JOINT EVENT

4th International Conference and Exhibition on
MEDICAL PHYSICS AND BIOPHYSICS
&
2nd International Conference on
NUCLEAR MEDICINE & RADIATION THERAPY
July 27-28, 2017 Rome, Italy
### Keynote Forum

**10:00 - 10:50**

**Title:** Physics education in medical imaging  
**Richard L Morin,** Mayo Clinic Jacksonville, USA

**Panel Discussion**

**11:00 - 11:10** @ Foyer

**Title:** Critical dynamics on a large human open connectome network  
**Géza Ódor,** Hungarian Academy of Sciences, Hungary

**Title:** F18 PSMA scanning. A disruptive change in prostate cancer care and management. Experience from Australasia  
**Trevor Fitzjohn,** Pacific Radiology Ltd, New Zealand

**Panel Discussion**

### Lunch Break 12:55-13:55 @ Hotel Restaurants

### Sessions: Tomography | Latest Imaging Techniques | Radiation Oncology | Biomedical Physics | Radiology | Biophysics | Sports Science | Diagnostic Imaging | Nuclear Medicine | Radiation Therapy

**Session Chair:** H C EM Hartmut Zabel, Ruhr University Bochum, Germany  
**Session Co-Chair:** Géza Ódor, Hungarian Academy of Sciences, Hungary

**13:55 - 14:00**

**Session Introduction**

**14:00 - 14:25**

**Title:** Metabolic activity, hypoxia response elements and induced angiogenesis, biomarkers for overall survival in solid tumors  
**M A Nezami,** Pacific Medical Center of Hope, USA

**14:25 - 14:50**

**Title:** Real-time molecular probe-directed intra-procedural biopsies  
**Carina Mari Aparici,** University of California San Francisco, USA

**Title:** Development of a W pinhole collimator for removal of Tc/Pb down-scatter in the Tl/Tc dual-isotope spectrum  
**Gregory G Passmore,** Augusta University, USA

**15:15 - 15:40**

**Title:** Determination of sport results based on special fitness of pole vaulters ages 12 and 17  
**Mariusz Klimczyk,** Casimir the Great University, Poland

**Title:** The impact of cone beam computed tomography on endodontics  
**Samira Al-Salehi,** Mohammed Bin Rashid University of Medicine and Health Sciences, UAE

**Panel Discussion**

**16:05 - 16:25** @ Foyer

**Title:** Intra fractional set-up measurements between EPID and CBCT  
**Asli Yazici,** Onko Ankara Oncology Center, Turkey

**Title:** Exposure radiation and risk assessment of hysterosalpingography  
**Ilham Khalid Ibrahim,** Salahaddin University-Erbil, Iraq

**Title:** A simulation study of parallax error in positron emotion tomography by using LSO, LYSO, BGO and GSO scintillation crystals in hexagonal and ring detector geometry by GATE simulation software  
**Ahad Zeinli,** Urmia Medical Science University, Iran

**Title:** EPR investigations of dosimetric properties of alanine irradiated by therapeutic electron beams  
**Abdoul Karim Mamadou Saidou,** University Hassan 1er, Morocco

**Panel Discussion**
Day 2 | July 28, 2017

Appia 1+2

Keynote Forum

10:00-10:50
Introduction
Title: Laser plasma accelerated particle beams for radiation therapy and their radiobiological characterization
Leonhard Karsch, University of Dresden and HZDR, Germany

Panel Discussion

Networking & Refreshment Break 10:50-11:10 @ Foyer

Sessions: Tomography | Clinical Physics and Patient Safety | Therapeutic Nuclear Medicine | Dosimetry | Clinical Nuclear Medicine | Therapeutic Nuclear Medicine | Radiography | Radiation Oncology

Session Introduction 11:10-11:15

11:15-11:40
Title: A phantom study of eye shielding for different CT scanners and imaging protocols
Yuan-Hao Lee, Taipei Medical University, Taiwan

11:40-12:05
Title: Analytical boundary element method to monitor bladder volume using electrical impedance tomography
Anil Kumar Khambampati, Jeju National University, South Korea

12:05-12:30
Title: Clinical comparison of F18-FET vs. F18-FDG in patients with low and high grade glioblastoma
Farzad Dehghani Sani, Razavi Hospital, Iran

12:30-12:55
Title: Evaluation of the dose delivered to patients in CT using the platform (GEANT4 / GATE)
Mkimel Mounir, Laboratory of Technology and Medical Science, Morocco

Panel Discussion

Lunch Break 12:55-13:55 @ Hotel Restaurants

13:55-14:20
Title: Stability and efficacy of a therapeutic dose of Lu-dotatate prepared at a remote centralized radiopharmacy: The initial clinical results
Maharaj Masha, Netcare Umhlanga Hospital, South Africa

14:20-14:45
Title: A prospective study on chemotherapy induced anemia in cancer patients undergoing treatment using serial hemoglobin measurement at the National Hospital Abuja, Nigeria
Simeon Chinedu Aruah, National Hospital Abuja, Nigeria

14:45-15:10
Title: Distinguishing between bacterial and viral infections based on peripheral human blood tests using infrared microscopy and multivariate analysis
Hamody Agbaria, Ben Gurion University of the Negev, Israel

15:10-15:35
Title: Clinical comparison of internal absorbed doses by standard and optimization protocol administrated activity in bone nuclear medicine studies
Ati Moncef, University Hospital, Algeria

15:35-16:00
Title: The function principles of modern radiation therapy system, cyberknife & tomotherapy
Poorya Heydari, Sahand University of Technology, Iran

Panel Discussion

Awards & Closing Ceremony

Bookmark your dates

5th International Conference and Exhibition on Medical Physics and Biophysics
August 09-10, 2018 Mardin, Spain
E-mail: medicalphysics@conferenceseries.net
Website: medicalphysics.conferenceseries.com

3rd International Conference on Nuclear Medicine & Radiation Therapy
March 26-27, 2018 Edinburgh, Scotland
E-mail: nuclearmedicine@oncologyseries.com
Website: nuclearmedicine.conferenceseries.com