



SCIENTIFIC PROGRAM

27 March

08:00 - 08:15 **Participants Registration**

08:15 - 11:00 **OPENING SESSION – NUCLEAR MEDICINE CHALLENGES (I)**
Chairs: Elena Barbus Olariu, Iulia Chiriac

- 08:15 - 08:35** **Hepatic and pulmonary first-pass vasoconstriction triggered against potentially hazardous chemicals absorbed from the gut: its pathologic activation facilitates early colorectal cancer metastasis**
Mircea Dragoteanu (Romania)
- 08:35 - 08:55** **Pelvis imaging CT and MRI ad hybrid imaging related to bladder. Trend and future perspective technology**
Dragoș Cuzino (Romania)
- 08:55 - 09:20** **A different kind of hybrid - clinical research in Nuclear Medicine**
Ora Israel (Israel)
- 09:20 - 09:45** **The Evolving Role of Theranostics in the Multidisciplinary Care of Cancer Patients**
Homer Macapinlac (USA)
- 09:45 - 10:00** **Clinical Audit in Nuclear Medicine - a mere formality or an essential requirement?**
Elena Barbus Olariu (Romania)
- 10:00 - 10:20** **PET-CT examination with 18F-FDG under sedation in pediatric patients diagnosed with neuroblastoma a multidisciplinary challenge**
Mihai Guțu (Romania)



10:20 - 10:30

Q&A Session

10:30 - 11:00



SYMPOSIUM - MEDICAL GAZPLUS

The diagnosis of the future: PET-CT 720 and artificial intelligence in the service of Medical Oncology

Nathan Xu (*China*)

11:00 - 11:15



Coffee Break

11:15 - 12:05

PET-CT Challenges NM Challenges (II)

Chairs: Elena Barbus Olariu, Iulia Chiriac

11:15 - 11:25

(OP) When lungs speak: A diagnostic challenge in Hodgkin's lymphoma

Laura Bejinariu (*Romania*)

11:25 - 11:35

Decoding the gastric rhythm. Tailored medicine in evaluating complications and management of insulin-treated patients: the role of scintigraphy with 99mTc-DTPA

Radu Constantin (*Romania*)

11:35 - 11:45

PET/CT radiomics and correlations with tumor biomarkers in breast carcinoma. A pilot study

Alexandru Mitoi (*Romania*)

11:45 - 11:55

Case based approach in the diagnosis of prostatic adenocarcinoma with PSMA-ligand PET/CT

Oreste-Mihai Straciuc (*Romania*)

11:55 - 12:05

FGF23-Related Hypophosphatemia in a T1O patient diagnosed by SSTR-based functional imaging

Cati Stolniceanu (*Romania*)

12:05 - 13:00



Lunch Break



13:00 - 15:00

NUCLEAR CARDIOLOGY

Chairs: Raluca Mititelu, Claudiu Stan

*Session supported by **Pfizer** through an unrestricted educational grant*

13:00 - 13:10

Nuclear Cardiology – brief overview

Raluca Mititelu (Romania)

13:10 - 13:30

Nuclear Medicine in cardiology in 2025

Magdalena Gurzun (Romania)

13:30 - 13:50

Cardiac amyloidosis – current guidelines and best practice

Claudiu Stan (Romania)

13:50 - 14:15

Nuclear Medicine in cardiac amyloidosis. Clinical cases

Simona Ben-Haim (Israel)

14:15 - 14:35

Aortic stenosis and cardiac amyloidosis

Silviu Stanciu (Romania)

14:35 - 15:00

Q&A Session

15:00 - 15:10



Coffee Break

15:10 - 17:00

THERAGNOSTIC CHALLENGES (I)

Chairs: Savvas Frangos, Mirela Gherghe

15:10 - 15:35

Sequencing and Synergy in NET

Masha Maharaj (South Africa)

15:35 - 16:00

PSMA Therapy: Our first experience. Difficulties and challenges

Savvas Frangos (Cyprus)

16:00 - 16:25

Theranostics in Prostate Cancer: Heading toward new horizons

Daniela Oprea-Lager (The Netherlands)



16:30 - 17:00



SYMPOSIUM - SIEMENS HEALTHINEERS

SIEMENS - PET/CT - Advanced technologies

Mirela Gherghe

17:00 - 18:00



RSNMMI Assembly

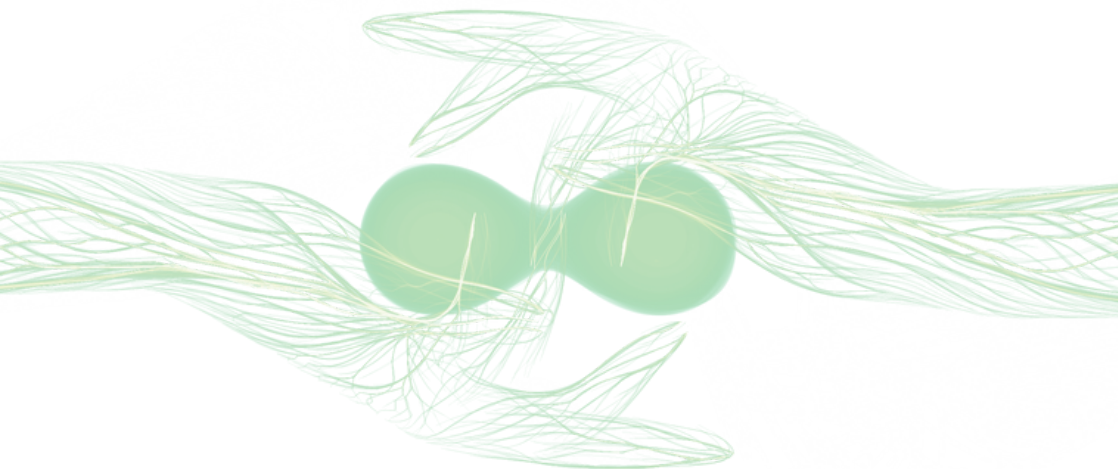
18:00 - 18:30

Opening Ceremony

18:30 - 20:00

Welcome Reception

„Stefan cel Mare” University, Exhibition Area





SCIENTIFIC PROGRAM

28 March

08:00 - 09:45

RADIONUCLIDE THERAPY AND THERANOSTIC (I)

Chairs: Mihai Guțu, Mario Mutuleanu

08:00 - 08:25

Challenges with PSMA Radiopharmaceutical Therapy

Hossein Jadvar (*USA*)

08:25 - 08:50

Role of FAPI PET/CT and Theranostics

Rakesh Kumar (*India*)

08:50 - 09:10

Selective Intra-Arterial Radioembolization: Enhancing Hepatocellular Carcinoma Care in Romania

Mirela Gherghe (*Romania*)

09:10 - 09:25

Personalized dosimetry in Y90 radioembolization: Practical consideration for treatment planning

Mario Mutuleanu (*Romania*)

09:25 - 09:45

Adverse effect of radiopharmaceuticals

Raluca Mititelu (*Romania*)

09:45 - 10:00



Coffee Break

10:00 - 12:10

CHALLENGES IN HYBRID IMAGING

Chairs: Doina Piciu, Mirela Gherghe

10:00 - 10:25

The Role of Imaging in the Treatment of Prostate Cancer

Anca Grosu (*Germany*)

10:25 - 10:45

Hybrid imaging in rare endocrine tumors

Doina Piciu (*Romania*)



10:45 - 11:10

Tips and Tricks about interpretation of CT component of PET-CT

Nina Tunariu (UK)

11:10 - 12:10

SYMPOSIUM - NOVARTIS

Theranostic Strategies for Prostate Cancer Treatment. A practical perspective

 **NOVARTIS** | Reimagining Medicine

Patient Selection & Treatment Response assessment with ¹⁷⁷Lu-PSMA

Nina Tunariu (UK) & Paolo Castellucci (Italy)

Logistic & Safety Standards in a PSMA PET-CT Center. Hot Lab in focus

Moez Trabelsi (UK) & John Watters (UK)

12:10 - 14:40

**RADIONUCLIDE THERAPY AND THERANOSTIC (II)
TARGETED ALPHA THERAPY: UPDATE AND FUTURE
PERSPECTIVES**

Chairs: Cipriana Ștefănescu, Wael Jalloul

12:10 - 12:35

Prospects of Clinical Alpha Therapy

Kalevi Kairemo (Finland)

12:35 - 12:55

The SECURE project – addressing the challenges in the supply of novel radionuclides for medical applications

Renata Mikolajczak (Poland)

12:55 - 13:10

Targeted Alpha Therapy: Radioisotopes physical characteristics, Dosimetry and Radiation Protection

Vlad Ghizdovăț (Romania)

13:10 - 13:20

Targeted Alpha Therapy: Current clinical evidence

Cipriana Ștefănescu (Romania)

13:20 - 13:30

Targeted Alpha Therapy: Review on the preclinical aspects

Wael Jalloul (Romania)



13:30 - 13:40

Prospects for the future of the SECURE project impact on nuclear imaging: collaboration, consortia and future projects

Carmen Mihai (*Romania*)

13:40 - 14:00



SYMPOSIUM - MONROL

Prostate cancer Theranostics with PSMA-Ligands: from molecular imaging to therapy

Harun Ihan (*Germany*)

14:00 - 14:15



SYMPOSIUM - TEHNOPLUS MEDICAL SRL & UNITED IMAGING HEALTHCARE

Uncompromised Clarity: The Power of Digital Lutetium Detector

Mario Medo (*Portugal*)

14:15 - 14:40



SYMPOSIUM - TEHNOPLUS MEDICAL SRL & UNITED IMAGING HEALTHCARE

From Pixels to Patients: The Real-World Impact of Enhanced PET/CT Imaging

Joniada Doraku (*Italy*)

14:40 - 15:10



Lunch Break

15:10 - 17:10

PRACTICAL AND TECHNICAL ASPECTS IN NUCLEAR MEDICINE

Chair: Claudiu Peștean

15:10 - 15:30

PET Image Acquisition and Reconstruction – the magic that turns a positron into pixels

Claudiu Peștean (*Romania*)

15:30 - 16:15

Managing Environment in the HotLab and Standards of Aseptic Dispensing

John Watters (*UK*)

Educational activity supported by Novartis



- 16:15 - 16:25** **The Modern Approach to Patient Care in Nuclear Medicine**
Simona Cruceanu (Romania)
- 16:25 - 16:35** **Assessment and optimization of quality control in
quantitative SPECT/CT imaging**
Elena Monica Frățiloiu (Romania)
- 16:35 - 16:45** **Lymphoscintigraphy – between challenge and innovation**
Mihaela Chisăliță (Romania)
- 16:45 - 16:55** **Special features of gastric emptying scientigraphy with
99mTc-DTPA - a practical approach**
Alina-Mihaela Timofti (Romania)
- 16:55 - 17:05** **The use of the gamma camera for the identification and
location of 137Cs and 90Sr radionuclides in the body of
contaminated workers from a nuclear power plant**
Maria Alina Gherman (Romania)

17:05 - 17:10



Coffee Break

17:10 - 18:10

Poster Debate Session

18:10 - 18:30

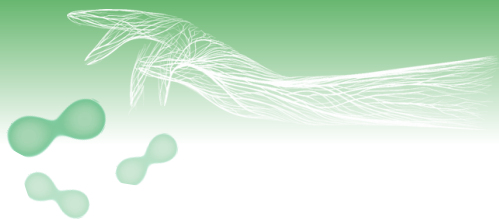
Closing Ceremony

20:00

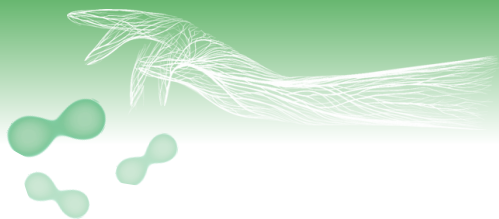
Congress Dinner

Ariata Events (Ilie Berari Street, Șcheia)

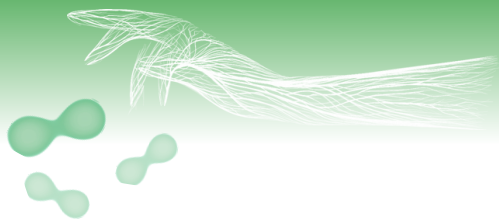
POSTER SESSION



- P1 A comparative analysis of SUVmax and SUVpeak in the quantitative evaluation of bone lesions**
Ruben-Marius Ancuceanu, Adriana Badea-Selea, Mario Mutuleanu, Mihai Iosif Szasz, Mirela Gherghe
- P2 Detectives in nuclear medicine: Locating hidden bleeding with labeled red blood cells**
Mihaela-Carmen Antohie, Dr. Irena Grierosu, Dr. Malina Epure, Dr. Raluca Rafaela Ion, Dr. Cipriana Stefanescu
- P3 The role of imaging in monitoring disease progression and treatment response in FIGO stage III-IV high-grade serous ovarian adenocarcinoma**
Maria-Adriana Atanase, Crăciun Dumitru, Ana-Magdalena Bratu, Raluca Mititelu
- P4 [18F]-FDG PET/CT in neurofibromatosis type 1: A valuable tool in identifying sarcomatous degeneration – A case report**
Adina Giorgiana Barabas, Tatiana Lucia Suta, Adriana Constantin, Mirela Gherghe
- P5 The amyloidosis heart revealed: Right ventricle and atrial uptake on radiolabeled bisphosphonates scintigraphy – A case report**
Bianca Constantinescu, Catalin Mazilu, Silviu Stanciu, Raluca Mititelu
- P6 Imaging options for monitoring therapeutic response in oropharyngeal squamous cell carcinomas**
Dumitru Craciun, Maria-Adriana Atanase, Cătălin Mazilu, Ana-Magdalena Bratu, Raluca Mititelu
- P7 Role of 18F-FDG PET/CT in the diagnosis and management of pediatric patients with Langerhans histiocytosis**
Polixenia-Laura Grecu-Bodnariuc, Diana Teodorescu-Perijoc, Marius-Mihai Guțu



- P8 Correlations between cardiovascular risk factors and the severity of myocardial lesions assessed by stress-rest SPECT-CT with Tc-99m-sestamibi**
Ionuț-Gabriel Ilinoiu, Miruna Matei, Raluca Mititelu
- P9 18F]-FDG PET-CT value in a challenging case of pseudomyxoma peritonei**
Ion Alexandru Ioana, Mario Mutuleanu, Adriana Badea-Selea, Rheea Miruna Lita, Mirela Gherghe
- P10 The diagnostic significance of 99mTc-EDDA-HYNIC-TOC scintigraphy in identifying primary tumor lesions in osteomalacia of unknown origin: Case report**
Delia-Marilena Ionescu, Ionela-Adriana Mărcușanu, Mirela Gherghe
- P11 The added value of hybrid [18F]FDG PET/CT imaging for therapeutic response assessment in a rare case of large vessel vasculitis**
Rheea Lita, Diana-Elena Vasile, Ionela-Adriana Mărcușanu, Adriana Constantin, Mirela Gherghe
- P12 Rare intersection: Pancreatic neuroendocrine tumors coexisting with acute pancreatitis – Diagnostic insights**
Rheea Lita, Adina Giorgiana Barabas, Mirela Gherghe
- P13 Spotted on PET-CT [18F]-FDG: Pericardial lesions: A case series**
Miruna Matei, Iona Hrapșă, Letitia Mititelu, Catalin Mazilu, Dragos Cuzino, Raluca Mititelu
- P14 18F-FDG PET-CT in infective endocarditis: Diagnostic performance and clinical implications**
Alexandru-Stefan Militaru, Diana Florentina Minea, Andreea Marin, Miruna Maria Matei, Dumitru Craciun, Victor Cătălin Mazilu, Raluca Mihaela Mititelu
- P15 Aspects related to radioprotection in bone scintigraphy**
Moisescu-Goia Cristina, Iulia Maria Cekan, Claudiu Pestean, Elena Olariu



- P16 Cyclotron-production of Ga-68 for radiopharmaceuticals at CCR (IFIN-HH)**
Andrei Necsoiu, Robert Maaz, Diana Cocioaba, Dragos Niculae, Liviu Craciun, Dana Niculae, Radu Leonte
- P17 Emergent medical radioisotopes produced at Radiopharmaceutical Research Centre of IFIN-HH**
Dragos Andrei Niculae, Robert Maaz, Andrei Necsoiu, Radu Leonte, Dana Niculae
- P18 The role of dual hybrid imaging with [99mTc]-EDDA-HYNIC-TOC and [99mTc]-Nanocoll in the differential diagnosis of neuroendocrine tumor versus accessory intrapancreatic spleen**
Razvan-Teodor Olariu, Mutuleanu Mario, Mirela Gherghe
- P19 Parathyroid scintigraphy with a pulmonary twist: Incidental diffuse 99mTc-MIBI uptake**
Georgiana Sabina Prisacariu, Mirel Gabriel Alexa, Maria-Alina Gherman, Victor-Cătălin Mazilu, Mihaela Raluca Mititelu
- P20 Pericardial cystic parathyroid adenoma: An uncommon feature in primary hyperparathyroidism**
Iulian-Alexandru Taciuc, Mario Mutuleanu, Claudiu Tupea, Mirela Gherghe
- P21 Incidental finding of reflex sympathetic dystrophy by [99mTc] bone scintigraphy**
Iulia Tircomnicu, Miriam Abas, Mihnea Paunescu, Mirela Gherghe
- P22 Invasive metastatic breast carcinoma or systemic sarcoidosis?**
Elena Vîlceanu-Merlușcă, Teodora Mititelu, Simona Mazilu, Cătălin Mazilu, Mihaela Raluca Mititelu