

**NATIONAL CONFERENCE OF NUCLEAR MEDICINE 3rd EDITION
TOGETHER WITH
INTERNATIONAL SEMINAR "APPLYING RADIONUCLIDES FOR THERAPY" (ART 2017)**

26-28 Oct, JW Marriott Bucharest Grand Hotel

SCIENTIFIC PROGRAM

Thu 26 October 2017

- 17.30 - 18.30 Registration of participants.
JW Marriott Hotel. More information will be available soon.
- 19.00 - 23.00 Welcome cocktail, official opening
Art Georgies Gallery, 107-109, 13 September Way (opposite JW Marriott)

Fri 27 Oct 2017 Working sessions, JW Marriott, Hall BC

- 8.00 - 8.15 Registration of participants
- 8.15 - 10.00 **Nuclear Medicine in Cardiology**
Chairpersons: A. Ciobanu, T. Nanea, A. Naum
- 8.15 - 8.30 Up-to-date of nuclear medicine in cardiology
S. Stanciu, M. Gurzun (Bucharest, Romania)
- 8.30 - 8.45 Combined Noninvasive Imaging of Diastolic Dysfunction
A. Naum, M. Gutu, P. Manea, I. Jari, M. Ursaru, D. Negru, C. Stefanescu (Iasi, Romania)
- 8.45 - 8.55 Reverse perfusion in Gated SPECT MPI. Case series Presentation
P. Capreanu, A. Chirila, G. Andries (Cluj Napoca, Romania)
- 8.55 - 9.05 Detection of cardiac amyloidosis with a bone seeking radiotracer
Claudiu Stan (Bucharest, Romania)

- 9.05 - 9.35 Multimodality cardiac imaging in coronary artery disease
Qaisar Siraj (Kuweit)
- 9.35 - 9.55 Nuclear imaging in cardiac resynchronization therapy
Claudia Buzumurga (Brasov, Romania)
- 9.55 - 10.00 *Discussions*
- 10.00 - 10.15 *Partner Presentation – LUMAMED Health & Care: "Intego™ Infusion System: from manual to fully automatic practice"*
Federica Matteucci
- 10.15 - 10.30 ***Poster walk and Coffee break***
- 10.30 - 13.00 **Theranostic. Molecular Imaging**
Chairpersons: S. Frangos, A. Zamfirescu
- 10.30 - 10.45 Quality assurance phantoms for SPECT and PET systems
Milena Dimcheva (Bulgaria)
- 10.45 - 11.15 Molecular Imaging in breast cancer
Partha Choudhury (India)
- 11.15 - 11.55 PSMA - Directed Prostanostics
Irene Virgolini (Austria)
- 11.55 - 12.10 Nuclear Medicine Techniques in the management of Multiple Myeloma
Raluca Mititelu (Bucharest, Romania)
- 12.10 - 12.40 Theranostic from 68Ga-DOTATOC to 177Lu-DOTATATE
J. N. Talbot, F. Montravers, M. Calzada, I. Keller, M. Gauthé, A. Dumont, V. Nataf (France)
- 12.40 - 12.55 *Partner Presentation - GE Healthcare: "Do numbers matter?"*
Ivalina Hristova
- 12.55 - 13.10 Financial opportunities for research in the EU

Flaviana Rotaru (Bucharest, Romania)

13.10 - 13.15

Discussions

13.15 - 14.00

Lunch

14.00 - 16.30

Thyroid

Chairpersons: D. Piciu, C. Badiu, A. Ugrinska

14.00 - 14.20

Nuclear Medicine - the past and the future

Diana Paun (Romania)

14.20 - 14.45

Thyroid Cancer Theranostics: using diagnostic radioiodine scans for 131-I treatment planning

Anca Avram (USA)

14.45 - 15.00

Tc 99m Thyroid Scintigraphy a very useful study to diagnosis the etiology of congenital hipotiroidism

Mariela Agolti (Argentina)

15.00 - 15.25

The art to apply the guidelines: The example of the Thyroid Cancer

Savvas Frangos (Cyprus)

15.25 - 15.45

Long-term follow-up analysis of juvenile DTC patients treated with I-131

Jasna Mihailovic (Serbia)

15.45 - 16.05

Individualized radioiodine treatment plan for patients with differentiated thyroid cancer

Ana Ugrinska (FYROM)

16.05 - 16.20

Partner presentation - UNIFARM: Nuclear Medicine and Thyroid: A historical perspective

Anca Zamfirescu

16.20 - 16.25

Discussions

16.25 - 16.40

Partner Presentation – MONROL

16.40 - 16.50 **Poster walk. Coffee break**

16.50 - 17.30 **Poster Presentation**

Poster authors or presenting authors are kindly required to be in front of their own poster and present his/her work during the Award Committee visit

17.30 - 18.30 **General Assembly of SRMNIM, JW Marriott Bucharest Grand Hotel, Hall BC**

19:30 **Galla Dinner - Official Dinner of the Conference**

Main Partner – MONROL

JW Marriott Bucharest Grand Hotel - Hall D

Sat, 28th Oct 2017 Working sessions, JW Marriott, Hall BC

8.45 - 10.30 **Radiopharmacy and research**
Chairpersons: D. Niculae, D. Draganescu

8.45 – 9.00 Development of New radiotracers for molecular imaging and systemic radiotherapy - our aim at
Radiopharmaceuticals Research Center
Dana Niculae (Bucharest, Romania)

9.00 - 9.15 The role of the radiopharmacists in obtaining a radiopharmaceutical
Doina Draganescu (Bucharest, Romania)

9.15 - 9.40 Targeted treatment of cancer using [F] 18 Fluorodeoxyglucose (FDG)
Doru Paul (USA)

9.40 - 9.50 Hadrontherapy in Romania
T.B. Sava, D.A. Mirea, D. Nicula, M. Radu, I. Ursu (Bucharest, Romania)

- 9.50 - 10.20 Is there anything new in the pipeline of radionuclide imaging and therapy?
Adriano Duatti (Italy)
- 10.20 - 10.40 Nuclear Medicine in Romania: considerations on available and essential non-available radiotracers
C. Stefanescu, V. Ghizdovat, R. Iacob, I. Grierosu, A. Timofte, O. Perju (Iasi, Romania)
- 10.40 - 10.55 *Discussions*
- 10.55 - 11.15 Poster walk. Coffee break**
- 11.15-13.40 Hybrid imaging. Correlative imaging**
Chairpersons: C. Stan, V. Artiko
- 11.15 - 11.25 Cardiac amyloidosis and bone scintigraphy
T. M. Ionescu, A. Basa, A. M. Statescu, I. C. Grierosu, M. Gutu, L. Vasiliu, C. Stefanescu (Iasi, Romania)
- 11.25 - 11.45 Diagnosis and follow-up of bone metastases
Marina Garcheva (Bulgaria)
- 11.45 - 12.00 The assessment of pathologic haemodynamic and diagnosis in Budd-Chiari
M. Dragoteanu, I. Balea, C. D. Piglesan, I. Duca, D. Matei, F. Gaur (Cluj Napoca, Romania)
- 12.00 - 12.20 Is there a role of FDG PET/CT in evaluation of therapy response in patients with Sarcoidosis and extrapulmonary Tuberculosis?
Dragana Sobic Saranovic (Serbia)
- 12.20 - 12.40 The added value of SPECT-CT in the pathology of extremities and joints
G. Andries, A. Pavel, M. Nemes (Cluj Napoca, Romania)
- 12.40 - 13.10 Hybrid Imaging in Diabetic Foot
Ora Israel (Israel)
- 13.10 - 13.25 Cyclotron Technetium Production: A Chance for International Cooperation

Ciprian Draganescu (Martinique)

13.25 - 13.40

Discussions

13.40 - 14.30

Lunch

14.30 - 16.00

Nuclear Medicine in Neurology

Chairpersons: C. Stefanescu, A. Pusztai

14.30 - 14.55

FDG-PET/CT in diagnostic of epilepsy

O. Straciuc, C. Oncu, I. Mandruta, D. Craiu, O. Tarta-Arsene (Oradea, Romania)

14.55 - 15.35

Novel analysis methods in cerebral neurodegenerative diseases diagnosis by PET

Marco Pagani (Italy)

15.35 - 15.45

Discussions

15.45 - 16.00

Poster walk. Coffee break

16.00 - 18.00

PET-CT

Chairpersons: O. Israel, D. Sobic Saranovic

16.00 - 16.20

PET/CT imaging of extranodal Non Hodgkin Lymphoma

Catalin Mazilu (Bucharest, Romania)

16.20 - 16.40

PET/CT imaging of hepatobiliary tumors

Vera Artiko (Serbia)

16.40 - 17.00

PET-CT exam in the management of patients with pulmonary carcinoma; contribution of new respiratory gating modality.

Mirela Gherghe (Bucharest, Romania)

- 17.00 - 17.30 PET/CT in metastatic cancer of unknown origin
O. Israel (Israel)
- 17.30 - 17.50 The impact of time interval after chemotherapy on FDG uptake in lymphoma patients
A. Naum, M. Gutu, I. Anton, C. Stefanescu (Iasi, Romania)
- 17.50 - 18.00 *Discussions*
- 18.00 - 18.15 Closing remarks**

POSTER PRESENTATION

- P1** Congenital abnormalities of the thyroid gland. Anatomical - scintigraphic study
M. Pusztai, L. I. Patrascu (Timisoara, Romania)
- P2** Lymphedema. Scintigraphic diagnosis.
M. Pusztai, L. I. Patrascu (Timisoara, Romania)
- P3** $^{68}\text{Ga}/^{177}\text{Lu}$ radiolabeled compounds for targeting neurotensin receptors. Synthesis and in vitro/in vivo evaluation
D. Niculae, D. Draganescu, R. A. Leont, A. Raicu, E. A. Min, L. E. Chilug, R. M. Serban, M. I. Gruia, M. Panait and V. Negoita (Bucharest, Romania)
- P4** Sentinel lymph node detection by lymphoscintigraphy in malignant melanoma
C. Tipar, R. Mititelu, C. Mazilu, A. Serban, V. Nicolau, E. Rusu, M. Ceausescu (Bucharest, Romania)
- Complementary radiotracer scintigraphy investigation in a rare case of neuroendocrine tumors associated with Polyostic Fibrous Dysplasia
C. R. Stolniceanu, T. M. Ionescu, L. Agrigoroaie, A. M. Statescu, I. Grierosu, C. Ungurenu, C. Vulpoi, C. Stefanescu (Bucharest, Romania)
- P6** Radiotracers uptake mechanism studies by SPECT and PET-MRI animal model images

C. Stefanescu, M. Gutu, T. Ionescu, G. Dodi, B. Tamba (Iasi, Romania)

P7

Pathological Features in Parathyroid Scintigraphy

D. Chetan, C. A. Sfrangeu, C. Ledrer (Brasov, Romania)

Comparative biological profile of 68Ga somatostatin - analogue for colorectal adenocarcinoma and glioblastoma diagnosis

E. A. Min, L. E. Chilug, A. Raicu, R. M. Serban, R. A. Leonte, D. Niculae, D. Draganescu (Bucharest, Romania)

P9

New and emerging medical radioisotopes: challenges and alternative production routes

F. D. Puicea, R. A. Leonte, G. Cata-Danil, A. Silisteanu, D. Niculae (Bucharest, Romania)

P 10

Sclerosing papillary thyroid carcinoma variants: clinical presentation and outcomes of 42 consecutive cases

Chiriac, M. Purice, G. Voicu, D. Neagu, F. Alexiu, A. L. Goldstein, (Bucharest, Romania)

P11

Intraoperative gamma-probe localisation of an ectopic tertiary hyperparathyroid adenoma

L. Agrigoroaie, R. Iacob, G. Stefanet, T. Ionescu, A. M. Statescu, R. Danila, M. Gutu, I. C. Grierosu, C. Stefanescu (Iasi, Romania)

P12

Clinical Case - Lymphedema or Lipedema?

L. Agrigoroaie, W. Jalloul, I. C. Grierosu, C. Stefanescu (Iasi, Romania)

P13

Bone metastases in parotid neoplasia

M. Folea, L. Agrigoroaie, T. M. Ionescu, I. Ionasa, M. Statescu, R. Danila, M. Gutu, C. Stefanescu (Iasi, Romania)

P14

Analysis of radio iodine therapy and prognostic factors of differentiated thyroid cancer patients from BIOMAT ENDO data base

M. Purice, I. A. Chiriac, M. Radulescu, A. C. Mihai, A. L. Goldstein (Bucharest, Romania)

P15

Toward an automatic whole-body Tc^{99m}-HDP scintigraphy diagnostic based on digital image features quantification

Grigoriu, M. S. Budau, I. Harabagiu, M. Onu (Bucharest, Romania)

P16

Unusual musculoskeletal metastasis in a colorectal cancer patient: Case report

M. Gutu, T. Ionescu, L. Agrigoroaie, M. Gutu, A. M. Statescu, I. Grierosu, F. Crumpei, C. Lupascu, C. Stefanescu (Iasi, Romania)

- P17** Methods for quality control of ^{68}Ga radiolabeled peptides
M. Mihon, C. Manea, D. Niculae (Bucharest, Romania)
- P18** Preclinical evaluation of DOTA/NODAGA cyclo-RGD peptides labelled with Ga for imaging of integrin receptors
R. Leonte, L. Chilug, F. D. Puicea, A. Raicu, E. A. Min, A. Silisteanu, G. Manda, C. Mustaciosu, D. Draganescu, D. Niculae (Bucharest, Romania)
- P19** The *in vitro* evaluation of the radiotoxicity of pharmacological compounds
R. M. Serban, E. Min, M. Temelie, D. Niculae (Bucharest, Romania)
- P20** False positive in whole body scintigraphy with ^{131}I -Ina
R. Iacob, A. Basa, T. M. Ionescu, C. Carja, L. Agrigoroie, C. Stefanescu (Iasi, Romania)
- P21** Assessment of radioisotopes production for medical applications at ELI-NP
S. Ilie, D. Niculae, C. A. Ur (Bucharest, Romania)
- P22** Brown adipose tissue: The importance of its clinical use and diagnosis
W. Jalloul, A. Basa, I. C. Grierosu, C. Stefanescu (Iasi, Romania)
- P23** Right Ventricle imaging methods in obstructive sleep apnea syndrome - a three-dimensional transpulmonary contrast enhanced echocardiography and nuclear cardiac imaging study
M. M. Micheu, G. Nicula, N. Oprescu, O. C. Deleanu, M. Dorobantu (Bucharest, Romania)
- P24** Ensuring protection and safety in the handling of deceased person that are known to contain unsealed radioactive as a result of medical treatment - health authority case study
F. Ciupagea, M. Anghene, G. Rosca Fartat, A. Zamfirescu, C. Petroiu (Bucharest, Romania)
- P25** Endometrial cancer sentinel lymph node mapping: preliminary results
I. C. Grierosu, M. C. Tirnovanu, C. Mucelinita, A. M. Cozoreanu, L. Agrigoroie, C. Stefanescu (Iasi, Romania)