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**Ivanišić Risek I.** / Osijek, Croatia  
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**Thursday, May 16, 2024**

13:00 – 19:30 Registration

19:30 Opening

20:00 Welcome Reception

**Friday, May 17, 2024**

08:00 Registration

**08:30 – 10:15 SESSION I – ONCOLOGY I**

Chairpersons: Haberkorn U, Dizdarević S

08:30 I-1 Haberkorn U, Heidelberg - DEVELOPMENT OF NEW TRACERS FOR ONCOLOGICAL APPLICATIONS

09:00 I-2 Dizdarević S, Brighton - EVIDENCE BASED INDICATIONS FOR THE USE OF PET/CT IN THE UNITED KINGDOM

09:30 O-1 Divošević S., Buljan M., Filipović N.: Significance of Preoperative PET/CT for Treatment Planning in Patients with High Risk Melanoma

09:45 O-2 Punda M., Filipan D., Blažeković I., Guteša I., Jukić T., Fröbe A.: Five Illustrative Cases of Aberrant Sentinel Lymph Nodes in Patients with Melanoma

10:00 O-3 Dobrenić M.: Response Criteria in Lymphoma in the Era of Immunomodulatory Therapy

**10:15 EXHIBITION OPENING AND COFFEE BREAK**

## **10:45 – 12:00 SESSION II – ONCOLOGY/THERAPY**

Chairpersons: Mirzaei S, Knešarek K

10:45 I-3 Mirzaei S, Vienna - EPIDERMAL RHENIUM-188 THERAPY OF NON-MELANOMAL SKIN CANCER

11:15 I-4 Knešarek K, New York - PERSONAL DOSIMETRY IN TERANOSTICS

11:45 O-4 Divošević S.: New possibilities in Hybrid Molecular Diagnostics of Primary and Secondary Tumors in the Abdomen and Pelvis

## **12:00-13:30 SESSION III – THYROID**

Chairpersons: Gaberšček S, Kusačić Kuna S

12:00 I-15 Gaberšček S, Ljubljana - THE IMPORTANCE OF DETECTING THYROID DISEASES

12:30 **Ewopharma workshop** – NOVEL APPROACHES IN THYROID CANCER THERAPY – LENVATINIB AS A STANDARD OF CARE FOR ADVANCED DIFFERENTIATED THYROID CANCER REFRACTORY TO RADIOIODINE

13:00 O-5 Filipan D., Granić R., Bakunić D., Blažeković I., Fröbe A., Kusić Z., Jukić T.: Cross Sectional Study of Iodine-131 Therapy Applications in Patients with Differentiated Thyroid Cancer Hospitalized from 2021 To 2023

13:15 O-6 Klarica Gembić T., Nekić J: Vascular Patterns of Thyroid Nodules in [<sup>99m</sup>Tc] Tc-MIBI Scintigraphy in Correlation with Histopathological Findings

## **13:30 Lunch break**

## **14:30-16:30 SESSION IV – NEW TRACERS/ BONES**

Chairpersons: Decristoforo C, Francesco G

14:30 I-6 Francesco G, Vienna - REVOLUTIONIZING ONCOLOGY: FAPI'S PARADIGMATIC BREAKTHROUGH IN BREAST CANCER

15:00 I-7 Decristoforo C, Innsbruck - NOVEL APPROACHES FOR MOLECULAR IMAGING OF INFECTIONS

15:30 O-7 Jukić N., Šmitran T., Šćulac P., Žuvić M.: Radiolabelling and Quality Control of the [<sup>68</sup>Ga]Ga-PSMA-11 and [<sup>68</sup>Ga]Ga-DOTATATE for Clinical Use

15:45 O-8 Ilić Tomaš M., Mitrović H., Giroto N., Malnar M., Bogović Crnčić T.: The Significance of Three Phase Bone Scintigraphy and <sup>99m</sup>Tc-HMPAO Labelled Leukocyte Scintigraphy in Differentiating Between Inflammation from Aseptic Loosening of Hip and Knee Joint Endoprostheses - The Contribution of Hybrid SPECT/ CT Technique

16:00 O-9 Punda M., Filipan D., Jukić T: Replacing the Old DXA Scanner with DXA System of a Different Manufacturer – Our Experience

**16:15 Coffee break**

**16:45-18:15 SESSION V – NET**

Chairpersons: Virgolini I, Kamiński G

16:45 I-8 Virgolini I, Innsbruck - NET DIAGNOSTIC AND THERAPY - STATE OF THE ART

17:15 I-9 Kamiński G, Warsaw - SIX-YEAR-EXPERIENCE IN POLISH HIGHEST-REFERENCE NEUROENDOCRINE NEOPLASM CENTER

17:45 I-10 Ležaić L, Ljubljana – PRRT - A SUCCESS STORY: PAST, PRESENT, FUTURE

**Saturday, May 18, 2024**

08:00 Registration

**08:30-10:00 SESSION VI – RADIOBIOLOGY/PHYSICS**

Chairpersons: Eberlein U, Grošev D

08:30 I-11 Eberlein U, Würzburg - THE ROLE OF RADIOBIOLOGY IN NUCLEAR MEDICINE

09:00 O-10 Dobrenić M.: Biodosimetry in Individuals Exposed to Ionizing Radiation

09:15 O-11 Pribanić I., Dundara Debeljuh D., Jurković S.: Use of Deep Convolutional Neural Network in Optimization of SPECT Procedures

09:30 O-12 Dundara Debeljuh D., Matheoud R., Pribanić I., Jurković S.: Assessment of Intrinsic Performances of Myocardial Perfusion Imaging Systems in Detecting Perfusion Defects

09:45 O-13 Topolnjak E., Grošev D.: Effective Dose Estimate in the Context of Patient Release Criteria After Radionuclide Therapy

**10:00 Coffee break**

**10:30 – 13:00 SESSION VII – PSMA**

Chairpersons: Hodolič M, Virgolini I

10:30 I-12 Hodolič M, Ljubljana - <sup>18</sup>F LABELLED PSMA RADIOPHARMACEUTICAL AUTHORIZED IN EUROPE: PYLCLARI® IN PATIENTS WITH PROSTATE CANCER

11:00 I-13 Virgolini I, Innsbruck - PSMA THERAPY

11:30 O-14 Rogić I., Golubić A.T., Žuvić M., Šćulac P., Huić D.: Clinical Utility of <sup>68</sup>Ga-PSMA-11 PET/CT in Patients with Biochemical Recurrence of Prostate Cancer

11:45 O-15 Rogić I., Dobrenić M., Šmitran T., Jukić N., Huić D.: <sup>68</sup>Ga-PSMA-11 PET/CT in Initial Staging of Patients with Prostate Cancer and Importance of Intraprostatic SUVmax Values

12:00 **Novartis workshop** - INTRODUCING PLUVICTO, A NOVEL RLT (RADIOLIGAND THERAPY) FOR TREATMENT OF PSMA+ MCRPC

**13:00 Lunch break**

**14:30-16:00 SESSION VIII –NEUROLOGY/GASTROENTEROLOGY**

Chairpersons: Golubić AT, Franceschi D

14:30 I-14 Golubić AT, Zagreb – BRAIN TUMORS IMAGING

15:00 I-15 Franceschi D, New York – DEMENTIA IMAGING

15:30 O-16 Golubić AT., Huić D.: F-18-Fluoro-Ethyl-Tyrosine PET/CT For Detection of Corticotropinomas in Cushing's Disease

15:45 O-17 Giroto N., Fischer L., Bogovć Crnčić T.: Gastric Emptying Scintigraphy with Low Volume Nutritional Supplement – Good or Bad Idea?

16:00 O-18 Šiško Markoš I., Blažeković I., Romić M., Ladić A., Bosak Butković M., Jukić T., Gladić Nenadić V., Frobe A.: Targeting normal reference values in gastric emptying scintigraphy using high caloric liquid meal – preliminary results

**16:15 Coffee break**

**16:45-18:45 POSTER VIEW**

Chairperson: Hodolić M

P-1 Bzik M., Iskra I., Bogović Crnčić T., Giroto N.: Positive Somatostatin Receptor Scintigraphy Related to Covid-19: A Report of Two Cases

P-2 Lacić M., Nola N., Budi S.: US Guided Peri-Tumoral Injection of the Tc-99m Labelled Nanocolloid in Sentinel Lymph Node Localization

P-3 N. Jukić, P. Šćulac, T. Šmitran, M. Žuvić: Our Experience in Automated Radiosynthesis of [<sup>68</sup>Ga]Ga-PSMA-11 and [<sup>68</sup>Ga]Ga-DOTATATE for Clinical Use Using Gaia Elysia-Raytest Automated Synthesizer

P-4 Matulić B., Kusačić Kuna S., Huić D.: Kikichi-Fujimoto Disease (Histiocytic Necrotizing Lymphadenitis): A Case Report

P-5 Petretić Majnarić S., Kuburić I., Čorak D., Kustić D.: Follow-up of thyroid cancer within 10 years at the Clinical Department of Nuclear Medicine, Rijeka

P-6 Kizivat T., Kordić Brandić M., Šnajder Mujkić D., Knežević Praveček M., Mihaljević I.: Importance of Multidisciplinary Approach in Diagnosis of Transthyretin Cardiomyopathy

P-7 Krpina M., Rogić I., Huić D.: Accidental Finding of Lung Adenocarcinoma on <sup>68</sup>Ga-PSMA PET/CT During Prostate Cancer Staging

P-8 Rubić M., Golubić A.T., Ciglar Hlaščić M., Huić D.: Insulinoma detected by Ga-68 DOTATATE PET/CT - a case report

P-9 Šnajder Mujkić D., Kizivat T., Mihaljević I.: Predictive value of prostate specific antigen and Gleason score in detecting bone metastases using bone scintigraphy

P-10 Vuletić M., Omrčen T., Hrepić D., Plazonić T., Barić Žižić A.: Ra-223 in clinical practice, what we have learned so far?

P-11 Šimunić G.: Dosimetry in Iodine Therapy

P-12 Radović D., Ruščić I.: Challenges in the Detection of Unknown Primary Tumor and Metastatic Neck Lymphonodes with 18F- FDG PET/CT

Chairperson: Ležaić L

P-13 Ruščić I., Radović D.: Paraneoplastic Vasculitis in Multiple Myeloma Patient Detected by PET/CT- Case Report

P-14 Domić M., Šošo G., Knez A., Sladić S., Punda A., Brdar D.: Presentation of Camurati-Engelmann Disease on a Tc-99m-MDP Bone Scan

P-15 Brdar D, Sladić S., Brekalo M., Pavlović A., Šošo G., Rezić P., Punda A.: Acrometastasis from Lung Carcinoma on Bone Scintigraphy

P-16 Mikulić T., Sladić S, Brekalo M, Vukasović A.V, Zebić I., Pavlović A.: The Utility Of I-131 In The Diagnosis Of Intrathoracic Goiter

P-17 Vuica Vukasović A., Sladić S, Šošo G., Domić M., Ćurić K., Mikulić T., Punda A., Brdar D.: Report of a Rare Case of Three Subtypes of Papillary Thyroid Carcinoma in One Nodule of Thyroid Gland

P-18 Lukić D., Pandžić Jakšić V., Vukasović Mabić A., Mutvar A.: Tc-99m MIBI Scintigraphy in Normohormonal Variant of Primary Hyperparathyroidism: A Case Report

P-19 Višković Fadel T., Kmet Planinac O., Peruško Kozina P., Sokolić M., Nekić J, Bogović Crnčić T: Unusual Metastatic Presentation of DTC: Case Report

P-20 Janković D., Klarica Gembić T.: Semiquantative Analysis Improves Diagnostic Accuracy in Lymphoscintigraphy: A Case Report

P-21 Nekić J., Klarica Gembić T., Seili Bekafigo I., Zuza I.: Metastatic Renal Cell Carcinoma to the Thyroid Gland – A Case Report

P-22 Milišić Kelava L., Pasini Nemir E., Šporčić Rak A., Huić D.: Two Cases of <sup>18</sup>F-FDG PET/CT Imaging in Alveolar Echinococcosis

P-23 Fares S., Rogić I., Golubić A.T.: Case Report: Important Role of <sup>18</sup>F-fluorocholine PET/CT in Diagnosing Metastatic Parathyroid Carcinoma

P-24 Fares S., Pešorda M., Huić D.: Case Report: Important Role of <sup>18</sup>F-FDG PET/CT in Diagnosing Giant Cell Arteritis and Polymyalgia Rheumatica

## **20:00 CONGRESS DINNER**

**Sunday, May 19, 2024**

08:30 Registration

**09:00 CROATIAN SOCIETY OF NUCLEAR MEDICINE - GENERAL ASSEMBLY**

**09:45 – 11:00 SESSION IX – EDUCATION/CARDIAC IMAGING**

Chairpersons: Petranović Ovčariček P, Dizdarević S

09:45 I-16 Dizdarević S, Brighton - LEARNING THROUGH INTERESTING CASES - EXPECT UNEXPECTED

10:15 I-17 Petranović Ovčariček P, Zagreb – GUIDELINES FOR PARATHYROID IMAGING

10:45 O-19 Kustić D., Vukšić J.: The Diagnostic Yield of Non-Invasive Testing Features in Cardiac Amyloidosis

**11:00 CLOSING AND FAREWELL**

**DVANAESTI GODIŠNJI SASTANAK HRVATSKE UDRUGE TEHNOLOGA U  
NUKLEARNOJ MEDICINI**

Pula, Hrvatska, 16.-19. svibnja 2024.

**Četvrtak, 16. svibnja 2024.**

- 13:00 – 19:30**      **Registracija**
- 19:30**              **Otvorenje**
- 20:30**              **Prijem dobrodošlice**

**Petak, 17. svibnja 2024.**

- 08:00**              **Registracija**
- 08:30 – 10:15**      **PRVA SJEDNICA**  
Predsjedavajući: Radunković D., Mlinar M.
- 08:30              I-1 Jukić N., Zagreb  
OBILJEŽAVANJE I KONTROLA KVALITETE [<sup>68</sup>Ga]Ga-PSMA-11 I  
[<sup>68</sup>Ga]Ga-DOTATATE ZA KLINIČKU UPOTREBU
- 09:00              I-2 Rogić I., Zagreb  
Ga-68 PSMA PET/CT U KLINIČKOJ PRAKSI
- 09:30              O-1 Brodarac M., Zagreb  
SCINTIGRAFIJA TESTISA-PRETRAGE U NUKLEARNOJ  
MEDICINI KOJE SU ZAMIJENJENE NENUKLEARNIM  
DIJAGNOSTIČKIM METODAMA
- 09:40              O-2 Čičak L., Zagreb  
TROETAPNA SCINTIGRAFIJA SKELETA S Tc-99m-MDP U  
DIFERENCIJALNOJ DIJAGNOSTICI UPALNIH PROMJENA  
TOTALNIH ENDOPROTEZA KUKA
- 09:50              O-3 Šabulić I., Finka N., Kustić D., Rijeka  
UTJECAJ BIOPSIJE SENTINEL LIMFNIH ČVOROVA NA  
PRAĆENJA RAKA DOJKE
- 10:00              O-4 Eršek M., Valentina Č., Blažeković I., Zagreb  
LIMFO-SCINTIGRAFIJA NOGU-PRIKAZ TIJEKA LIMFE S  
KVANTIFIKACIJOM TRANSPORTNOG KAPACITETA



- 10:15**                    **OTVORENJE IZLOŽBE I PAUZA**
- 10:45 – 13:00**        **DRUGA SJEDNICA**  
Predsjedavajući : Ivandić M., Štefanić D.
- 10:45                    I - 3 Golubić A.T., Zagreb  
FUNKCIJSKA DIJAGNOSTIKA NEUROENDOKRINIH TUMORA
- 11:15                    I - 4 Gladić Nenadić V., Zagreb  
I-123 U DIJAGNOSTICI NEUROENDOKRINIH TUMORA
- 11:45                    O-5 Mlinar M., Zagreb  
ULOGA TEHNOLOGA KOD IZVOĐENJA JEDNOFOTONSKE  
EMISIJSKE TOMOGRAFIJE MOZGA SA I-123 IOFLUPANOM  
(DATSCAN)
- 12:00                    O-6 Špiček A., Golubić A.T., Zagreb  
PET/CT S F-18 FLUOROETILTIROZINOM U DIJAGNOSTICI  
TUMORA MOZGA
- 12:15                    O-7 Radunković D., Zagreb  
DIJAGNOSTIČKA VRIJEDNOST F-18-FET (18F-FLUORO-ETIL-I-  
TIROZIN) PET/CT-a U OTKRIVANJU MALIGNIH TUMORA  
MOZGA U PROCJENI RECIDIVA I ODGOVORA NA TERAPIJU
- 12:30                    O-8 Kos Rožman M., Golubić A.T., Zagreb  
DIJAGNOSTIČKE NUKLEARNOMEDICINSKE METODE ZA  
PRIKAZ SOMATOSTATINSKIH RECEPTORA KOD  
NEUROENDOKRINIH TUMORA
- 13:30**                    **RUČAK**
- 14:30 – 16:00**        **TREĆA SJEDNICA**  
Predsjedavajući: Grbić I., Malnar M.
- 14:30                    I-5 Pešorda M., Zagreb  
NUKLEARNA MEDICINA U DIJAGNOSTICI SRCA
- 15:00                    I-6 Topolnjak E., Zagreb  
ZAŠTITA OD ZRAČENJA U NUKLEARNOJ MEDICINI
- 15:30                    O-9 Grgić M., Golubić A.T., Zagreb  
RADIONUKLIDNA VENTRIKULOGRAFIJAS Tc-99m-  
PERTEHNETATOM U DIJAGNOSTICI INTRAKARDIJALNOG  
PRETOKA

- 15:40 O-10 Finka N., Avdić A., Malnar M., Rijeka  
PRAVILNA BRIGA I ODRŽAVANJE OLOVNIH ZAŠTITNIH  
PREGAČA
- 15:50 O-11 Lekić S., Topolnjak E., Jukić N., Šmitran T., Šćulac P., Zagreb  
USPOREDBA DOZIMETRIJSKIH REZULTATA U PROSTORIJAMA  
ZA PRIPREMU I ANALIZU RADIOFARMAKA
- 16:15 **PAUZA**
- 16:45 – 18:00 **ČETVRTA SJEDNICA**  
Predsjedavajući: Lekić S., Medvedec M.
- SKUPŠTINA HRVATSKE UDRUGE TEHNOLOGA U  
NUKLEARNOJ MEDICINI**
- Subota, 18. svibnja 2024.**
- 08:00 **Registracija**
- 08:30 – 12:00 **PETA SJEDNICA**  
Predsjedavajući: Eršek M., Brodarac M.
- 08:30 I-7 Kusačić Kuna S., Zagreb  
DIJAGNOSTIKA I PRAĆENJE BOLESNIKA S KARCINOMOM  
ŠTITNJACE
- 09:00 O-12 Ivković A., Golubić A.T., Zagreb  
SCINTIGRAFIJA ŠTITNJACE S Tc-99m-PERTEHNETATOM U  
DIJAGNOSTICI FUNKCIJSKIH BOLESTI ŠTITNJACE
- 09:15 O-13 Kuburić I., Čorak D., Petretić-Majnarić S., Kustić D., Rijeka  
KORELIRA LI PORAST BROJA CITOLOŠKIH PUNKCIJA SA BROJEM  
NOVOOTKRIVENIH KARCINOMA NA NAŠOJ KLINICI?
- 09:30 O-14 Medvedec H., Zagreb  
REGULIRANJE PRAVA I OBAVEZA U ZDRAVSTVU KROZ ODNOS:  
ZDRAVSTVENI RADNIK (TEHNOLOG)-PACIJENT
- 13:00 **RUČAK**

**16:45 – 17:45 ŠESTA SJEDNICA - POSTERI**

Predsjedavajući: Medvedec H., Grbić Šaban K.

P-1 Štefanić D., Golubić A.T., Zagreb

PERFUZIJSKA SCINTIGRAFIJA MOZGA S Tc-99m-HMPAO U  
POSTUPKU DOKAZIVANJA MOŽDANE SMRTI

P-2 Ivandić M., Štefanić D., Huić D., Zagreb

Ga-68-PSMA PET/CT U DVA VREMENA SNIMANJA

P-3 Kapušin B.V., Mikulić T., Golubić A.T., Zagreb

VENTILACIJSKA SCINTIGRAFIJA PLUĆA KORIŠTENJEM  
„TECHNEGAS“ GENERATORA GRAFITNOG AEROSOLA

P-4 Mikulić T., Grbić Šaban K., Kusačić Kuna S., Zagreb

DIJAGNOSTIKA BOLESTI ŠTITNJAČE - OSVRT NA ULTRAZVUK  
ŠTITNJAČE I CILJANU CITOLOŠKU PUNKCIJU

P-5 Lelas I., Golubić A.T., Zagreb

SCINTIGRAFIJA SLEZENE S ERITROCITIMA OBILJEŽENIM S Tc-99m-  
PERTEHNETATOM I OŠTEĆENIM TOPLINOM-PRIKAZ METODA I  
ISKUSTVA ZAVODA

P-6 Malnar M., Finka N., Orešković N., Kopajtić M., Rijeka

OBILJEŽAVANJE ERITROCITA MODIFICIRANOM METODOM in  
vivo/in vitro S Tc-99m TECHNESCAN PYP

P-7 Lozić M., Rubić M., Huić D., Zagreb

SCINTIGRAFIJA S Tc-99m PIROFOSFATOM

P-8 Orešković N., Avdić A., Nekić J., Klarica Gembić T., Kustić D., Rijeka

IZ »VRUĆEG« LABORATORIJA S »VRUĆOM« RUKOM

P-9 Čorak D., Kuburić I., Petretić-Majnarić S., Kustić D., Rijeka

KOMPLIKACIJE NAKON PRIMJENE RADIOJODNE TERAPIJE KOD  
PACIJENATA SA KARCINOMOM ŠTITNJAČE

P-10 Majdak S., Golubić A.T., Zagreb

OBILJEŽAVANJE AUTOLOGNIH LEUKOCITA KLASIČNOM  
METODOM POMOĆU Tc-99m HMPAO

P-11 Jug K., Klarica Gembić T., Rijeka

PERSONALIZIRANI PRISTUP U NUKLEARNOJ KARDIOLOGIJI

P-12 Grbić Šaban K., Kusačić Kuna S., Zagreb

PAPILARNI KARCINOM ŠTITNJAČE U TUMORU JAJNIKA  
(OVARIJSKOJ STRUMI)

**20:00**

**SVEČANA VEČERA**