

International Conference on Hybrid Imaging (IPET 2024) CN – 326

IAEA Headquarters, Vienna, Austria, 7 – 11 October 2024

Preliminary Agenda

MONDAY, 7 OCTOBER 2024

| Time | Session Title / Break |
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| REGISTRATION – OPENING CEREMONY | |
| 08:00 – 10:00 | Registration |
| 10:00 – 10:05 | Welcome |
| 10:05 – 10:12 | Opening Address |
| 10:12 – 10:20 | The Importance of Upscaling Access to Medical Imaging and Its Inclusion in Health Technology Assessment and Governmental Plans |
| 10:20 – 11:00 | Panel Discussion: Advancing Medical Imaging: Innovations, Challenges, and Collaborations |
| 11:00 – 11:05 | IPET 2024 Administrative Remarks |
| 11:05 – 11:30 | <i>Coffee Break</i> |
| SESSION 1: KEYNOTE LECTURES | |
| 11:30 – 11:45 | Theranostics for Improving Lives – Rays of Hope Shining a Light in The World of Healthcare |
| 11:45 – 12:00 | Future of Theranostics |
| 12:00 – 12:15 | Advancing Frontiers in Hybrid Imaging for Precision Medicine |
| 12:15 – 12:45 | Abstract Highlights |
| 12:45 – 13:45 | <i>Lunch Break</i> |
| SESSION 2: PATIENT ADVOCACY, ETHICS, EDUCATION AND LEADERSHIP | |
| 13:45 – 14:00 | Patient Advocacy |
| 14:00 – 14:15 | Leadership in Nuclear Medicine and Radiology |
| 14:15 – 14:30 | Education and Continuing Professional Development (CPD) of NM Specialists |
| 14:30 – 14:45 | Education and CPD of Radiologists |
| 14:45 – 15:00 | Education of Radiographers |
| 15:00 – 15:30 | <i>Coffee Break</i> |
| SESSION 3: COLORECTAL CANCER | |
| 15:30 – 15:50 | Evaluation of Diagnosis, Staging and Follow-up |
| 15:50 – 16:10 | Role of PET/CT |
| 16:10 – 16:25 | Interactive Case Discussion – Radiology |
| 16:25 – 16:40 | Interactive Case Discussion – PET/CT |
| 16:40 – 17:00 | Question and Answer |
| SESSION 4: POSTER REVIEW 1 | |
| 17:00 – 17:30 | Poster Review |
| 17:45 – 20:00 | <i>Welcome Reception</i> |

TUESDAY, 8 OCTOBER 2024

| Time | Session Title / Break |
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| SESSION 5: PROSTATE CANCER THERANOSTICS | |
| 09:00 – 09:20 | Role of Multiparametric MRI in Prostate Cancer |
| 09:20 – 09:40 | Role of PSMA PET/CT and PET/MRI in Prostate Cancer |
| 09:40 – 10:00 | Radiation Treatment in Prostate Cancer: Radiation Oncologist Perspective |
| 10:00 – 10:30 | <i>Coffee Break</i> |
| SESSION 5: PROSTATE CANCER THERANOSTICS CONTINUED | |
| 10:30 – 10:50 | Conventional Treatments in Prostate Cancer: Medical Oncologist Perspective |
| 10:50 – 11:10 | Role and Advances in Labelled PSMA Therapies |
| 11:10 – 11:30 | Interactive Case Discussion / Tumour Board |
| SESSION 6: NEUROENDOCRINE TUMOURS | |
| 11:30 – 11:45 | Radiopharmaceutical Trends |
| 11:45 – 12:00 | Clinical Applications: Where We Are |
| 12:00 – 12:15 | Future of Theranostics |
| 12:15 – 12:45 | Interactive Case Discussion |
| 12:45 – 13:00 | Question and Answer |
| 13:00 – 14:00 | <i>Lunch Break</i> |
| SESSION 7: BREAST CANCER | |
| 14:00 – 14:15 | Screening: Role of Ultrasound and Mammography |
| 14:15 – 14:30 | Breast MRI |
| 14:30 – 14:45 | Interventional Breast Imaging |
| 14:45 – 15:00 | Role of PET |
| 15:00 – 15:15 | Molecular Breast Imaging: The Emerging Role of CZT |
| 15:15 – 15:45 | Interactive Case Discussion |
| 15:45 – 16:15 | <i>Coffee Break</i> |
| SESSION 8: POSTER REVIEW 2 | |
| 16:15 – 18:00 | Poster Review |

WEDNESDAY, 9 OCTOBER 2024

| Time | Session Title / Break |
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| | SESSION 9: PET/CT AND PRECISION MEDICINE FOR TREATMENT RESPONSE |
| 09:00 – 09:30 | Radiopharmaceuticals Beyond FDG |
| 09:30 – 09:50 | From Molecular to Surgery: Impact of Molecular Imaging in Oncological Surgery |
| 09:50 – 10:10 | Pitfalls in the Evaluation of Treatment Response |
| 10:10 – 10:30 | Tumour Board: Molecular Imaging in Oncological Surgery |
| 10:30 – 11:00 | <i>Coffee Break</i> |
| | PARALLEL SESSION 10.1: PAEDIATRICS |
| 11:00 – 11:20 | Trends in Neuroblastoma Diagnosis and Treatment |
| 11:20 – 11:40 | Hybrid Imaging in Bone Tumours |
| 11:40 – 12:00 | Status of PET/MRI in Paediatrics |
| 12:00 – 12:30 | Tumour Board: Molecular Imaging in Paediatric Oncology |
| | PARALLEL SESSION 10.2: MEDICAL PHYSICS AND TECHNOLOGY |
| 11:00 – 11:20 | Evaluation of a small cadmium zinc telluride detector for scintimammography |
| 11:20 – 11:40 | Innovations in PET: Changing from Analogue to Digital Systems |
| 11:40 – 12:00 | MIRDsoft.org - An SNMMI MIRDCOMMITTEE Initiative for Shareable Dosimetry Software Tools |
| 12:00 – 12:30 | Radiation Safety in Radionuclide Therapy |
| 12:30 – 13:30 | <i>Lunch Break</i> |
| | PARALLEL SESSION 11.1: MEDICAL PHYSICS AND TECHNOLOGY CONTINUED |
| 13:30 – 13:50 | A Basic Introduction to Total Body PET |
| 13:50 – 14:10 | The Potential in Monte Carlo Simulations for Nuclear Medicine Applications |
| 14:10 – 14:30 | Optimization of IQ and Activity Quantification in Cardiac Amyloidosis SPECT/CT Imaging Based on Phantom/Patient Studies |
| 14:30 – 15:00 | Artificial Intelligence in Medical Physics. IAEA Activities |
| 15:00 – 15:30 | Data Stewardship in Medical Imaging: Micro, Macro, and Global Perspective |
| | PARALLEL SESSION 11.2: NEUROIMAGING |
| 13:30 – 13:50 | Role of FDG PET for the Diagnosis of Mild Cognitive Impairment, Alzheimer's Disease, and Other Dementias |
| 13:50 – 14:10 | Appropriate Use Criteria for Amyloid PET |
| 14:10 – 14:30 | How to Report a Brain PET/CT Scan |
| 14:30 – 14:50 | Case Presentations Session 1 |
| 14:50 – 15:10 | Case Presentation Session 2 |
| 15:10 – 15:30 | Question and Answer |
| 15:30 – 16:00 | <i>Coffee Break</i> |
| | SESSION 12: POSTER REVIEW 3 |
| 16:00 – 17:30 | Poster Review |

THURSDAY, 10 OCTOBER 2024

| Time | Session Title / Break |
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| | SESSION 13: MUSCULOSKELETAL AND INFECTION |
| 09:00 – 09:20 | Future of SPECT/CT |
| 09:20 – 09:35 | Role of Multimodality Imaging in Musculoskeletal Cancer |
| 09:35 – 10:05 | Interactive Case Discussion |
| 10:05 – 10:30 | Question and Answer |
| 10:30 – 11:00 | <i>Coffee Break</i> |
| | SESSION 14: THYROID CANCER |
| 11:00 – 11:20 | The Use of I-131 in Differentiated Thyroid Cancer: Is There a Right Answer? |
| 11:20 – 11:40 | Interactive Case Discussion |
| 11:40 – 12:30 | Open Discussion: ETA – ATA Guidelines |
| 12:30 – 13:30 | <i>Lunch Break</i> |
| | SESSION 15: LUNG CANCER |
| 13:30 – 13:50 | Evaluation of Diagnosis, Staging and Follow-up |
| 13:50 – 14:10 | Role of PET/CT |
| 14:10 – 14:30 | Interactive Case Discussion – Radiology |
| 14:30 – 15:00 | Interactive Case Discussion – PET/CT |
| 15:00 – 15:30 | Open Discussion |
| 15:30 – 16:00 | <i>Coffee Break</i> |
| | SESSION 16: POSTER REVIEW 4 |
| 16:00 – 18:00 | Poster Review |
| 16:00 – 18:00 | SESSION 17: ORAL ABSTRACT PRESENTATION 1 |

FRIDAY, 11 OCTOBER 2024

| Time | Session Title / Break |
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| 09:00 – 10:30 | SESSION 18: ORAL ABSTRACT PRESENTATIONS 2 |
| 10:30 – 11:00 | <i>Coffee Break</i> |
| | CLOSING CEREMONY |
| 11:00 – 11:30 | Navigating the Present and Future of Theranostic Applications |
| 11:30 – 12:00 | Artificial Intelligence: Transforming Medical Imaging |
| 12:00 – 12:20 | IAEA's Contribution to Enhancing Nuclear Medicine and Radiology |
| 12:20 – 12:50 | Award Ceremony |
| 12:50 – 13:00 | Closing Remarks |