

30.05. - 02.06.2024 Hotel Holiday Inn, Skopje, North Macedonia

BCNM 2024

11[™] BALKAN CONGRESS OF NUCLEAR MEDICINE

Macedonian Association of Nuclear Medicine

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PROGRAM



ORGANIZER

Macedonian Association of Nuclear Medicine
Under the auspices of:
University Institute of Positron Emission Tomography,
Institute of Pathophysiology and Nuclear Medicine, Medical Faculty
University Ss" Cyril and Methodius "Skopje
With Support from:
International Atomic Energy Agency (IAEA)
European Association of Nuclear Medicine (EANM)

ORGANISING COMMITTEE:

Ana Ugrinska Tanja Makazlieva Nevena Manevska Toni Tripunoski Maja Velichkovska Maja Chochevska Biliana Crcareva Keti Veljanova Liljana Todorovska Filip Jolevski Elena Stanojevska Maia Zdravkovska Nikolina Bozinovska Bojana Stoilovska Rizova Anamarija Jankulovska Slavko Tasevski Dusica Stefanovski Simon Besliev





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ACCREDITATION

The Congress is accredited by Doctor's Chamber of Republic of North Macedonia with 16 points for active participation and 11 points for passive participation.



This year Balkan Congress of nuclear Medicine is organized by Macedonian Association of Nuclear Medicine in collaboration with the Balkan Societies of Nuclear Medicine in the capitol of North Macedonia, Skopje.

It is an opportunity to gather nuclear medicine professionals as well as colleagues from other specialties tightly connected to the field of nuclear medicine with it's diagnostic and therapeutic possibilities. The scientific program will cover the most recent advances and practices in the fields of molecular imaging and therapy with radionuclides.

This year special topic is embedded in the panel "Strengthening the Science and Research in Nuclear Medicine at the Balkans" with esteemed panelists from relevant organizations & institutions who will explore the different possibilities to expand the regional collaboration in this field.

Join us in Skopje, follow the lectures from esteemed lecturers, get acquainted with the new developments in the industry, share your knowledge and experiences and network with colleagues from the Balkan and all around the world.

Welcome!

Yours sincerely,
Prof dr Ana Ugrinska
President of the
Macedonian Association
of Nuclear Medicine









THURSDAY 30.05.2024

18:00 - 21:00

Opening of the Congress Welcome Cocktail

FRIDAY 31.05.2024

BASIC SCIENCE

Chairs: M. Marengo & M. Koole

8:15 - 8:30

Stankovic A. (Bosnia and Herzegovina)

Challenges in developing first laboratory for theranostics in Bosnia and Herzegovina

8:30 - 8:45

Chochevska M. (North Macedonia)

Implementation of quality management system in healthcare institution for the production of radiopharmaceuticals and nuclear medicine practice

8:45 - 9:05

M. Marengo (Italy)

Risk management and its tools: a new IAEA initiative

9:05 - 9:15

Discussion

9:15 - 9:45

Oral presentations

M. Atanasova Lazareva (North Macedonia)

Development and implementation of [18F]NaF radiopharmaceutical production in University Institute of Positron Emission Tomography



Chochevska M. (North Macedonia)

Development of [18F]Fluoromisonidazole synthesis method by cartridge purification

Arshiya A. A. (Poland)

Exploring Intermediate Energy Cyclotron-Based Proton Irradiation for Radionuclide Production in Medical Applications

K. Kolevska (North Macedonia)

Feasibility study - a mean for multi-faceted assessment of the idea of establishing radioisotope production and introducing new radiopharmaceuticals into clinical practice

B. Kovan (Turkey)

Effect of 99MTC-MAA image reconstruction values on dosimetry in tare treatment

B.ljuš (Serbia)

The effect of selecting the shape of the region of interest in static kidney scintigraphy on the determination of split renal function

D. Jashar (North Macedonia)

Cytological classification of thyroid lesions according to Bethesda

9:45-10:15 Coffee break

THYROID

Chairs: S. Frangos & A Ugrinska

10:15-10:35

I. lakovou (Greece)

lodine refractory DTC from the point of nuclear medicine physician

10:35- 10:50

T. Makazlieva (North Macedonia)

The prognostic significance of BRAFV600E mutation in papillary thyroid carcinoma

10:50- 11:05

V. Majstorov (North Macedonia)

Immune check point inhibitors and thyroid disorders



11:05 - 11:25

M. Tuncel (Turkey)

New PET radiotracers for thyroid cancer imaging

11:25 - 11:40

B. Izic (Bosnia and Herzegovina)

Urban Air Pollution Associated with the Incidence of Autoimmune Thyroid Diseases

11:40 - 11:55

L. Kostadinova (North Macedonia)

Oncology systemic therapy and personalised medicine in management of advanced/metastaic thyroid cancer

12: 00- 13:00 Varus Symposia Prof. dr. V. Majstorov

Institute of Pathophysiology and Nuclear Medicine, Medical Faculty , UKIM, Skopje

Thyroid disorders in reproductive-age women

13:00 - 14:00 Lunch break

NEUROLOGY

Chairs: G. Gnanasegaran & I. lakovou

14:00-14:20

M. Pagani (Italy)

Neurodegeneration and cognition: the contribution of neuroimaging.

14: 20- 14:35

T. Makazlieva (North Macedonia)

Brain SPECT perfusioin in diagnosis of atypical focal variants of Alzheimer dementia

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14:35 - 14:50

E. Cvetkovska (North Macedonia)

Epileptic networks and their dynamics before, during, and after seizures elucidated through PET and SPECT imaging

14:50 - 15:00

Discussion

ONCOLOGY - Prostate, Melanoma malignum, Colorectal cancer Chairs: D. Piciu & V. Artiko

15:00 - 15:20

T. F. Cermik (Turkey)

Molecular imaging with novel radiopharmaceuticals

15:20 - 15:40

V. Hadzhiyska (Bulgaria)

Is There a Role for PSMA PET/CT in the Prostate Cancer Fusion Guided Biopsy Procedure?

15:40 - 16:00

G. Gnanasegaran (UK)

Radionuclide PSMA therapy: Common questions and current evidence

16:00 - 16:20

I. G. Milojevic (Serbia)

The role of FDG PET/ CT in melanoma- Single Center experience

16:20 - 16:35

G. Spirov (North Macedonia)

FDG in colorectal cancer: beyond the guidelines

16:35 - 16:55

B. Radovic (Serbia)

Radionuclide diagnosis and therapy in childhood neuroblastoma with diagnostic single centre experience

16:55 - 17:10 Discussion

17:10 - 17:40
POLATOM for nuclear medicine

17:00 - 18:00 Poster Session 1 Chairs: M. Tuncel & B. Radovic

18:00 Skopje walking tour









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SATURDAY 01.06.2024

Chairs: J. Koutsikos & V.Hadzhiyska

8:30 - 9:20

Oral presentations

Slavko Tasevski (North Macedonia)

The predictive role of TMTV and TLG in first-line treatment response in DLBCL patients

Dusica Todorova-Stefanovski (North Macedonia)

Stomach wall metastasis from primary breast cancer

Fragkaki Christina (Greece)

99mTc-DPD and 99mTc-PYP SPECT/CT scintigraphy in the diagnosis of attr cardiac amyloidosis in everyday practice

Igor Kamshikoski (North Macedonia)

Surgical management of neck metastases in well-differentiated and medullary thyroid carcinoma

Ana Ugrinska (North Macedonia)

Value of FDG uptake in fat tissue in prediction of therapy response in patients with Hodgkin lymphoma

Simon Besliev (North Macedonia)

Head to head analysis of SUVmax and tumor to liver ratio in patients with peritoneal metastasis from ovarian and colorectal cancer

CARDIOLOGY

Chairs: M. Vavlukis & R. Mititelu

9:20 - 9:45

J. Koutsikos (Greece)

PET in Cardiology

9:45 - 10:00

P. Bharadwaj (UK)

PET/CT in inflammatory diseases in cardiology

10:00-10:20

V. Majstorov (North Macedonia)

Use of 99mTc-PYP imaging in cardiac amyloidosis: our experience



10:20 - 10:35

I. Mitevska (North Macedonia)

SPECT Myocardial ischemia and viability imaging in the era of current optimal medical therapy

10:35 - 10:50

N. Kostova (North Macedonia)

Aded Value of Coronary Artery Calcium Score to SPECT Myocardial Perfusion Imaging in Evaluation of Coronary Artery Disease Significans

10:50 - 11:00 Discussion

11:00 - 11:30 Coffee break

ONCOLOGY - NETs, Breast cancer Chairs: A. Al -Ibraheem & Tevfik Fikret Cermik

11:30 -11:50

D. Piciu (Romania)

The role of nuclear medicine in rare endocrine tumors

11:50 - 12:05

K. Stardelova (North Macedonia)

Gastrointestinal neuroendocrine tumors -clinican's perspective

12:05 - 12:25

I. Karfis (Belgium)

Enhancing PRRT efficacy through combination schemes

12:25-12:40

M. Mileva (Belgium),

Unlocking the potential of PRRT: outcome prediction, dosimetry and other perspectives

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12:40 - 13:00

P. Choudawry (India)

Molecular imaging of breast cancer; FDG PET/CT and beyond FDG

13:00 - 13:15

S. Stojanoski (North Macedonia)

Sentinel lymph node scintigraphy in breast cancer

13:15 - 14:15

Lunch break

ONCOLOGY

Chair: D. Sobic-Saranovic & M.F Bozkurt

14:15- 14:35

F. Lodi (Italy)

PET Radiopharmaceuticals in Oncology: Current Status and Perspectives

14:35 - 14:55

A. Al -Ibraheem (Jordan)

Pitfalls in FAPI PET/CT.

14:55 - 15:15

M.F Bozkurt (Turkey)

Y90 microsphere treatment - novel applications

15:15 - 15:35

P. Bochev (Bulgaria)

Pattern recognition in (nuclear) imaging of gynecological cancer

15:35- 15: 55

R. Mititelu (Romania)

Molecular Imaging in Carcinoma of unknown primary

16:00 - 17:00 Alkaloid Kons and MSD Symposim

Prof. dr Simonida CrvenkovaUCRO, Medical Faculty, UKIM, Skopje

Immunotherapy with Pembrolizumab for metastatic NSCLS

Prof. dr Ana Ugrinska

University Insitute of Positron Emission Tomograph, Medical Faculty, UKIM, Skopje

Functional imaging in lung cancer patients treated with Pembrolizumab

17:00 - 17:30 Coffee break

Balkan National Societies Delegates Meeting

17:30 - 18:30 PANEL DISSUSION

"Strengthening the Science and Research in Nuclear Medicine at the Balkans"

Moderator: A Ugrinska (North Macedonia) , M. Koole (EANM) , S Frangos (WFNMB), A. Dimovski (MANU) D. Paez (IAEA), F.M Beg (Voronoi Health Analytics)

19:30 - Departure from hotel for Gala Dinnes

20:00 - 24:00 Galla Dinner & Scintilation Party



SUNDAY 02.06.2024

Lung, Vascular & Basic Science Chairs: A. Begic & N. Manevska

9:00 - 9:20

S. Koukuraki (Greece)

PET in vasculitis

9:20 - 9:35

Irfan Ahmeti (North Macedonia)

Neuroischemic diabetic foot - detection of peripheral arterial disease and the risk of amputation

9:35 - 9:50

N. Manevska (North Macedonia)

99mTc-MIBI tissue muscle perfsuion scintigraphy of lower limbs and feet in diabetic patients

9:50 - 10:05

S. Pejkova (North Macedonia)

Delon decompression of the tarsal tunnel: an effective approach to improving blood flow and promoting ulcer healing in diabetic patients

10:05 - 10:25

A. Begic (Bosnia i Herzegovina))

Ventilation/Perfusion Tomography V/PSPECT vs Multislice Computed Tomography MSCT in detection of Pulmonary Embolism- Prospective Study

10:25 - 10:40

V. Jurishic (Serbia)

Examining the cellular characteristics of tumor cell cultures using radioactive labeled sassay in comparison to other assays without the use of radioactivity

10:40 - 10:50 Discussion

11:00 - 12:00 Poster Session 2

Chairs: B. Izic & M. Atanasova Lazareva

CLOSING CEREMONY

POSTER SESSION I

Jelena Petrovic (Serbia)

The validity of FDG PET/CT in the detection and follow up of seminoma

Liliana Todorovska (North Macedonia)

Geographic liver steatosis accidentaly detected Bby Tc-99m HMPAO leucocyte scintigraphy: A case report

Liliana Todorovska (North Macedonia)

Mediastinal Parathyroid Adenoma: A Case Report

Fatma Arzu Görtan (Türkiye)

Atrial 18F-FDG uptake on pet in atrial fibrillation

Slavica Mihajlova (North Macedonia)

Clinical Experience With In Vitro Labeled Leucocytes Using 99mtc-Hmpao In Department Of Nuclear Medicine In Bitola

Keti Veljanova (North Macedonia)

Incidental Findings of Pulmonary Perfusion Defects On Venoscintigraphy

Seckin Bilgic (Türkiye)

Clinical Role of Q-SPECT Imaging in Pulmonary Thromboembolism Assessment

Mitoi Alexandru (Romania)

Diagnostic evaluation of uterine 18F-Fluorodeoxyglucose uptake: A case series review

Sonja Kuzmanovska (North Macedonia)

Unexpected biodistribution of 99MTC-DMSA: investigation of the nonconformity

Keti Veljanova (North Macedonia)

Conversion of hypothyroidizm to hyperthyroidizm

Veljkovic Milos (Serbia)

Should we perform bone scintigraphy only in high-risk patients' group



with newly diagnosed prostate cancer? A retrospective analysis based on risk-group stratification

Simon Besliev (North Macedonia)

18F-FDG PET/CT in detection of suspicious neurolymphomatosis: a case report

Maria Miruna Matei (Romania)

Typical Pulmonary Carcinoid with Atypical Metastasis: A Case Report

Fatih Tamer (Türkiye)

The Effect of 18FDG PET/CT and Related Parameters on Staging, Disease Management and Prognosis in Patients with Cholangiocarcinoma

Nevena Manevska (North Macedonia)

Young patients under 30 years of age evaluated by bone scintigraphy - a single center study

Jelena Djordjevi (Serbia)

Significance of determination of vitamin d and markers of systemic inflammation in patients with gastroenteropancreatic neuroendocrine tumors

Jovana Zivanovic (Serbia)

Has the value of 18F-FDG PET/CT been underestimated in prostate cancer?

Valotassiou V (Greece)

Striatal dopamine transporter SPECT imaging. Comparison of visual analysis and semiquantification with a database of normal subjects

Pop Gjorcheva Daniela (North Macedonia)

Unilobar graves' disease of bilobar thyroid gland - a case report

Bojana Stoilovska (North Macedonia)

Papillary thyroid carcinoma arising from struma ovarii

POSTER SESSION II

Valotassiou V. (Greece)

Biochemical recurrence of prostate cancer. comparison of 18F-PSMA-1007 findings between patients treated with radical prostatectomy and radiotherapy/hormonal therapy

Irena Sazdova Danova (North Macedonia)

Investigation of Residual Activity in Syringes Post-Administration of Tc-99m-MDP for Bone Scans and DTPA for Renal Studies in Nuclear Medicine

Nikolina Bozinovska (North Macedonia)

The role of Tc-99m (RBC) SPECT/CT in the diagnosis of giant hepatic hemangioma - A case report

Miloš Stević (Serbia)

Assessment of the sequelae of pulmonary microthromboembolism by perfusion scintigraphy of the lungs after infection with COVID-19

Zlatko Filipovski (North Macedonia)

Radionuclidic Impurities In [18F]FDG of PET

Marina Zdraveska Kochovska (North Macedonia)

Quality control of the IRIS injector system

Anamarija Jankulovska (North Macedonia)

SPECT/CT in the diagnosis of ectopic thyroid gland

Nikola Pantic (Serbia)

¹⁸FDG PET/CT in the diagnosis of secondary malignancies in patients with Hodgkin lymphoma

Radina Mladenova (Bulgaria)

Orphan radiopharmaceuticals drugs in us

Jasmin Merdžanović (Bosna I Hercegovina)

Sentinel lymph node scintigraphy in correlation with lactate dehydrogenase in patients with malignant melanoma

Denis Omerbegović (Bosnia and Herzegovina)

Association between serum TSH levels and vitamin D status

Pop Gjorcheva Daniela (North Macedonia)

99mTc MIBI myocardial perfusion scintigraphy as a screening method for premature atherosclerosis in asymptomatic young patients with systemic lupus erythematosus

Pop Gjorcheva Daniela (North Macedonia)

Intrathyroid thymic carcinoma (ITTC) as an incidental finding after thyroidectomy due to papillary thyroid carcinoma (PTC)

Bojana Stoilovska (North Macedonia)

Allergic reaction following thyrosupressive and beta-blocker therapy, challenges in elucidation of the exact etiology

Maja Velichkovska (North Macedonia)

Development and validation of a headspace gas chromatographic method for the determination of residual solvents in $[^{18}F]FDG$

Toni Tripunoski (North Macedonia)

SOFT TISSUE RETENTION OF 188Re-HEDP



Milan Bozinovic (Serbia)

Horseshoe kidney - basic diagnostic methods

Sasho Nikolovski (North Macedonia)

Evaluation of Supervised Machine Learning Radiomic Models for Predicting Five-Year Survival in Head and Neck Squamous Cell Carcinoma Patients: An Empirical Analysis of a Publicly Available Database

Stojkoska Elena (North Macedonia)

Difficulties and inaccuracies in the cytological analysis of fine needle aspiration thyroid biopsy: lessons learned from case reports

Crcareva Biljana (North Macedonia)

Primary Hyperparathyroidism from scintigraphic detected Mediastinal Parathyroid Adenoma

Muratovska Liljana (North Macedonia)

A case report of patient with chronic urticaria and Hashimoto thyroiditis **Muratovska Liliana (North Macedonia)**

Candida esophagitis detected by 18F-FDG PET/CT in patient with Hodgkin lymphoma

Bozhinovska-Dimova Nadica (North Macedonia)

Myxedematous coma - a case report

Ivana Mladenovska (North Macedonia)

Medullar thyroid carcinoma in a patient with hyperthyrosis

Valentina Velkoska Nakova (North Macedonia)

The effect of thyroid autoantibodies on dyslipidemia in patients with mild form of subclinical hypothyroidism

Bozinovska Nikolina (North Macedonia)

Clinical value of $^{\rm 18}{\rm F-NaF-}$ PET/CT for detecting bone metastasis in comparison to $^{\rm 18}$ F-FDG-PET/CT

Slavko Tasevski (North Macedonia)

Uncommon 18FDG avid soft tissue and liver lesions in necrobiotic xanthogranuloma: a case report

Ljiljana Radosavcev (Serbia)

Planar Imaging And Hybrid Spect/Ct In Primary Melanoma Lymphoscintigraphy: A Single-Center Analysis



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