Qodsi-Rad R. Sadehgi	Islamic Rep. of Iran	Prognostic Significance of 18-F-FDG PET Imaging in Anal Canal Squamous Cell Carcinoma (SCC): A Systematic Review and Meta-Analysis of the Literature
101	A. Pruthi P. Pankaj R. Verma A. Jain E.S. Belho H. Mahajan	India	68Ga-DOTANOC PET/CT Imaging in Localizing the Primary Site in Patients Presenting with Metastatic Neuroendocrine Tumours and Its Impact on Clinical Decision Making: Experience from a Tertiary Care Centre in India
109	I. Slim M.F. Ben Slimene	Tunisia	The Usefulness of 111In - Pentetreotide SPECT/CT in the Assessment of Neuroendocrine Tumours
118	J. Das S. Ray S. Benerjee S. Sinha P. Roy	India	Comparison and Correlation of 18F-FDG PET/CT, Operative and Histopathological Findings in Gall Bladder Cancer –An Initial Experience
126	L. Nguyen	Vietnam	Value of 18F-FDG PET/CT in Staging and Prognosis of Primary Esophageal Cancer

129	K. Vankadari P. Pankaj	India	Yttrium-90 Radioembolization as an Emerging Locoregional Therapy for Unresectable Hepatocellular Carcinoma and Hepatic Metastases from Various Solid Tumours: A Single-Centre Experience of 30 Patients
131	I. Bandong J.R. Bandong	Philippines	Diagnostic accuracy of 18F-FDG and 68Ga-DOTATATE PET/CT in Detection of Neuroendocrine Tumour: A Meta-Analysis
133	Z. Kováčová J. Kubinyi D. Zogala A. Pudlač	Czech Republic	Focal Increased Activity in the Tumours Pancreas on 111In Octreotide Scan – Could 18F-DOPA PET Scan be Helpful?
135	S.E. Bouyoucef M. Habbeche	Algeria	SPECT/CT 99mTc-EDDA/ HYNIC-TOC in the Management of Neuroendocrine Tumours
168	R. Parghane B. Mittal R. Bhattacharya A. Sood	India	Clinical role of 18F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography (18F-FDG PET/CT) for Detecting Recurrence in Follow Up Cases of Gastric Cancer after Surgery
177	A.K.R Gorla B.R. Mittal R. Guptha A. Sood R. Kumar A. Bhattacharya	India	Prognostic Utility of Quantitative Metabolic Parameters Derived from Sequential 18F-FDG PET/CT Imaging in Patients with Oesophageal Squamous Cell Carcinoma
187	X. Yan A. Kasat	Singapore	Characterization and Clinical Significance of 68Ga-DOTA-Peptides in Uncinate Process of Pancreas
232	A. Llamas-Olier	Colombia	Well-Differentiated Neuroendocrine Tumours with Aggressive Behavior Frequently Display Predominantly Hyperglycolytic Tumours on 18F-FDG PET/CT
235	K.T. Mai N.H. Le	Vietnam	Value of 18F-Fluorodeoxyglucose Positron Emission Tomography/Computer Tomography (18F-FDG PET/CT) in Detection of Recurrence in Colorectal Cancer Patients
236	N.H. Le K.T. Mai	Vietnam	Utility of 18F-Fluorodeoxyglucose Positron Emission Tomography/Computer Tomography (18F-FDG PET/CT) in Initial Diagnosis and Staging of Patients with Primary Colorectal Cancer
254	E. Even-Sapir V. Koulikov	Israel	68Ga-PSMA PET/CT in Patients with Prostate Cancer. Initial Experience at the Tel Aviv Medical Center
285	M. Vangu K. Khushica N.N. Mkhize L. Louw N. Malan S. Dhoodhat	South Africa	The Role of 68Ga- DOTATATE PET/CT Imaging in Patients with 'Known' vs 'Suspected to Have' Neuroendocrine Tumours
289	A. Banchemer Merida J. Gaudiano	Uruguay	68-Ga-DOTATATE PET/CT in Insulinoma Detection

291	E. Skoura E. Panagiotidis O. Almukhailed M. E. Caplin I. Kayani R. Syed S. Michopoulou A. Alshammari J. Bomanji	Greece	The Role of 68Ga-DOTATATE PET/CT Imaging in Treatment Plan Change in Patients with Neuroendocrine Tumours
292	A.I. Santos T.N. Silva J.P. Teixeira C. Oliveira J. Castanheira H. Duarte D. Costa J. Portugal J. Santos	Portugal	Added Advantages of New Nuclear Medicine Radiopharmaceuticals – A Short Neuroendocrine Tumour Series
294	E. Skoura E. Panagiotidis O. Almukhailed M. E. Caplin I. Kayani R. Syed S. Michopoulou A. Alshammari J. Bomanji	Greece	Influence of 68Ga-DOTATATE PET/CT Imaging in the Decision of Peptide Receptor Radionuclide Therapy (PRRT) Administration
314	T. Kamoun I. Karfis G. Gebhart C. Garcia	Tunisia	Optimal Therapeutic Management of Metastatic Pancreatic Neuroendocrine Tumours by Complementary Molecular Imaging (18F-FDG and 68GA-DOTATATE PET/CT)
357	M. Urhan E. Akdemir I. Succulu O. Bilgi B. Karagoz Y. Kurt	Turkey	18F-FDG PET/CT for Delineating Intraabdominal Invasion from Gastrointestinal or Pelvic Malignancies
374	A.T. Orunmuyi M. Vorster M. Sathekge	South Africa	CA Esophagus: Role of PET/CT on Staging and Management
Hybrid Imaging and Other Imaging Techniques in Gynaecological Cancers			
16	M. Maharaj A. Pirjol	South Africa	A Case of Unsuspected Sarcoidosis on PET/CT in Ovarian Carcinoma
69	R. Morales R. Cano	Peru	Radioguided Surgery in Vulvar Cancer

158	B. Kim B.H. Byun K.C Lee K.M. Kim I. Lim M.H. Kim B.J. Kim S.Y. Ryu S.M. Lim	Republic of Korea	Comparisons of IntraTumoural Distribution of 64Cu-ATSM at Dual Time Point PET Scan and 18F-FDG PET Scan; Preliminary Results in Patients with Cervix Cancer
160	S. Chandran S. Simon I. Elangovan	India	Efficacy of 18F-FDG PET/CT in the Detection of Recurrent Gynaecological Malignancies
231	O. Diop R.S. Senghor S. Gassama B. Ndong J.Y Devaux	Senegal	Place of the Sentinel Node in Uterine Cancers: Preliminary Joint Study between Nuclear Medicine Departments of the Hospital St. Antoine of Paris and General Hospital of Grand Yoff of Dakar
241	R. Pruzzo H. Amaral E. Hernandez H. Lavados B. Morales D. Acuña	Chile	Histologic Correlation between 18F-FDG PET/CT and Lumboaortic Lymphadenectomy in Cervix Carcinoma
242	J.I Arma A. Mollerach I. Hume C. Collaud C. Cianciarelli L. Paganni V. Jager	Argentina	PET/CT and MRI in the Relapse of Cervical Cancer Followed Up in the Same Centre
368	K.O Olofade N. Mokgoro M. Modiselle M. Sathekge	South Africa	18F-FDG PET/CT: Metastatic Pattern in HIV Positive Patients with Recurrent Cervical Cancer

Radioguided Surgery

70	R. Morales R. Cano M. De la Cruz V. Polar	Peru	Correlation between Sentinel Node Lymphoscintigraphy and Guided Surgery in Acral Melanoma Patients
332	S.S Medina F.O. Garcia Pçerez D. Arguelles Q. G. Pitalua Cortes A. Garcia Resendez	Mexico	Radioguided Parathyroidectomy: A Single Centre Experience in Mexico.

POSTERS

WEDNESDAY, 7 OCTOBER 2015

Hybrid Imaging and Other Imaging Techniques in Benign Conditions and CNS/Brain Cancers

Member State Experience with PET, Multimodality Imaging and Newer Applications in Diagnostic Imaging, and Related IAEA Projects

Location: Ground floor corridor A & B buildings

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
8	P. Mohan G. Shroff H. Mahajan	India	Molecular Imaging in Response Evaluation to Human Embryonic Stem Cell Therapy in Neurodegenerative Diseases
12	T. Massardo J. Canessa J. Jofré P. Sierralta	Chile	Fluorine-18 Fluoro-2-Deoxy-D-Glucose is Helpful in Castleman's Disease Therapy Assessment
13	R. Yudistro R. Fransisca I. Dewi-Muljanto	Indonesia	Correlation between Glucose Metabolic Uptake Value and Clinical Cognitive Assessment Tools in Patients with Dementia
22	P. Sierralta J. Jofre J. Canessa T. Massardo	Chile	Our Experience with 18F-FDG and Oral Propranolol to Minimize Brown Adipose Tissue (BAT) Uptake
23	N.E. Kerik-Rotenberg I.E. Diaz-Meneses A. Reynoso-Mejia S. Rosas-Gonzalez	Mexico	18F-FDG PET/CT in Differentiating Dementias
24	I. Diaz N. Kerik	Mexico	Initial Clinical Experience with 11C-DTBZ PET for Movement Disorders at the National Institute for Neurology and Neurosurgery of Mexico
44	I. Elangovan S. Simon	India	Role of 18F-FDG PET/CT in Giant Cell Arteritis Presenting as Chronic Thrombocythemia
55	G. Bural S. Türe F. Gelal G. Akhan	Turkey	Fusion of Interictal 18F-FDG-PET and MRI is Feasible and Helpful in the Detection of Possible Epileptogenic Region

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
57	G. Bural A. Alacacioglu	Turkey	18F-FDG Uptake in Non-Paralyzed Vocal Cord: A Potential Cause of Possible Pitfall on PET/CT Imaging
66	S. Sidibé A. Koné B. Niaré	Mali	Contribution of Imaging in the Diagnosis of Stress Fractures in Point «G» Hospital, Bamako Mali
87	P.S. Chuah R. Brown S. Vinjamuri	UK	Our Experience Using F-18 Florbetapir Brain Imaging as Diagnostic Aid in Alzheimer's Disease in a University Hospital in United Kingdom
90	Z.H. Awang M.F. Khalil	Malaysia	18F-FDG PET/CT in Fever of Unknown Origin in Putrajaya Hospital, Malaysian Experience
104	P. Gupta P. Promila	India	Evaluation of the Role and Incremental Value of 18F – Fluoro Deoxyglucose PET/CT in Diagnosing the Cause of Fever of Unknown Origin
105	P. Gupta P. Promila	India	Role of 18F-FDG PET/CT Imaging in Diagnosis and Therapeutic Response Evaluation in Tuberculosis
111	R. Brown P.S. Chuah I. Hufton S. Vinjamuri	UK	Local Experience of Using Intravenous 99mTc Macroaggregated Albumin in the Diagnosis of Hepatopulmonary Syndrome
113	R. Brown P.S. Chuah R. Berhane Menghis S. Vinjamuri	UK	Local Diagnostic Performance Using Serial Brain Imaging with 99mTc-HMPAO and 123I-FP-CIT (DaTSCAN) in the Evaluation of Patients with Dementia when Differentiating Alzheimer's Disease from Lewy Body Dementia
146	M.A. Pineda-Tovar J.A. Ortega-Ramirez	Mexico	An Optimal Clinical Use of 18F-FDG PET/CT for the Evaluation of Myocardial Viability in Diabetic Patients
147	S. Alenezi N. Alnafisi S. Asaad S. Salem	Kuwait	The Added Value of 18F-FDG PET/CT in the Diagnosis of Chronic Osteomyelitis
153	D. Grigolato M. Cucca M. Zuffante M. Merighi A. Forni E. Concia M. Ferdeghini	Italy	The Utility of 18F-FDG PET/CT in Left Ventricular Assist Device Infection
216	L. Salazar-Vargas P. Orellana-Briones D. Vicentini-Harboe J.C. Pattillo C. Godoy F. de Barbieri	Chile	68Ga-DOTATATE PET/CT in the Guidance of Surgical Management in Neonatal Hyperinsulinism: A Case Report

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217	M. Štalc B. Simonič B. Guzič Salobir B. Vrtovec L. Ležaič	Slovenia	Assessment of Myocardial Contractile Reserve Added to Perfusion/Metabolism (SPECT-CT/PET/CT) Viability Study
219	Z. Ozcan Y. Ceylan M. Argin S. Bayraktaroglu A. Oral A. Akgun	WFNMB	Tuberculous Spondylitis: Detection on PET/CT and Correlation with MRI
271	D. Volterrani G. Puccini D. Frosini F. Guidoccio A. Accorroni E. Filidei A. Giorgetti G. Manca R. Ceravolo G. Mariani	Italy	18F-FDG PET in the Differential Diagnosis of Parkinsonism on an Individual Basis
283	A. Rahmani A.K. Lawal M.H. Vangu	South Africa	PET/CT Imaging in Takayasu's Arteritis – Should It Be the Standard of Reference?
293	T. Dokukina E. Slobina	Belarus	Combined Multimodality Modern Neuroimaging (NI) and Image-Guided Thermo/Radio Destruction in the Treatment of Epilepsy
310	G. Marcenaro P. Orellana-Briones J.C. Quintana D. Vicentini	Chile	18F-FDG PET/CT in the Evaluation of Vascular Disease
320	L.M. Pabon Castilla A.M. Alvarez M. Renjifo F. Medina J.C. Castro J.S. Toro M. Valenzuela E. Manzi	Colombia	Assessment of Vulnerable Atherosclerotic Plaque Using 18F-FDG PET/CT
321	K. Maguiña Aguedo P. Chavez	Peru	Increased 18F-Fluorodeoxyglucose PET/CT Uptake in Benign Eccrine Poroma Simulating Melanoma

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
322	A.M. Alvarez L.M. Pabon Castilla M. Renjifo M. Valenzuela F. Medina J.S. Toro	Colombia	Diagnostic Utility of 18F-FDG PET/CT in Infectious and Inflammatory Disease: Case Reports
334	J.H. Lee S.G.Park	South Rep. of Korea	The Relationship between Testicular 18F-FDG Uptake and Clinical Parameters
359	L.Michaud S. Balogova A. Burgess J. Ohnona V. Huchet K. Kerrou M. Lefrvre M.Tassart F. Montravers S. Perie J.N. Talbot	Austria	A Pilot Comparison of 18F-Fluorocholine PET/CT, Ultrasonography and 123I/99mTc-Sestamibi Dual-Phase Dual-Isotope Scintigraphy in the Preoperative Localisation of Hyperfunctioning Parathyroid Glands in Primary or Secondary Hyperparathyroidism - Influence of Thyroid Anomalies
375	A. Haeger D. Valenzuela J.C. Quintana P. Orellana Briones	Chile	68Ga DOTATATE PET/CT Uptake in Vertebral Hemangioma
383	E. Mora-Ramirez I. Berrocal-Gamboa	Costa Rica	CZT GAMMA Camera Multi-Pinhole and Thyroid Imaging. Preliminary Experience
386	A. Marti Samper A. Llamas-Olier	Colombia	18F-FDG PET/CT Interictal Seizure Focus Localization
Hybrid Imaging and Other Imaging Techniques in CNS/Brain Cancer			
74	S. Ray J. Das A. Chandra R. Schrimali S. Chatterjee	India	Incremental Value of Routinely Including Brain as a Part of the Whole Body 18F-FDG PET/CT and Use of Contrast for Staging NSCLC - Its Efficacy and Comparison with MR Imaging of Brain for Detection of Asymptomatic Brain Metastases
162	L. Cai S. Gao Y. Li Y. Wang H. Yang	China	18F-FDG 11C- MET, and 11C-CHO PET/CT in the Preoperative Evaluation of Suspected Adult Gliomas
282	N. Mkhize M. Vangu N. Muambadzi N. Malan	South Africa	18F- FDG PET/CT Imaging of Patients with Extra-Cranial Primary Cancer: Routine or Elective Inclusion of Brain in the "Whole Body" Protocol?

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287	E. Slobina N. Maroz- Vadalazhskaya	Belarus	Diagnostic Possibilities of Multimodality Imaging in Cardiological and Neurological Clinic of Metastatic Colon Cancer
290	C.Y Bentancourt Luca G. Lago A. Quagliata R. Castro A. Damian H. Engler	Uruguay	11C-Methionine and 18F-FMISO in the Diagnosis, Surgery and Radiotherapy Planning of Patients with Glioblastomas
296	F.Z. Muftuler A.Y Kilcar V. Evren E. Medine V. Tekin P. Unak	Turkey	A Novel Brain Imaging Agent for Diagnosis of Alzheimer's Disease; 99mTc-BH
325	A.M. Alvarez L.M. Pabon Castilla	Colombia	Role of 18F-FDG PET/CT in the Diagnosis of Rasmussen's Encephalitis
Member State Experience with PET, Multimodality Imaging and Newer Applications in Diagnostic Imaging, and Related IAEA Projects			
6	A. Pallewatte	Sri Lanka	A Study on Experience, Clinical Impact and Limitations of the Only PET/CT Facility in Sri Lanka
9	I. Kostadinova K.Minkin P. Dimova D. Zlatareva	Bulgaria	Our First Experience in Application of MRI, PET and Invasive EEG Data in Patients with Drug-Resistant Epilepsy
31	G. Castro A. C. Jiménez	Costa Rica	Feasibility of PET/CT in Costa Rica's Social Security System
37	T. Thientunyakit N. Wongsururawat C. Hannanthawiwat	Thailand	Relationship between Serum Glucose and 18F-FDG PET/CT Biodistribution Quality in Thai Cancer Patients
58	K. Myint	Myanmar	First PET/CT and Cyclotron in Myanmar: Challenges and Dreams
108	D. Piroiu R.Vladescu C. Popescu	Romania	Comparison between PET/CT, SPECT-CT and Planar Bone Scintigraphy in Following and Managing Cancer with Potential Bone Metastases - Bucharest Emergency University Hospital Experience

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
115	N. Ben-Rais R. Aouad A. Alj H. Guerrouj I. Ghfir M. Farhati	Morocco	Contribution of PET/CT in Infection - Moroccan Experience: Application in Tuberculosis Mimicking a Metastatic Cancer
116	G. Estrada J.L. Criales	Mexico	Use of Radium-223 in the Treatment of Bone Metastasis Secondary to Castration Resistant Prostate Cancer and Initial Experience in 1 Centre in Mexico
130	M.R. Mitetelu V.C. Mazilu	Romania	Status of PET/CT in Romania
134	N. Hossain K.A. Quadir F. Begum T.A. Biman M.A. Azim N. Islam	Bangladesh	Present Status of PET/CT and Cyclotron Facilities in Bangladesh - A Developing Country Profile and Experience
154	F.F. Faccio L. Rios A. Vazquez M. Fleurquin	Argentina	Prevalence of PET/CT Indications According to Diagnosis in a Medical Centre in the Province of Santa Fe, Argentina. Treatment Decisions Based on Results
159	T.K. Mai T.T. Ngo H.B. Tran D.H. Tran C.D. Le	Viet Nam	PET/CT in the Diagnosis and Treatment of Nasopharyngeal Cancer: Bach Mai Hospital Experiences
169	S. Hikmawati K. Kardinah	Indonesia	Indication Appropriateness of 18F-FDG PET/CT Examination in the Dharmais National Cancer Hospital
174	M.A. Abdul-Khader I.L. Shuib A. Khoo	Malaysia	Challenges in Setting Up a Nuclear Medicine and PET Training Programme: Triumphs and Tribulations, the Malaysian Experience
185	N.E. Delgado-Lopez J. Rada F. López C. Sánchez L. de la Rosa J. Otalora A. Llamas-Olier A. de los Reyes	Colombia	Radiopharmaceutical Production of 68GaDOTATOC at the National Cancer Institute
203	C.A Laterza Gatti E. Yanagida J. Cudas Thompson	Paraguay	Initial Experience with 18F-FDG – Positron Emission Tomography in Paraguay

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208	S. Nazarenko A. Samarin L. Karusoo R. Brand M. Paris M. Talk	Estonia	Is the Application of PET Studies Resilient to Recession?
213	N. Malan N.N. Mkhize D. Mpanya K. Mokoala M. Vangu	South Africa	Audit of 18F-FDG PET/CT in the Assessment of Cancer of Unknown Primary in South Africa
223	M. Zein	Syria	Optimization of Radioiodine 131 Dose in Treatment of Children with Diffuse Lung Metastasis from Thyroid Carcinoma- Local Experience at Al-Assad University Hospital, Damascus
224	R.S. Senghor O. Diop	Senegal	Improving the Management of Cancer Diseases in Senegal
225	S. Seck Gassama R. Senghor	Senegal	Preliminary Feasibility Study for the Implementation of a PET/CT Equipment in Senegal
244	F. Mohammed	Yemen	Contribution of Nuclear Medicine Services to the Medical Care in Yemen, the Challenges and Impact on Patient Care Management
246	S. Biswas Z. Hossain	Bangladesh	Role of 18F-FDG PET/CT Scan for Evaluating Newly Diagnosed Lung Cancer- Experience in Bangladesh
266	D. Mpanya A.B. Rahmani E. Hammond M. Vangu	South Africa	Is Cardiac PET Imaging for Viability Assessment an Unnecessary Luxury in Developing Countries?
270	C.T Mesquita F. Silva	Brazil	PET/CT in Latin America - Brazilian Experience
279	C. Wiefels C. Mesquita	Brazil	PET Research in Brazil: How Are We so Far?
313	S. Tarbagdo H. Sanon F. Ouattara S. Ouedraogo V. Gansore S. Amadou T. Tapsoba B. Ouattara	Burkina Faso	Nuclear Medicine in Burkina Faso Three Years Later: Difficulties and Prospects
315	L. Karusoo K. Tomberg A. Samarin S. Nazarenko	Estonia	18F-FDG-PET/CT: Changing Routine Practice in Evaluation of Bone Marrow Involvement in Hodgkin Lymphoma in North Estonia Medical Centre

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316	S. Rubow A. Africander A. Van Zyl Ellman	South Africa	Preparation of 68Ga Radiopharmaceuticals in a South African Hospital Radiopharmacy
319	S. Keriba M. I. Diarra R. Diakite S. Sidibé	Mali	Nuclear Medicine at Mali: Living on a Bad Moment, Having Faith and Highly Committed with the Future
340	S.C. Saiffudin	Malaysia	Challenges in Implementing Quality Assurance Programme (Qap) In PET Centres in Malaysia – A Regulatory Perspective
343	A. Naojee H.S.G. Dustagheer	Mauritius	The Growth of Nuclear Medicine in Mauritius
349	D.N. Prawiro	Indonesia	The First Year Experience of PET/CT Utilization in a Newly Built Private Hospital
353	H. Sonea L. Savurimuthu V. Sungkur C. Ahgun H.S. Dustagheer A. Naojee	Mauritius	Building Integrity of Nuclear Medicine into the Cardiology Field: The Mauritian Experience
356	A. Quinon	Philippines	Establishing Nuclear Medicine Facility Guided by IAEA Publication of Nuclear Medicine Resources Manual - Cagayan de Oro Experience
360	A.M. Alvarez L.M. Pabon Castilla M. Renjifo J.C. Castro J.S. Toro M. Valenzuela F. Medina E. Manzi	Colombia	Initial Experience of 18F-FDG PET/CT in the Foundation Clinic Valle Del Lili
365	N.R. Rakotondralambo R.A. Rasata	Madagascar	Nuclear Medicine in the Public Health Service in Madagascar, Capabilities and Perspectives
369	L. Adjouati D. Chenene A. E. Talbi L. Rania A. Zanoune S. E. Bouyoucef	Algeria	Nuclear Medicine at Algeria: Our Country's Experience from the Technologist Point of View

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381	H. Sonea L. Savurimuthu V. Sungkur C. Ahgun P. Ramdass H.S. Dustagheer A. Naojee	Mauritius	Safety and Effectiveness in Performing Pharmacological Stress Test Using Dipyridamole
384	M. Kalnina V. Skrivelis	Latvia	Challenges in Establishing First PET/CT Centre and Cyclotron Facility in Latvia
391	M. Pedrozo Arrura P. Galván G. Giménez N. Apuril B. Grossling	Paraguay	Nuclear Medicine at the Health Sciences Research Institute, National University of Asuncion): Current State and Projections
395	B. Ndong O. Diop	Senegal	Would the PET/CT with Choline Be Useful for Prostate Cancer Patients in Senegal
401	E. Janevik-Ivanovska M. Zdraveska-Kocovska M. Velickovska M. Angeleska K. Kolevska M. Atanasova M. Jancovsca F. Jolevski Z. Filipovski S. Nikolovski N. Ristevska T. Sazdov Z. Spirkovski E. Belopeta	The Former Yugoslav Republic of Macedonia	<i>Unique Pet Facility in Skopje - New Perspective for the Health Care of the Patients in the Balkan Region</i>

POSTERS

THURSDAY, 8 OCTOBER 2015

Imaging Techniques Physics, Instrumentation and Data Analysis

Radiopharmaceutical Production Including Good Manufacturing Practices and Quality

Radiation Protection for Personnel and Patients

Quality Management in Nuclear Medicine and Diagnostic Imaging

Ethics, Leadership, Education and Regulatory Issues for Nuclear Medicine and Diagnostic Imaging Professionals

Location: Ground floor corridor A & B buildings

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
	Imaging Techniques Physics, Instrumentation and Data Analysis		
4	G. Sarti C. Fabbri S. Sanniti F. del Dottore F. Busca	Italy	Pre-Therapeutic Dosimetric Studies and Post-Therapeutic Dosimetric Verification of Nuclear Medicine Therapeutics with SPECT-CT and PET/CT Imaging Systems
15	F. Hasford B. Van Wyk T. Mabhengu M. Vangu A.K. Kyere J.H. Amuasi	Ghana	Quantitative Assessment of PET/CT Image Uniformity
67	M. de Marco S. Maggi L. Falasconi	Italy	PET/CT Imaging Protocol Optimization for Evaluation of Patients with Implanted Cardioverter Defibrillator
68	N. Raina A. Sen A. Pathak D.R. Jangid	India	PET Cardiac Imaging-Reconstruction Parameters vs. Diagnostic Information
84	G. Rossi S. Fattori E. Brianzoni E. Biggi	Italy	124I PET/CT Dosimetry for Nuclear Medicine Therapy

<i>No of Poster IAEA-CN-232-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
120	H. Poláček R. Kaštil I. Režňak P. Kamencay Z. Pšenáková	Slovakia	MICADO - A New Collimator Concept and Device for Clinical Nuclear Medicine Imaging
142	A.H Ng S.L. Bugby L.K. Jambi M.S. Alqahtani D. Clay P.E. Blackshaw P.S. Morgan J.E. Lees A.C. Perkins	Malaysia	Hybrid Optical-Gamma Camera for Intraoperative Imaging: A Flexible Phantom to Assess System Performances for Sentinel Node Detection
149	H. Aldousari	Kuwait	The Hydration Behaviour of Hydrophilic Material in Biological Samples Using Ratio of 3-to-2 Photon Annihilation
157	J.J. González-González C.F. Calderón-Marin C. Valera-Corona A. Machado-Tejeda H.J. Gonzalez-Correa	Cuba	Philips Gemini TF64 PET/CT Acceptance Testing
192	J. Cal-Gonzalez I. Rausch T. Beyer	WFNMB	PET Quantification as a Function of the Total Acquisition Time in PET/CT
207	I. Rausch J. Cal-Gonzalez T. Beyer G. Minear	WFNMB	Performance Evaluation of the Biograph mCT-Flow PET/CT System According to NEMA NU2-2012 Standards
249	A. Skopljak-Beganović A. Beganović M. Gazdić-Šantić N. Salkica A. Drljević	Bosnia and Herzegovina	Effects of Reconstruction Parameters on SUV with NEMA 2007 IQ Phantom
250	S. Witoszynskij P. Andrzejewski B. Knäusel M. Hacker D. Georg	Austria	PET-MR in Radiation Oncology – How to Correct for Attenuation Caused by Flat Table Top?
262	W. Zhai W. He	China	Standardized Uptake Values of ^{99m} Tc-MDP SPECT Bone Scans - a Novel Method for Absolute SPECT/CT Quantification

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273	A. Vergara Gil L.A. Torres Arroches M.A. Coca Perez M. Pacilio F. Botta M. Cremonesi	Cuba	MCID: A Software Tool to Provide Monte Carlo Driven Dosimetric Calculations Using Multimodality NM Images
307	E. de Ponti S. Morzenti A. Zorz L. Guerra C. Landoni C. Spadavecchia A. Crespi	Italy	Physical Characterization of the New PET/CT Scanner Discovery IQ (D-IQ)
311	I. Berrocal-Gamboa E. Mora-Ramirez M. Torres-Gonzalez C. Fonseca-Zamora	Costa Rica	Imaging Co-Registration: Clinical Applications and Daily Practice
326	A.C. Fischer A.M. Marques-da Silva	Brazil	Implementation of a Strategy Towards Harmonization of PET/CT Quantification in Different Devices
344	N. Das A. Kumar R. Mishra J. Cherian D. Pandey N. Joshi	India	Comparison of SUV Lean Body Mass Using TOF And Non-TOF Reconstruction Technique
379	M. D'Arienzo M. Capogni V. Smyth M. Cox L. Johansson A. Fenwick J. Solc C. Bobin H. Rabus L. Joulaeizadeh	Italy	Dose Assessment in Molecular Radiotherapy: Need for Standardization and Harmonization of Nuclear Imaging Procedures
380	D.A. Arguelles Perez F.O. Garcia Perez Q.G. Pitalúa Cortés U. Martínez-Berry	Mexico	Initial Experience at the Instituto Nacional de Cancerologia (Mexico) of Coregistration of PET / MR Images in Oncological Diseases

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385	M. D'Arienzo M.L. Cozzella E. Spezi N. Patterson P. Chiaramida L. Filippi P. Carconi O. Bagni	Italy	90Y-PET Imaging after Liver Radioembolization for the Assessment of the Absorbed Dose to Lesions
390	H.A. Amaya-Espinosa W. Stiller L. S. Veloza-Salcedo	Colombia	Image Processing for Biological Tumour Volume Definition Based on 18F-FDG- PET/CT Imaging: Dynamic and Pharmacokinetic Aspects
Radiopharmaceutical Production Including Good Manufacturing Practices and Quality Assurance			
36	X. Liu L. Miao	China	Distributions in the Eyes and Brain of Guinea Pig by Micro-Positron Emission Tomography with Dopamine Transporter Imaging Agent 18F-FECNT
60	F. Zoppolo Lencina P. Buccino W. Porcal P. Oliver E. Savio H. Engler	Uruguay	11C-SAM: a New Potential Agent for Prostate Cancer Diagnosis
64	M.A. Azim K. Shiba T. Kozaka Y. Kitamura	Bangladesh	Synthesis and in Vitro Evaluation of Radiobrominated Benzovesamicol Analogue: Ortho-Bromo-Benzovesamicol as a Potential Sigma-1 Receptor PET Ligand
80	F. Liu H. Zhu Z. Yang	China	Preparation and Preliminary Biological Evaluation of Lu-177 Labeled DOTATATE
85	M. Silindir A.Y. Ozer S. Erdogan D. Guilloteau S. Chalon	Turkey	Comparative Evaluation of Pramipexole Encapsulated Theranostic Liposomes and Niosomes for Parkinson's Disease
106	A. P. Duran F. Müller J. Santifñan C. Peñaloza A. Coronel	Argentina	Labeling and Quality Controls of 68Ga-PSMA for Prostate Tumours

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161	C. Gameiro-Paris V. Kramer A. Abrunhosa G. Casale I. Oxley	Belgium	GMP Manufacturing of Multiple Radiopharmaceuticals in the Same System: IBA Synthera Synthesizer
170	P. Bhusari R. Vatsa J. Shukla B. Mittal G. Singh D. Dhawan A. Sood	India	Development and Radiolabeling of DOTA-Trastuzumab Conjugate as a Probable Probe for Theranostic Application of Her2/Neu Expressing Breast Cancers
178	V. A Trindade N. Bentancor H. Balter H. Engler	Uruguay	Radiochemical Characterization of a 68Ga-labelled PSMA Inhibitor for Prostate Cancer Imaging
180	J. Giglio I. Sanz H. Balter E. Savio A.M Rey Rios H. Engler	Uruguay	Quality Management System in the Production of Radiopharmaceuticals at the Uruguayan Centre of Molecular Imaging
190	D.K. Boddeti V. Kumar	Australia	Role of Gallium 68-Labeled Antimicrobial Peptide Ubiquicidin (29-41) in Staphylococcus Aureus Infection Imaging in Animal Model
198	S.K Nandy M.G.R. Rajan	India	Synthesis and Evaluation of 1-(2-[18F] Fluoroethyl)-2-Nitroimidazole for Hypoxia Imaging
200	Y.R. Nitin S. Nandy M.G.R. Rajan	India	Design and Development of a Low Cost Fully Automated Synthesis Module for the Production of Pharmacopeia Grade [18F]NaF

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220	L.M. Aonso Martinez M.L. Perez-Malo Cruz A. Xiques-Castillo R. Leyva-Montana M. Zamora-Barrabi A.M. Rodriguez- Sanchez M. Gongora-Bravo Y. Manresa-Sanchez	Cuba	Radiolabeling of Nimotuzumab Fab' fragment with 68Ga and 90Y: a potential Theranostic Agent for EGFR Overexpressing Tumors
226	K. Smilkov	The Former Yugoslav Republic of Macedonia	Substance P – A Possible PET Diagnostic Agent
227	D. Gjorgieva- Ackova K. Smilkov P. Makreski T. Stafilov E. Janevik-Ivanovska	The Former Yugoslav Republic of Macedonia	Development of Rituximab Radioimmunoconjugates as PET- Radiopharmaceuticals
239	N. Garg J. Shulka B. Mittal B. Singh	India	Quality Control of PET/CT Radiopharmaceuticals
240	P. Unak O. Kozgus Guldu E.I. Medine F.Z.B. Muftuler A. Y. Kilcar C. A. Ichedef	Turkey	Synthesis of Radioiodine Labeled Functional Magnetic Nanoparticles: L-PHA Lectin Conjugated MNPs and in Vitro Bioaffinities on Cancer Cells
251	I. Boros R. Smith F. Aigbirhio	UK	Validation Approach for a New PET Radiopharmaceuticals GMP Facility
253	K.O. Ogunjobi A. Adepoju O. Popoola A. Orunmuyi	Nigeria	Evaluation of the Labeling Efficiency of Technetium-99m Labeled Red Blood Cells of Breast Cancer Patients Receiving Cardiotoxic Drugs
281	I.U. Khan A. Shahid F. Ahmad F. Iram M.S. Iqbal	Pakistan	Developing 68Ga-Labeled Neuropeptide Y (NPY) Nanoconstructs as Potential PET Imaging Radiopharmaceuticals

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373	K.T Mai T. Nguyen-Thi H. Tran-Dinh T. Ngo-Thuy	Vietnam	Study on the Preparation and Quality Control of Labeled Monoclonal Antibody ^{131}I -Rituximab for Non-Hodgkin Lymphoma Therapy
393	A.M. Senisik A.Y. Kilcar E. Ucar K. Ari Y. Parlak B.E.S. Bilgin S. Teksöz	Turkey	Biological Evaluation of a ^{18}F -FDG-Labeled Small Peptide as an Imaging Agent
400	D. Mwanza Wanjeh A. Alemu J.M. Muchira E. Janevik- Ivanovska	The Former Yugoslav Republic of Macedonia	Establishment and Development of Good Radiopharmacy Practice in Eastern Africa - Tool for Recognized Young Radiopharmacists and Prospective for Nuclear Medicine
Radiation Protection for Personnel and Patients			
73	M. Marengo A. Infantino G. Cicoria D. Mostacci	Italy	Optimization of Site Planning of PET Cyclotrons Using Monte Carlo Simulations
95	C.F. Calderón Marín J.J. González- González C. Duménigo-Ámbar W. Quesada-Cepero B. Sinconegui- Gómez Y. Solá-Rodríguez M. Guerrero-Cancio	Cuba	Radiation Safety Analysis During the Design of PET/CT Facilities
143	E. Avila-Ramirez L.S. Veloza-Salcedo G. Villalobos-Benitez	Mexico	Low Activity of $^{99\text{m}}\text{Tc}$ -Tetrofosmin for Reducing Effective Radiation Dose in Patients Undergoing Myocardial Scintigraphy

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165	T. Donmoon W. Chamroonrat W. Changmuang S. Amnuaywattakorn C. Sritara M. Tuntawiroon	Thailand	Occupational Radiation Doses to Personnel from 18F-FDG PET/CT Procedures for Tumour Imaging in Ramathibodi Hospital
183	H. Speckter	Dominican Republic	Design of Inexpensive, Robust and Non-interactive Waste Water Retention Tanks for Diagnostic and Therapeutic Nuclear Medicine Facilities
233	N. Sirag A. Hussein	Egypt	Radiation Protection in Design of PET/CT Facility to Reduce Doses for Occupational Personnel and Patients
268	W. Zhai W. He	China	The Utility of Automatic Dispenser in Nuclear Medicine
300	J. Hudzietzová M. Fulop P. Ragan J. Sabol	Czech Republic	Improvements in the Identification of the Maximum Skin Exposure and the Position of its Maximum on the Surface of Hands of Workers Handling Selected Radiopharmaceuticals
312	E. Mora-Ramírez M. Salas-Ramírez I. Berrocal-Gamboa C. Fonseca-Zamora	Costa Rica	Radiation Protection Recommendations for Releasing Patients Treated with 131I for Thyroid Cancer: Theoretical Considerations for Specific Patient Approach
341	A. Mayer González	Mexico	Comparative Analysis of the Shielding Requirements for PET, between AAPM 108 and the Maximum Activity Requested
355	I.K. Budak H. Ozpinar N. B. Akyildiz M. Urhan	Turkey	Use of Digital Electronic Personnel Dosimeter to Improve the Staff from Radiation Protection
370	F. Zito G. Galetta L. Rossi L. Florimonte C. Canzi F. Voltini R. Benti E. Orunesu	Italy	18F-FDG Whole Body PET/CT: Dose Evaluation in Paediatric Patients

Quality Management in Nuclear Medicine and Diagnostic Imaging

30	A.C. Jiménez J. Villalobos-Rosales G. Castro A. Alfaro	Costa Rica	An Overview of the Impact Caused by the Quality Management Audit in Nuclear Medicine Practices (QUANUM) at the Hospital Rafael Ángel Calderón Guardia
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71	N. Raina A. Sen A. Pathak D.R. Jangid	India	Daily System Quality Check –Essential for PET/CT Performance
138	E. Lemos-Pereira M. Fernandes A. Garcia L. Oliveira P. Colarinha	Portugal	An Example of a Standardization Methodology Applied to Bone Imaging, within the Auspices of the Quality Management System
194	C. Arroyo-Castelán	Mexico	Importance of the Technical Procedures Manual in Areas of Nuclear Medicine (PET/CT)
212	S. Somanesan	Singapore	The Impact of a QUANUM Audit on the Practice of Nuclear Medicine
Ethics, Leadership, Education and Regulatory Issues for Nuclear Medicine and Diagnostic Imaging Professionals			
45	R. Morales	Peru	Multidisciplinary Teams Enhance Diagnosis and Treatment in Nuclear Medicine
119	M.M. Hasan F. Nasreen	Bangladesh	Asian School of Nuclear Medicine – An Emerging Platform of Nuclear Medicine Education
127	S. Saeed	Pakistan	Nuclear Medicine Education in Pakistan — Past, Present and Future
181	A.M. Rey Rios M. Terán A. León E. Savio	Uruguay	Implementation of a Flexible Radiopharmacy Postgraduate Programme in Uruguay for the Region: Acting Locally, Thinking Globally
269	S. Chen H. Shi	China	To Investigate the Nuclear Medicine PET/CT Standardized Training Model
397	A. Ugrinska D. Miladinova	The Former Yugoslav Republic of Macedonia	Continuous Medical Education of Nuclear Medicine Professionals in Macedonia

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STI/PUB/1381	IAEA Human Health Series No. 2: Quality Assurance Programme for Screen-film Mammography	2009
STI/PUB/1425	IAEA Human Health Series No. 4: Comprehensive Clinical Audits of Diagnostic Radiology Practices: A Tool for Quality Improvement. Quality Assurance Audit for Diagnostic Radiology Improvement and Learning (QUAADRIL)	2010
STI/PUB/1437	IAEA Human Health Series No. 5: Radiolabeled Autologous Cells: Methods and Standardization for Clinical Use	2015
STI/PUB/1394	IAEA Human Health Series No. 6: Quality Assurance for SPECT Systems	2009
STI/PUB/1416	IAEA Human Health Series No. 8: Clinical Translation of Radiolabeled Monoclonal Antibodies and Peptides	2009
STI/PUB/1438	IAEA Human Health Series No. 9: Appropriate Use of FDG-PET for the Management of Cancer Patients	2010
STI/PUB/1457	IAEA Human Health Series No. 11: Planning a Clinical PET Centre	2010
STI/PUB/1491	IAEA Human Health Series No. 16: Atlas of Bone Scintigraphy in the Developing Paediatric Skeleton: The Normal Skeleton Variants and Pitfalls	2011
STI/PUB/1482	IAEA Human Health Series No. 17: Quality Assurance Programme for Digital Mammography	2011
STI/PUB/1516	IAEA Human Health Series No. 18: Nuclear Cardiology: Its Role in Cost Effective Care	2012
STI/PUB/1557	IAEA Human Health Series No. 19: Quality Assurance Programme for Computed Tomography: Diagnostic and Therapy Applications	2012

STI/PUB/1560	IAEA Human Health Series No. 20: Practical Guidance on Peptide Receptor Radionuclide Therapy (PRRNT) for Neuroendocrine Tumours	2013	IAEA-TECDOC- 1605	IAEA TECDOC No. 1605: A Guide to Clinical PET in Oncology: Improving Clinical Management of Cancer Patients	2008
STI/PUB/1566	IAEA Human Health Series No. 23: Nuclear Cardiology: Guidance and Recommendations for Implementation in Developing Countries	2012	IAEA-TECDOC- 1597	IAEA TECDOC No. 1597: Clinical Applications of SPECT/CT: New Hybrid Nuclear Medicine Imaging System	2008
STI/PUB/1609	IAEA Human Health Series No. 24: Dosimetry in Diagnostic Radiology for Paediatric Patients	2013	IAEA-TECDOC- 1549	IAEA TECDOC No. 1549: Criteria for Palliation of Bone Metastases — Clinical Applications	2007
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STI/PUB/1616	IAEA Human Health Series No. 26: Standard Operating Procedures for PET/CT: A Practical Approach for Use in Adult Oncology	2013	IAEA-TECDOC- 1608	IAEA TECDOC No. 1608: Nuclear Medicine in Thyroid Cancer Management: A Practical Approach	2008
STI/PUB/1642	IAEA Human Health Series No. 27: PET/CT Atlas on Quality Control and Image Artefacts	2014	IAEA-TECDOC- 1537	IAEA TECDOC No. 1537: Strategy and Methodology for Radioactive Waste Characterization	2007
STI/PUB/1648	IAEA Human Health Series No. 29: Guided Intraoperative Scintigraphic Tumour Targeting (GOSTT) Implementing Advanced Hybrid Molecular Imaging and Non-imaging Probes for Advanced Cancer Management	2014	IAEA-TECDOC- 1603	IAEA TECDOC No. 1603: The Role of PET/CT in Radiation Treatment Planning for Cancer Patient Treatment	2008
STI/PUB/1680	IAEA Human Health Series No. 32: Clinical PET/CT Atlas: A Casebook of Imaging in Oncology	2015	IAEA-TECDOC- 1498	IAEA TECDOC No. 1498: Development of Radioimmunometric Assays and Kits for Non-clinical Applications – Proceedings of a final research coordination meeting held in Vienna, 6–10 December 2004	2006
STI/PUB/1498	IAEA Human Health Reports No. 4: Implementation of the International Code of Practice on Dosimetry in Diagnostic Radiology (TRS 457): Review of Test Results	2011	IAEA-TECDOC- 1183	IAEA TECDOC No. 1183: Management of radioactive waste from the use of radionuclides in medicine	2000
STI/PUB/1605	IAEA Human Health Reports No. 9: Quantitative Nuclear Medicine Imaging: Concepts, Requirements and Methods	2014	STI/PUB/1141	Non-serial Publications: IAEA Quality Control Atlas for Scintillation Camera Systems	2003
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			STI/PUB/1342	Non-serial Publications: Operational Guidance on Hospital Radiopharmacy. A Safe and Effective Approach	2008

STI/PUB/1371	Non-serial Publications: Quality Management Audits in Nuclear Medicine Practices	2009	STI/PUB/1088	IAEA Safety Standards Series No. WS- G-2.3: Regulatory Control of Radioactive Discharges to the Environment Safety Guide	2000
STI/PUB/1344	Non-serial Publications: Strategies for Clinical Implementation and Quality Management of PET Tracers	2009	STI/PUB/1093	IAEA Safety Standards Series No. GS- R-1: Legal and Governmental Infrastructure for Nuclear, Radiation, Radioactive Waste and Transport Safety	2000
STI/PUB/1617	Non-serial Publications: Nuclear Medicine Physics: A Handbook for Teachers and Students	2015	STI/PUB/1117	IAEA Safety Standards Series No. RS- G-1.5: Radiological Protection for Medical Exposure to Ionizing Radiation. Safety Guide	2002
IAEA-TCS-50	Training Course Series No. 50: Clinical Training of Medical Physicists specializing in Nuclear Medicine	2011	STI/PUB/1192	IAEA Safety Standards Series No. GS- G-1.5: Regulatory Control of Radiation Sources. Safety Guide	2004
IAEA-TCS-39	Training Course Series No. 39: Competency Based Hospital Radiopharmacy Training	2010	STI/PUB/1227	IAEA Safety Standards Series No. RS- G-1.9: Categorization of Radioactive Sources Safety Guide	2005
STI/PUB/1405	IAEA Radioisotopes and Radiopharmaceuticals Series No.1: Technetium-99m Radiopharmaceuticals: Status and Trends	2010	STI/PUB/1269	IAEA Safety Standards Series No. TS- G-1.3: Radiation Protection Programmes for the Transport of Radioactive material	2007
STI/PUB/1436	IAEA Radioisotopes and Radiopharmaceuticals Series No.2: Production of Long Lived Parent Radionuclides for Generators: ⁶⁸ Ge, ⁸² Sr, ⁹⁰ Sr and ¹⁸⁸ W	2010	STI/PUB/1253	IAEA Safety Standards Series No. GS- G-3.1: Application of the Management System for Facilities and Activities	2006
STI/PUB/1515	IAEA Radioisotopes and Radiopharmaceuticals Series No.3: Cyclotron Produced Radionuclides: Guidance on Facility Design and Production of [¹⁸ F] Fluorodeoxyglucose (FDG)	2012	STI/PUB/1467	IAEA Safety Standards Series No. GSG-2: Criteria for Use in Preparedness and Response for a Nuclear or radiological Emergency	2011
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STI/PUB/1674	IAEA Radioisotopes and Radiopharmaceuticals Series No.6: Radiopharmaceuticals for Sentinel Lymph Node Detection: Status and Trends	2015	STI/PUB/1570	IAEA Safety Standards Series No. SSR-6: Regulations for the Safe Transport of Radioactive Material	2012
STI/PUB/1348	IAEA Nuclear Security Series No. 9: Security in the Transport of Radioactive Material	2008	STI/PUB/1578	IAEA Safety Standards Series No. Radiation Protection and Safety of Radiation Sources: International Basic Safety standards:	2014
STI/PUB/1387	IAEA Nuclear Security Series No. 11: Security of Radioactive Sources	2009			

STI/PUB/1543	Safety Reports Series No. 71: Radiation Protection in Paediatric Radiology	2012	STI/DOC/010/466	Technical Reports Series No. 466: Technetium-99m Radiopharmaceuticals: Manufacture of Kits	2008
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STI/PUB/1118	Safety Reports Series No. 21: Optimization of Radiation Protection in the Control of Occupational Exposure	2002			
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STI/PUB/1343	Safety Reports Series No. 58: Radiation Protection in Newer Medical Imaging Techniques: PET/CT	2008			
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STI/DOC/010/471	Technical Reports Series No. 471: Cyclotron Produced Radionuclides: Guidelines for Setting Up a Facility	2009			
STI/DOC/010/468	Technical Reports Series No. 468: Cyclotron Produced Radionuclides: Physical Characteristics and Production Methods	2009			
STI/DOC/010/465	Technical Reports Series No. 465: Cyclotron Produced Radionuclides: Principles and Practice	2008			
STI/DOC/010/459	Technical Reports Series No. 459: Labelling of Small Biomolecules Using Novel Technetium-99m Cores	2007			

2015

International Conference on Global Emergency Preparedness and Response 19–23 October, Vienna, Austria

International Conference on Research Reactors: Safe Management and Effective Utilization 16-20 November, Vienna, Austria

2016

International Conference on Human and Organizational Aspects of Assuring Nuclear Safety – Exploring 30 Years of Safety Culture 22-15 February; Vienna, Austria

International Conference on Effective Nuclear Regulatory Systems: Sustaining Improvements Globally 11-15 April; Vienna, Austria

International Conference on Advancing the Global Implementation of Decommissioning and Environmental Remediation Programmes 23-27 May; Madrid, Spain

International Conference on Integrated Medical Imaging in Cardiovascular Diseases (IMIC 2016) 10-14 October; Vienna, Austria

3rd International Conference on Nuclear Knowledge Management – Challenges and Approaches 7-11 November; Vienna, Austria

International Conference on the Safety of Radioactive Waste Management 21-25 November; Vienna, Austria

2nd International Conference on Nuclear Security 5-9 December; Vienna, Austria

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