

Scientific ePoster Presentation

LCD 1

Session: Cancer Cell Biology

Date: 01st March 2019 (Fri)

Time: 1050 – 1110

Chairperson: Dr. Siti Razila Abdul Razak

ID	Time	Title
39	1050-1055	Construction of yeast two-hybrid (Y2H) bait vector for screening of selected Deubiquitinases (DUBs)-interacting proteins. <u>Nur Wahida Zulkifli</u> and Nurulisa Zulkifle Advanced Medical & Dental Institute, Universiti Sains Malaysia, Malaysia
41	1055-1100	Generation of Indels for dual-specificity phosphatase 6 (DUSP6) gene suppression in colorectal cancer cell line via CRISPR-Cas9 system. <u>Muhammad Khairi Ahmad</u> , Siti Razila Abdul Razak, Nur Ainina Abdollah and Kumitaa Theva Das Advanced Medical & Dental Institute, Universiti Sains Malaysia, Malaysia
68	1100-1105	Preliminary study on the efficacy of natural killer and cytotoxic T cells on metastatic breast cancer mouse model. ¹ <u>Nursyuhana Rason</u> ; ² Eshaifol Azam Omar; ¹ Ida Shazrina Ismail; ³ Seoparjoo Azmel Mohd Isa; ⁴ Sellamuthu Subbana Gounder; ⁴ Baskar Subramani; ¹ Rafeezul Mohamed ¹ Regenerative Medicine Cluster, ² Integrative Medicine Cluster, Advanced Medical and Dental Institute, Universiti Sains Malaysia, Bertam, 13200 Kepala Batas, Malaysia, ³ Pathology Department, School of Medical Sciences, Universiti Sains Malaysia, Health Campus, 16150 Kubang Kerian, Kelantan, ⁴ Nichi-Asia Life Science Sdn. Bhd., No. 57, Block F, Jalan Teknologi 3/9, Bistari De Kota, Kota Damansara, PJU 5, 47810 Petaling Jaya, Selangor, Malaysia

Scientific ePoster Presentation

LCD 1

Date: 01st March 2019 (Fri)

Time: 1630-1650

Session: Oncology

Chairperson: Dr. Khadijah Abdul Hamid

ID	Time	Title
23	1630-1635	<p>Peritoneal-pleural leaks demonstrated by peritoneal scintigraphy: A case report.</p> <p><u>Khadijah Abdul Hamid</u>¹ and <u>Mohammad Fitri Khalil</u>² ¹Universiti Sains Malaysia, Malaysia ²Hospital Pulau Pinang, Malaysia</p>
40	1635-1640	<p>⁶⁸Ga-Prostate-Specific Membrane Antigen (PSMA) PET/CT, a superior modality in restaging of prostate adenocarcinoma. A case report.</p> <p><u>Muhammad Adib Abdul Onny</u>¹, <u>Hazlin Hashim</u>¹ and <u>Mohd Fahmi Shukur Ramli</u>² ¹Advanced Medical & Dental Institute, Universiti Sains Malaysia, Malaysia ²Institut Kanser Negara, Putrajaya, Malaysia</p>
47	1640-1645	<p>Comparison of standardized uptake value maximum (SUVmax) between metastastic and degenerative joint disease of the spine using bone scintigraphy with single photon emission computed tomography/ computed tomography (SPECT/CT) in prostate cancer.</p> <p><u>Mohd Fazrin Mohd Rohani</u> Hospital, Malaysia</p>
56	1645-1650	<p>Case Report - IORT in Pantai Hospital Kuala Lumpur.</p> <p><u>Ainina Safian</u> and <u>Yong Qian Ying</u> Pantai Hospital Kuala Lumpur, Malaysia</p>

Scientific ePoster Presentation**LCD 1****Date: 02nd March 2019 (Sat)****Time: 0950-1010****Session: Oncology****Chairperson: Dr. Siti Razila Abdul Razak**

30	0950-0955	<p>Ion beams for space radiation radiobiological effects studies.</p> <p><u>Ming Tsuey Chew</u>¹, Andrew Nisbet², Masao Suzuki³, Naruhiro Matsufuji³, Takeshi Murakami³, Bleddyn Jones⁴, Mayeen Khandaker² and David Andrew Bradley²</p> <p>¹Sunway University, Malaysia ²University of Surrey, United Kingdom ³National Institute for Quantum and Radiological Science and Technology, Japan ⁴University of Oxford, United Kingdom</p>
58	0955-1000	<p>Bioactive glass: Exploring its potentials use for treatments based on in vivo and invitro studies.</p> <p><u>Haruna S Jallow</u>, Shahrul Bariyah Sahul Hamid and Siti Noor Fazliah Mohd Noor Advanced Medical & Dental Institute, Universiti Sains Malaysia, Malaysia</p>
50	1000-1005	<p>Cytotoxic characterisation of mycosynthesized silver nanoparticles on human cancer cell lines.</p> <p><u>Priyadarshni K. C</u>¹, Abirami P² and <u>Mahalingam P.U</u>¹</p> <p>¹The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul, Tamilnadu, India ²Lady Doak College, Thallakulam, Madurai, Tamilnadu, India</p>

Scientific ePoster Presentation

LCD 2

Date: 01st March 2019 (Fri)

Time: 1050 – 1110

Session: Medical Physics (Imaging)

Chairperson: Dr. Noor Diyana Osman

ID	Time	Title
37	1050 -1055	<p>Radiation dose and size specific dose estimate from CT Pulmonary angiography examinations.</p> <p><u>Hanif Haspi Harun</u>¹, Muhammad Khalis Abdul Karim¹, Nor Azura Muhammad¹, Sarawana Chelwan Muniandy² and Akmal Sabarudin³</p> <p>¹Universiti Putra Malaysia, Malaysia ²Hospital Kuala Lumpur, Malaysia ³Universiti Kebangsaan Malaysia, Malaysia</p>
10	1055 – 1100	<p>Dose Assessment of 4- and 16-slices Multi-Detector Computed Tomography (MDCT) Scans.</p> <p><u>Ratna Suffhiyanni Omar</u>¹, Suhairul Hashim¹, Sib Krishna Ghoshal¹ and Nurul Diyana Shariff²</p> <p>¹Universiti Teknologi Malaysia, Malaysia ²Hospital Sultanah Aminah, Malaysia</p>
15	1100 – 1105	<p>Development of multipurpose smart phantom for spectral CT imaging.</p> <p><u>Zuraida Ramli</u>¹, Abd Aziz Tajuddin², Rafidah Zainon¹</p> <p>¹Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia ²School of Physics, Universiti Sains Malaysia, Malaysia</p>
51	1105 – 1110	<p>Mass attenuation coefficients of Rhizophora spp. particleboards incorporated with metallic implant as shielding materials at 16.59-25.26 keV photons.</p> <p><u>Siti Nor Azizah Abdullah</u>¹, Mohd Fahmi Mohd Yusof,² Norlaili Ahmad Kabir¹, Rokiah Hashim³ and Abd Aziz Tajuddin¹</p> <p>¹School of Physics, Universiti Sains Malaysia, Malaysia ²School of Health Sciences, Universiti Sains Malaysia, Malaysia ³School of Industrial Technology, Universiti Sains Malaysia, Malaysia</p>

Scientific ePoster Presentation**LCD 2****Date: 01st March 2019 (Fri)****Time: 1630 – 1655****Session: Medical Physics (Imaging)****Chairperson: Dr. Noor Diyana Osman**

53	1630 - 1635	Effects of mobile phone radiation on certain hematological parameters. Bindhu Christopher ¹ , Mayeen Khandaker ² , <u>David Bradley</u> ² and Panakal Jojo ³ ¹ Fatima Mata National College, India ² Sunway University, Malaysia ³ The Papua New Guinea University of Technology, Papua New Guinea
20	1635 - 1640	Elemental evaluation of urban road dirt via a number of analytical techniques. <u>Abdullah Alsubaie</u> ¹ , Leena Al Sulaiti ² , Eman Daar ³ , Abdullah N Al-Dabbous ⁴ , Mariem Chamakh ⁵ , Maisarah Jaafar ⁶ and D. A. Bradley ¹ ¹ Department of Physics, University of Surrey, United Kingdom ² Materials Science & Technology Program (MATS), College of Arts & Sciences, Qatar University, P.O. Box 2713, Doha, Qatar ³ Department of Physics, The University of Jordan, Amman, Jordan ⁴ Crises Decision Program, Environment and Life Sciences Research Center, Kuwait Institute for Scientific Research, Kuwait ⁵ Materials Science & Technology Program (MATS), College of Arts & Sciences, Qatar University, Doha, Qatar ⁶ School of Marine and Environmental Sciences, Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia
46	1640 - 1645	Small angle neutron scattering studies of dipalmitoylphosphatidylcholine-hyaluronic acid vesicle structural properties. <u>Irman Abdul Rahman</u> ¹ , Hur Munawar Kabir Mohd ¹ , Faizal Mohamed ¹ , Shahidan Radiman ¹ , Kenton P Arkill ² and David A Bradley ^{3,4} ¹ Universiti Kebangsaan Malaysia, Malaysia ² University of Nottingham, United Kingdom ³ Sunway University, Malaysia ⁴ University of Surrey, United Kingdom
57	1645 - 1650	Effect of gamma irradiation on magnetic gadolinium oxide nanoparticles coated with chitosan (Gd-CsNPs) as contrast agent in Magnetic Resonance Imaging. <u>Faizal Mohamed</u> ¹ , Irman Abdul Rahman ¹ , Mohd Idzat Idris ¹ , David Andrew Bradley ² , Muhammad Zul Azri Muhammad Jamil ¹ , Nur Ratasha Alia Md. Rosli ¹ , Marlida Md Nor ¹ and Siti Norsyafiqah Mohd Mustafa ³ ¹ Universiti Kebangsaan Malaysia, Malaysia ² University of Surrey, United Kingdom ³ National Cancer Institute, Putrajaya, Malaysia

Scientific ePoster Presentation

LCD 3

Date: 01st March 2019 (Fri)

Time: 1050 – 1110

Session: Medical Physics (Therapy)

Chairperson: Dr. Hazlin Hashim

ID	Time	Title
28	1050 - 1055	Dosimetric comparisons between two- and three-dimensional treatments plans for prostate cancer. Abdelmoneim Sulieman ¹ , Yousra Khairi ² , Maha Hassan ³ , Hiba Omer ⁴ and Esameldeen Babikir ⁵ ¹ Prince Sattam bin Abdulaziz University, Saudi Arabia ² Bioline Company, Sudan ³ National Cancer Institute, Egypt ⁴ Imam Abdulrahman bin Faisal University, Saudi Arabia ⁵ University of Bahrain, Bahrain
64	1055 - 1100	Fabrication of anthropomorphic tissue-equivalent thyroid-neck phantom use in nuclear medicine. Noorfatin Aida Baharul Amin and Rafidah Zainon Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia
1	1100-1105	A review of dose to extremities using conventional and automated radiopharmaceutical dispenser system. R Zainon ¹ , Noorfatin Aida Baharul Amin ¹ and Mohamad Aminudin Said ² ¹ Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia ² Department of Nuclear Medicine, National Cancer Institute, Putrajaya, Malaysia

Scientific ePoster Presentation

LCD 3

Date: 01st March 2019 (Fri)

Time: 1630 - 1650

Session: Medical Physics (Therapy)

Chairperson: Dr. Hazlin Hashim

60	1630 - 1635	A review on radiation shielding materials in nuclear medicine. <u>Nadin Abualroos</u> and Rafidah Zainon Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia
49	1635 - 1640	Intensity threshold based segmentation method for Positron Emission Tomography (PET) images: a review. <u>Mahbubunnabi Tamal</u> ¹ and Rafidah Zainon ² ¹ Imam Abdulrahman Bin Faisal University, Saudi Arabia ² Advanced Medical and Dental Institute, Universiti Sains Malaysia, Malaysia
69	1640-1645	The dose enhancement of MAGAT gel dosimeter doped with zinc oxide at 6 MV photon beam <u>A S Mustaqim</u> ¹ , N Z Yahaya ¹ , N N A Razak ² , and M Hafiz M Zin ³ ¹ School of Distance Education, Universiti Sains Malaysia ² School of Physics, Universiti Sains Malaysia ³ Advanced Medical and Dental Institute, Universiti Sains Malaysia
26	1645-1650	Computed tomography room shielding calculation of 140 keV photons using Monte Carlo simulation. <u>Mohd Zahri Abdul Aziz</u> ¹ , <u>Mohd Fahrizuan Mohd Yusop</u> ¹ , Nik Kamarullah Ya Ali ² , Suffian M. Tajudin ³ , Hiroshi Iwase ⁴ and Mariane Musarudin ⁵ ¹ Oncological and Radiological Science Cluster, Advanced Medical and Dental Institute (IPPT), Universiti Sains Malaysia ² Department of Radiology, Hospital Universiti Sains Malaysia, Universiti Sains Malaysia ³ Universiti Sultan Zainal Abidin, Faculty of Health Sciences, Malaysia ⁴ High Energy Accelerator Research Organization (KEK), 1-1 Oho, Tsukuba, Ibaraki 305-0801, Japan ⁵ School of Health Sciences, Health Campus, Universiti Sains Malaysia, Malaysia