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

Conference Series-America
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA

Conference Series-UK
Kemp House, 152 City Road, London EC1V 2NX, Toll Free: +1-800-216-6499
Day 1 | July 27, 2017

08:30-09:30 Registrations

Appia 1+2

conference-series.com

09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:50

Introduction

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

Panel Discussion

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

11:10-12:00

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

Photo Session 12:50-12:55

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

Session Introduction 13:55-14:00

14:00-14:25

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

14:25-14:50

Title: Real-time molecular probe-directed intraprocedural 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 Klimeczk, 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

Networking and Refreshments Break: 16:05-16:25 @ Foyer

16:25-16:50

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

16:50-17:15

Title: Exposure radiation and risk assessment of hysterosalpingography
Ilham Khalid Ibrahim, Salahaddinn 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

17:15-17:40

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00-10:50</td>
<td>Laser plasma accelerated particle beams for radiation therapy and their radiobiological characterization</td>
<td>Leonhard Karsch, University of Dresden and HZDR, Germany</td>
<td></td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15-11:40</td>
<td>A phantom study of eye shielding for different CT scanners and imaging protocols</td>
<td>Yuan-Hao Lee, Taipei Medical University, Taiwan</td>
<td></td>
</tr>
<tr>
<td>11:40-12:05</td>
<td>Analytical boundary element method to monitor bladder volume using electrical impedance tomography</td>
<td>Anil Kumar Khambampati, Jeju National University, South Korea</td>
<td></td>
</tr>
<tr>
<td>12:05-12:30</td>
<td>Clinical comparison of F18-FET vs. F18-FDG in patients with low and high grade glioblastoma</td>
<td>Farzad Dehghani Sani, Razavi Hospital, Iran</td>
<td></td>
</tr>
<tr>
<td>12:30-12:55</td>
<td>Evaluation of the dose delivered to patients in CT using the platform (GEANT4 / GATE)</td>
<td>Mkimel Mounir, Laboratory of Technology and Medical Science, Morocco</td>
<td></td>
</tr>
</tbody>
</table>

### Panel Discussion

**Session Introduction 11:10-11:15**

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:55-14:20</td>
<td>Stability and efficacy of a therapeutic dose of lu-dotatate prepared at a remote centralized radiopharmacy: The initial clinical results</td>
<td>Maharaj Masha, Netcare Umhlanga Hospital, South Africa</td>
<td></td>
</tr>
<tr>
<td>14:20-14:45</td>
<td>A prospective study on chemotherapy induced anemia in cancer patients undergoing treatment using serial hemoglobin measurement at the National Hospital Abuja, Nigeria</td>
<td>Simeon Chinedu Aruah, National Hospital Abuja, Nigeria</td>
<td></td>
</tr>
<tr>
<td>14:45-15:10</td>
<td>Distinguishing between bacterial and viral infections based on peripheral human blood tests using infrared microscopy and multivariate analysis</td>
<td>Hamody Agbaria, Ben Gurion University of the Negev, Israel</td>
<td></td>
</tr>
<tr>
<td>15:10-15:35</td>
<td>Clinical comparison of internal absorbed doses by standard and optimization protocol administrated activity in bone nuclear medicine studies</td>
<td>Ati Moncef, University Hospital, Algeria</td>
<td></td>
</tr>
<tr>
<td>15:35-16:00</td>
<td>The function principles of modern radiation therapy system, cyberknife &amp; tomotherapy</td>
<td>Poorya Heydari, Sahand University of Technology, Iran</td>
<td></td>
</tr>
</tbody>
</table>

### Panel Discussion

**Bookmark your dates**

**5th International Conference and Exhibition on Medical Physics and Biophysics**

August 09-10, 2018 Madrid, 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