International Conference on Molecular Imaging and Clinical PET-CT in the Era of Theranostics

IPET - 2020

goes virtual

24 – 26 November 2020

BEYOND THE VISIBLE

PROGRAMME
TUESDAY, 24 NOVEMBER 2020

10:00 - 10:15
OPENING SESSION
Najat Mokhtar, Deputy Director General, Head of the Department of Nuclear Sciences and Applications, IAEA
May Abdel-Wahab, Director, Division of Human Health, Department of Nuclear Sciences and Applications, IAEA

PLENARY SESSION 1:
IAEA Coordinator: Diana Paez
Chairperson: Wim Oyen, EANM

10:15 - 10:30
The Burden of Cancer
Andre Ilbawi, WHO

10:30 - 10:45
Medical Imaging: A Global Perspective
Diana Paez, IAEA

10:45 - 11:10
Artificial Intelligence and Machine Learning
Georg Langs, ESR

11:10 - 11:30
Impact of Theranostics in Personalized Medicine
Wim Oyen, EANM

11:30 - 11:50
Immunotherapy
Jose Antonio Obando, SNMMI

11:50 - 12:05
Live Q/A

12:05 - 12:20
ABSTRACT SESSION 1
IAEA Coordinator: Francesco Giammarile
Chairperson: Henry Bom, ARCCNM

12:20 - 12:35
Break

12:35 - 12:55
Read with the Expert: CT Abdomen and Pelvis
Alvaro Huete, Pontifical Catholic University of Chile, Chile

12:55 - 13:15
Read with the Expert: CT Thorax
Tom Brian Lynch, Queen’s University Belfast, UK
CLINICAL SESSION 1: Colon Cancer
IAEA Coordinator: Olivier Pellet
Chairperson: Giuliano Mariani, University of Pisa, Italy

13:15 - 13:35
What the Clinician Needs to Know
Understand the importance of medical imaging in the management of patients with colon cancer
Vivek Subbiah, MD Anderson Cancer Center, USA

13:35 - 13:55
Role of PET/CT in Colon Cancer
Discuss the role of PET/CT in staging and follow-up of patients with colon cancer
Homer Macapinlac, MD Anderson Cancer Center, USA

13:55 - 14:10
Live Q/A

CLINICAL SESSION 2: Lung Cancer
IAEA Coordinator: Miriam Mikhail
Chairperson: Irene Virgolini, WARMTH

14:10 - 14:30
Radiation Therapy in Patients with Lung Cancer
Discuss the indications of radiation therapy in management of patients with lung cancer
Ciro Franzese, Humanitas Research Hospital - Humanitas University, Italy

14:30 - 14:50
Role of PET/CT in Solitary Pulmonary Nodule
Understand the complementary roles of CT and PET in the characterization of SPN
Elba Etchebehere, University of Campinas, Brazil

14:50 - 15:10
Role of PET/CT in Lung Cancer Staging
Discuss the role of PET/CT in staging and follow-up of patients with lung cancer
Victor Gerbaudo, Brigham and Women’s Hospital, Harvard Medical School, USA

15:10 - 15:30
Role of PET/CT in Radiation Therapy Planning
Discuss the role of PET/CT in radiation therapy planning for patients with lung cancer
Arturo Chiti, EJNMMI

15:30 - 15:45
Live Q/A

15:45 - 16:00
ABSTRACT SESSION 2
IAEA Coordinator: Miriam Mikhail
Chairperson: Akram Al-Ibraheem, King Hussein Cancer Center, Jordan

WEDNESDAY, 25 NOVEMBER 2020

CLINICAL SESSION 3: Head and Neck Cancers
IAEA Coordinator: Enrique Estrada
Chairperson: Gopinath Gnanasegaran, Royal Free London NHS Foundation Trust, UK

10:00 - 10:20
Role of CT and MRI
Recognize the role of CT and MRI in diagnosis, staging and follow-up of patients with head and neck cancers
Soraya Robinson, ESR

10:20 - 10:40
Role of PET/CT
Recognize the role of PET/CT in staging and follow-up of patients with head and neck cancers
Wim Oyen, EANM
10:40 - 10:55  Live Q/A

PLENARY SESSION 2:
Education, Ethics and Leadership
IAEA Coordinator: Diana Paez
Chairperson: Stefano Fanti, EANM

10:55 - 11:15  Ethics and Leadership
Sobhan Vinjamuri, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK

Understand the role of ethics and leadership in medical imaging

11:15 - 11:35  Challenges in Theranostics: Major Role of Education and Training
Jean-Luc Urbain, WFNMB

Discuss the major role of education and training in theranostics

11:35 - 11:55  Challenges in Education and Research in Nuclear Medicine
Andrew Scott, Olivia Newton-John Cancer Research Institute, Australia

Define the challenges in education and research in nuclear medicine

11:55 - 12:05  Live Q/A

12:05 - 12:20  ABSTRACT SESSION 3
IAEA Coordinator: Pilar Orellana
Chairperson: Jun Hatazawa, AOFNMB

12:20 - 12:35  Break

INTERACTIVE SESSION 2:
PET/CT
IAEA Coordinator: Enrique Estrada

12:35 - 12:55  Pearls and Pitfalls in PET/CT
Ora Israel, FSNMMI and Israel Institute of Technology - Technion Haifa, Israel

Discuss PET findings that should not be overlooked or misinterpreted

12:55 - 13:15  Appropriate Use of PET/CT in Paediatrics
Barry Shulkin, St. Jude Children’s Research Hospital, USA

Review the role of PET/CT in paediatric oncology, with special emphasis on appropriate use criteria

13:15 - 13:35  CLINICAL SESSION 4:
Lymphomas
IAEA Coordinator: Pilar Orellana
Chairperson: Arturo Chiti, EJNMMI and Humanitas Research Hospital - Humanitas University, Italy

13:15 - 13:35  What the Clinician Needs to Know
Samir Nabhan, Federal University of Parana, Brazil

Understand the role of medical imaging in the management of patients with lymphoma

Berardino de Bari, University of Neuchâtel, Switzerland

Discuss the indications of radiation therapy in the management of patients with lymphoma

13:55 - 14:25  Role of PET/CT in Staging and Evaluation of Treatment Response
Juliano Cerci, ALASBIMN

Discuss the role of PET/CT in staging follow-up of patients with lymphoma

14:25 - 14:40  Live Q/A

14:40 - 14:50  Break
CLINICAL SESSION 5: Gynaecological Cancers
IAEA Coordinator: Olivier Pellet
Chairperson: Ora Israel, FSNMMI and Israel Institute of Technology - Technion Haifa, Israel

14:50 - 15:10 Role of PET/CT in Gynaecological Cancers
Discuss the role of PET/CT in staging and follow-up of patients with gynaecological cancers
Giuliano Mariani, University of Pisa, Italy

15:10 - 15:30 Role of PET/CT in Breast Cancer
Discuss the role of PET/CT in staging and follow-up of patients with breast cancer
Rathan Subramaniam, University of Otago, New Zealand

15:30 - 15:45 Live Q/A

15:45 - 16:00 ABSTRACT SESSION 4
IAEA Coordinator: Olivier Pellet
Chairperson: Mohamad Haidar, ARSNM

THURSDAY, 26 NOVEMBER 2020

CLINICAL SESSION 6: Neuroendocrine Tumours
IAEA Coordinator: Francesco Giammarile
Chairperson: Ora Israel, FSNMMI and Israel Institute of Technology - Technion Haifa, Israel

10:00 - 10:20 Role of CT and MRI in NET
Recognize the role of CT and MRI in diagnosis, staging and follow-up of patients with NET
Dietmar Tamandl, ISR

10:20 - 10:40 Role of Somatostatin Receptor PET/CT in NET (Agonist/ Antagonist)
Understand the role of radionuclide imaging in the management of patients with NET
Guillaume Nicolas, Lausanne University Hospital, Switzerland

10:40 - 10:50 Lutetium-peptides Therapies in NET
Discuss the applications of beta-emitting radionuclide therapies in patients with NET
Irene Virgolini, WARMTH

10:50 - 11:00 Radionuclide therapies in NET: Role of Alpha-emitters
Discuss the applications of alpha-emitting radionuclide therapies in patients with NET
Jolanta Kunikowska, EANM

11:00 - 11:15 Live Q/A

CLINICAL SESSION 7: Thyroid Cancer
IAEA Coordinator: Pilar Orellana
Chairperson: Henry Bom, ARCCNM

11:15 - 11:30 Role of Medical Imaging in Thyroid Cancer
Understand the role of medical imaging in the management of patients with thyroid cancer
Partha Choudhury, WARMTH

11:30 - 11:45 Radionuclide Therapies: Where Are We?
Status, trends and new perspectives in radionuclide therapies of thyroid cancer
Markus Luster, University of Marburg, Germany
11:45 - 12:00  Case Reviews of Patients with Thyroid Cancer  
Sabina Dizdarevic, Brighton and Sussex University Hospitals NHS Trust, UK

12:00 - 12:15  Live Q/A

12:15 - 12:30  ABSTRACT SESSION 5
IAEA Coordinator: Enrique Estrada
Chairperson: Gopinath Gnanasegaran, Royal Free London NHS Foundation Trust, UK

12:30 - 12:45  Break

12:45 - 13:00  COVID -19
COVID-19: X-ray and US Features  
Ivana Blazic, ESR

Recognize X-ray and US features of COVID-19 pulmonary lesions

13:00 - 13:20  COVID-19: CT Features  
Marie-Pierre Revel, Paris Descartes University, France

1. Recognize chest-CT features of COVID-19 and other viral pneumonia
2. Detect CT signs of COVID-19 lung complications

Jamshed Bomanji, University College London, UK

Recognize features of COVID-19 in PET/CT or other nuclear medicine scans

13:35 - 13:55  CLINICAL SESSION 8: Prostate Cancer
IAEA Coordinator: Enrique Estrada
Chairperson: Arturo Chiti, EJNMMI and Humanitas Research Hospital - Humanitas University, Italy

13:35 - 13:55  What the Clinician Needs to Know  
Jochen Walz, Institute Paoli-Calmettes, France

Understand the role of medical imaging in the management of patients with prostate cancer

13:55 - 14:15  Role of MRI in Prostate Cancer  
Olivier Rouvière, University Hospital Centre of Lyon, France

Discuss the role of MRI in the evaluation of patients with prostate cancer

14:15 - 14:35  Role of PET/CT in the Evaluation of Prostate Cancer  
Stefano Fanti, EANM

Discuss the role of PET/CT in the evaluation of patients with prostate cancer

14:35 - 14:55  Radionuclide Therapies in Prostate Cancer  
Mike Sathekge, SNM and University of Pretoria / Steve Biko Academic Hospital

Evaluate the role of radionuclide therapies in patients with prostate cancer

14:55 - 15:10  Live Q/A
PLENARY SESSION 3: Future Directions

15:10 - 15:30
PET-CT: Biochemistry of the Living Body

1. Understand how radiolabelled molecules can be used to assess metabolic processes occurring within the cells

2. Discuss where we are and where we are going in the development of radiolabelled molecules for PET/CT

Marcus Hacker, AKH, Austria

15:30 - 15:50
Trends in Medical Imaging

Understand the trends and new perspectives in medical imaging

Richard Wahl, SNMMI and Mallinckrodt Institute of Radiology, Washington University in St Louis School of Medicine, USA

CLOSING CEREMONY

15:50 - 16:20
Highlight lecture

Highlights of IPET-2020

Andrew Scott, Olivia Newton-John Cancer Research Institute, Australia

16:20 - 16:30
Closing remarks

Diana Paez, IAEA
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