## Poster session-1

Title	Author		Code
Evaluation of Patient Effective Doses and Imaging protocols in Cardiac catheterization Procedures	Abdelrazig	A.	P1
Effect of Gamma Irradiation on Tropomyosin in Black Tiger Shrimp (Penaeus monodon) and Giant Freshwater Shrimp (Macrobrachium rosenbergii)	Abdull Razis	A.F.	P2
Evaluation of annual effective dose from indoor radon concentration in Eastern Province, Dammam, Saudi Arabia	Abuelhia	E.	Р3
Measurements S OF RADIATION DOSES IN MULTISLICE COMPUTED TOMOGRAPHY EXAMINATIONS	Abuzaid	M.	P4
Dosimetry Characteristic of Fabricated Germanium Doped Optical Fibres for Non-Reference Condition Postal Dose Audit	Ahmad Fadzil	M. S.	P5
DETERMINATION OF NATURALLY OCCURRING RADIONUCLIDES AND ANNUAL EFFECTIVE DOSE IN DISI AQUIFER WATER, JORDAN	Al-Bedri	M. B.	Р6
Occupational Radiation Exposure In Nuclear Medicine	Al-Nuaimi	M.	P7
Dose Enhancement Effects By High Z Element On Synthetic Diamond Sensor For Medical R-Ray Dosimetry	Alamoudi	D.	P8
Lower Limits of Detection in use of Carbon Nanotubes as Thermoluminescent Dosimeters of Beta particles	Alanazi	A.	P9
A survey of awareness of radiation dose among radiology staff in Saudi Arabia	Aldhafeeri	F.	P10
Improvement of the performance of broad energy germanium detectors using pulse shape analysis for environmental applications	Ali	N.	P11
Evaluation of Dose Uncertainty in Radiation Processing Using PR Spectroscopy and Butylated Hydroxytoluene Rods as Dosimetery System	Alkhorayef	M.	P12
Comparison between the mass attenuation coefficients determined by the same atomic	Almeida Junior	A. T.	P13

composition and coefficients experimental measurements irradiated with ISO X-ray beams			
Dosimetric characterization of small photons beams of a novel linear accelerator using EDGE diode detector	Almonte Reinoso	А	P1
Energy Spectra of Photons in Tissue Equivalent Phantoms	Alrefae	T.	P1
Thermoluminescent properties of lanthanum aluminates doped praseodymium	Alvarez	R.	P1
Calculation of neutron dose to the fetus during commercial flights using a pregnant model and Monte Carlo simulation	Alves	M.	P1
Estimate of fluence-to-dose conversion coefficients using hybrid anthropomorphic phantom in a sitting posture and Monte Carlo method	Alves	M.	P1
Investigation of silica-based TL media for x-ray dosimetry	Alyahyawi	A.	P1
Assessment of the efficacy of a thermoluminscent dosimeters holder for a multicentre stereotactic radiosurgery audit	Alyahyawi	A.	P2
Theoretical study of depth profiling with gamma- and x-ray spectrometry based on measurements of intensity ratios	Bartova	Н.	P2
Determination of U, Th and K in Bricks by Gamma Spectrometry, X-ray Fluorescence Analysis and Neutron Activation Analysis	Bártová	Н.	P2
Size-Specific Patient Dose Estimates (SSDE) in CT Examinations of children in Sudanese Hospitals following the recommendations of AAPM	Bashier	E.	P2
Development of a new optical method for gel dosimeters based on the analysis of the scattering light	Bleuse	0.	P2
Quality Audits for Advanced Technology in Radiotherapy Dose Delivery in Poland	Bulski	W.	P2
Evaluation of the dose received in the tissues of the neck during the quantification of lodine in the thyroid by X-ray fluorescence spectrometry	C. Licour	C.	P2
Influence detector on measures the parameters to determine the average glandular dose	Carmo	К. С.	P2

Calculation of cancer risk for patient in proceeding involving C-Arm in kyphoplasty surgery using Monte Carlo Method	Cavalcante	F.	P28
A treatment planning and dosimetric comparison between intensity modulated radiotherapy and volumetric modulated arc therapy plans for lymph node positive breast cancer	Chang	C. Y.	P29
The dosimetric effects and calibration of computed tomography on radiotherapy	Chang	K-P	P30
Optimization of Dose and Image Quality for the Pediatric Computed Tomography Scan	Chang	K-P	P31
Using N-isopropylacrylamide Gel Dosimeters to Verify the Dose Distribution of Intensity Modulated Radiation Therapy	CHAO	H-Y	P32
Estimation Of The Differences Between The Effective Dose And Hp(10) Exposed By Different External Photon Sources	CHEN	L.	P33
Radiation sensitization effect of GNP simulated with nanodosimetry Monte Carlo code - NASIC	Chen	Y.	P34
Reference air kerma rate calibration system for high dose rate Ir-192 brachytherapy sources in Taiwan	Chu	W-H	P35
Using N-Isopropylacrylamide Gel Dosimetry to Measure the Penumbras of Photon	Chung-Yu	C.	P36
Measurement uncertainties associated with in vivo monitoring of inhaled caesium-137	Collard	A.	P37
Characterization of an Extrapolation Chamber for Dosimetry of Low Energy X-Ray Beams	Da Silva (1 <sup>st</sup> author on abstract: F. Bastos)	Т.	P38
Radiation Dose Evaluation in Body Scan Inspection System "NUCTECHTM HT2000GA" using Optically Stimulated Luminescent Dosimeter	Da Silva (1 <sup>st</sup> author on abstract: C. De Lima)	F.C.A	P39
DSC Studies on Gamma Irradiated Poly (vinylidene fluoride) Applied to High Dose Dosimetry	de Souza Medeiros Batista	A.	P40
Gamma Beam-127 irradiation dose mapping simulation using the MCNP code for dosimetry systems control	de Souza Medeiros Batista	A.	P41
Dosimetry-based Treatment Planning for Metastatic Prostate Cancer Treated with Radiopharmaceuticals	Denis-Bacelar	A. M.	P42
X-ray spectra optimization in Cone Beam CT lung imaging: a Monte Carlo study	Di Maria	S.	P43

Influence of X-ray scatter radiation on image quality in Digital Breast Tomosynthesis (DBT)	Di Maria (1 <sup>st</sup> author on abstract: M. J. Rodrigues)	S.	P44
Dosimetry assessment of DNA damage by Auger- emitting radionuclides: experimental and Monte Carlo studies	Di Maria	S.	P45
Poster session-2			
Evaluation of thermoluminescence response of photonic crystal silica-fibres subjected to photon radiation	Entezam	A.	P46
CALIBRATION WHOLE BODY COUNTER (WBC) OF THE LDI/CDTN USING TWO PHYSICAL PHANTOMS	Fonseca	T.	P47
SIMULATION OF INTERNAL CONTAMINATION SCREENING WITH DOSE RATE METERS	Fonseca	T.	P48
Simulation of Both Percentage Depth Dose and Tissue Phantom Ratio in Water Phantom for 6 MV Linac Photon Beam using Different MC Codes	Fonseca	T.	P49
Skin dose for head and neck cancer patients treated with intensity-modulated radiation therapy ( IMRT )	Fu	H-J	P50
Monte Carlo simulation of a TEPC for microdosimetry of carbon ions	Galer	S.	P51
Thermoluminescence dosimeters in radiation fields for neutron capture therapy	Gambarini	G.	P52
Radiation dose optimization in computed tomography	Gharbi	S.	P53
Estimation of Effective dose and Radiation risk in Paediatric Renal Scintigraphy	Hamza	Υ	P54
Examination on penetration path and deposition distribution of radionuclides in house	Hirouchi	J.	P55
Research on the Dose Characteristic Analysis Using EPR method for Gamma-ray Irradiated Spices	Hsu (1st author on abstract: Z-S Cai)	F-Y	P56
Dose Estimation of Eye Lens for Interventional Procedures in Diagnosis	Hsu (1 <sup>st</sup> author on abstract: Y-R Liu)	F-Y	P57

Radiation dose measurement of patient eye-lens in brain CT examinations	Hsu	F-Y	P5
Dose Inspection and Risk Estimation on Radiation Safety for the Uses of Non-Medical 30 to 150 kV X-ray Equipment and Open Beam Devices	Hsu	F-Y	P59
Evaluation of Optimal Parameters for Using Low-dose Computed Tomography to Diagnose Urinary Tract Stones	Hsu (1 <sup>st</sup> author on abstract: H-H Chen)	F-Y	P60
Risk assessment of radiation-induced secondary cancer of treating nasopharyngeal carcinoma with the intensity modulated radiotherapy	Hsu (1 <sup>st</sup> author on abstract: S. S. Sun)	S-M	P61
Calculation of correction factors for cylindrical free-air chamber	Huang	T-T	P62
A Radiation Protection Concept for the MedAustron Facility	Jägerhofer	L	P6:
Dosimetric properties of CaSO4:Tm and CaSO4:Tm,Ag crystals produced by slow evaporation route	Junot	D	P64
Air Radon equilibrium measurement in a Waste Water Treatment Plant	Juste (1 <sup>st</sup> author on abstract: J. Martinez)	В	P6!
Noncoplanar Irradiation for Critical Organ Sparing in Helical Tomotherapy	Kim	Y-N	P60
Evaluation of Skin Dose due to the Scattered Radiation by Employing a Blanket for Helical Tomotherapy	Kim	Y- N	P6
Wearable Glass Beads in In-vivo Dosimetry for Total Body Irradiation and Total Skin Electron Irradiation	Kirabo	S.N.	P68
Factors Limiting the Linearity of Response of Tissue Equivalent Proportional	Kowalski	T.	P6
Measurements and calculations of gas gain in tissue equivalent gases	Kowalski (1 <sup>st</sup> author on abstract: O. Sahin)	T.	P7(
The Study of Au/Al2O3 Phosphors in Optically Stimulated Luminescence Radiation Response	LAI	L-H	P7:
In Vivo Dose Verification of Thin Optically Stimulated Luminescence Dosimeter in Head and Neck Cancer for Intensity-Modulated Radiotherapy and Volumetric-Modulated Arc Therapy Techniques	LAI	L-H	P7:

Destructive and non-destructive measurements of NORM in monazite-rich sands of Brazil	Larijani	C.	P73
The Impact of Counting Statistics on the Accuracy of Model-based Range Verification in Proton Therapy Using PET	Lee	C-Y	P74
Synthesis and dosimetric characterization of Sr4Al14O25: Ce+2	León Madrid	M.I.	P75
Influence of the operating modes and exposure time of the radiation monitoring instruments for area monitoring used at mammography facilities	Leyton (1st author on abstract: M. Navarro)	F.	P76
Scatter radiation dose at height of the cardiologist's eye: A multicentre study	Leyton	F.	P77
The Beam Quality of the New Transmission type X ray Tube	Liao (1 <sup>st</sup> author on abstract: S. Hsu)	Y-J	P78
Monte Carlo simulations for angular and spatial distributions in therapeutic energy proton beam	Lin	Y-C	P79
Patient dose reduction using automatic exposure control and iterative dose reduction 3D of abdominal CT examinations	Lin	H-C	P80
Fricke-gel dosimeters for 3D dose mapping using MRI technique	Liosi	G.	P81
Simulation of breast deformation for compressed breast thickness estimation in mammography using finite element analysis: a preliminary study	Liu	Y-L	P82
The Method for Estimation of Whole Body Effective Dose with Using Absorbed Dose of Human Enamel, Fingernails, and Skin	LIU	Y-C	P83
The Research of Comparing Right Breast Cancer Radiation Therapy between Volumetric Modulation and Hybrid, and Its Estimation and Optimization of Therapy Radiation Dose	LIU	Y-C	P84
The Research of Estimation of Radiation Dose with Using EPR Methods	LIU (1st author on abstract: K.M. Chang)	Y-C	P85
Study of Heptamethine Iodide and Heptamethine PF6 Solutions in Different Solvents for the Measurement of Low Doses of X-ray & Gamma Radiation	Tesfay	Н.	P86

Environmental radioactivity analysis by a sequential approach	MEDKOUR ISHAK BOUSHAKI	G.	P87
Computing Calibration Factor with Visual Monte Carlo -VMC simulations of an accidental contamination with 99mTc	Mendes	В.	P88
Statistical process control analysis of Tomotherapy treatment plans for local delivery guideline	Mezzenga	E.	P89
Investigating the Self-Assembly of Crown Ether- Carbon Nanotube Hybrid Systems for the Sequestration of Radionuclides	Mohamud	Н.	P90
Poster session-3			
Dosimetry Audits and Intercomparisons in Radiotherapy: a Malaysian Profile	Mohd Noor	N.	P91
Angular dependence of the response of optical fibre Thermoluminescence dosimeters	Moradi	F.	P92
COMPARATIVE EVALUATION OF THE TECHNICAL PERFORMANCE OF DIGITAL MAMMOGRAPHIC AND SCREEN-FILM MAMMOGRAPHY	Nogueira	M. S.	P93
Kinetic, isotherm and thermodynamic modelling for radioactive cesium removal from aqueous solution by modified conducting polymer: A radiotracer study	Olatunji	M.	P94
Radiation Levels and Image Quality in Patients Undergoing Chest X-ray Examinations	Oliveira	P.M.C.	P95
ESTIMATION OF BREAST DOSE AND CANCER RISK IN CHEST AND ABDOMEN CT PROCEDURES	Omer	Н.	P96
Computed Tomography Dose Index and Dose length product During Abdominal Investigations As Radiation Dose Indicators	Osman	Н.	P97.
DOSE ASSESSMENT AND CANCER RISK FOR CHILDREN AND ADULTS FOR PROTOCOL HEAD AND CHEST IN SEVERAL MULTIDETECTOR TECHNOLOGIES	Pedrosa	K.F.S	P98
TOPAS Calculated Correction Factors for the NPL Proton Calorimeter	Petrie	L. M.	P99
Patients' organ dose and risk assessment in interventional cardiology procedures	Portugal	M.	P100
Study of Dose Profile in Head CT Scans	Prata Mourao	A.	P101

	(1st author on abstract: A. Gomez)		
Development of a chest phantom for testing in Computed Tomography scans	Prata Mourao (1st author on abstract: W. Aburjaile)	A.	P102
Response Evaluation of a phosphor plate used in CR mammography	Prata Mourao (1st author on abstract: M. Flores)	A.	P103
Radiochromic Film Calibration for the RQT9 Quality Beam	Prata Mourao (1st author on abstract: K. Costa)	A.	P104
Pechini's Modified Method to prepare LaAlO3:RE Thermoluminescent materials	RIVERA	Т	P105
Whole-body 18F-FDG PET-CT scanning: radiation levels for oncologic diagnosis	Santana	P. C.	P107
Monte Carlo Based Calibration Of An Airborne radioactivity monitoring system	Sarnelli	А	P108
Application of PTTL (phototransferred thermoluminescence) method for dose reassessment in individual and extremity dosimetry	Sas-Bieniarz	A.	P109
Dosimetric Evaluation of Radiographic Examinations of Premature Patients During their Hospitalization Period in a NIC Unit	Schelin (1st author on abstract: M.L.C Gois)	Н.	P110
Staff Dose Evaluation through Parameters Optimization in Pediatric Barium Meal Examinations	Schelin (1st author on abstract: D. Filipov)	Н.	P111
Dose evaluation in Pediatric Patients Undergoing Chest X-ray examinations	Schelin (1st author on abstract: F. Piantini)	H.	P112
Dosimetric Simulation in Newborns Undergoing Chest X-ray Exams through the Caldose_X Software	Schelin (1st author on abstract: A. P. Bunick)	H.	P113
Development of an Optimized Methodology to Measure Low Radium Activity Concentration in Water	Schelin (1st author on abstract: J. Kappke)	Н.	P114
Incident Air Kerma and Mean Glandular Dose Measurements for Augmented Breasts Mammograms	Schelin (1st author on abstract: I. T. Nakano)	H.	P115

Assessment of Human Exposure to Radon and Other	Schelin		
Radioisotopes Present in Building Materials of Workplaces	(1st author on abstract: F. Del Claro)	H.	P116
Determination of Levels of Naturally Occurring Radioactive Materials in Lagoon Samples Containing Produced Water from the Minagish Oil Field in the State of Kuwait	Shams	Н	P117
The Evaluation of the characteristics of high-energy electron beams with N-isopropylacrylamide gel dosimeter	Shih	T-Y	P118
Dosimetric Characteristics of Fabricated Ge-Doped Silica Optical Fibre for Small Field Dosimetry	Siok Ee	L	P119
Estimate of S-values for children due to six positrons emitting radionuclides used in PET examinations	Souza	D.	P120
Study of Dietary Supplements Compositions by Neutron Activation Analysis at the VR-1 Training Reactor	Štefánik	M.	P121
Assessment of Medical Radiation Exposure to Patients and Ambient Doses in Certain Diagnostic Radiology Departments	Sulieman	A.	P122
Measurement of Effective Radiation Dose to Patients in Certain Radiographic Examinations in Alkharj City	Sulieman	A.	P123
Radiation Exposure in Direct Digital Radiography and Potentials for optimization: Measurements and Retrospective Dosimetry	Suliman	l. l.	P124
A Monte Carlo Model for Photoneutron Generation by a Medical LINAC	Sumini	M.	P125
Occupational doses of medical staff in interventional cardiology procedures and link to the patient dose levels	Szumska	A.	P126.
A New Nuclide Transport Model in Soil in the Genii-Lin Health Physics Code	Teodori	F.	P127
Evaluation of Radiation Dose during Percutaneous Angioplasty for Arteriovenous Shunt Assembling	TING	C-Y	P128.
Secondary neutrons in wobbling scattered proton treatment nozzles	Tsai	H-Y	P129
	Urban		
IMRT plan verification with EBT2 and EBT3 films compared to PTW seven29 detector	(1st author on abstract: T. Hanusova)	Т	P130
New Neutron Detector Design Optimization by Monte Carlo Simulation	Urban	Т	P131

Experimental characterization of the neutron spectra generated by a high-energy clinical LINAC using neutron activation metal detectors	Vagena	E	P132	
Optically Stimulated Luminescence characterization of three different borate glasses	Valença	J	P133	
TL dosimetric properties of lead borate glasses containing Dy3+ and Eu3+ ions for UV and gamma dosimetry	Vallejo	M. A.	P134	
Effects of Distribution of Glandular Tissues on Glandular Dose in Mammography Based on a Detailed Breast Model	Wang	W.	P135	
Studies of mass attenuation co-efficient of decorative building materials as for the shielding of ionizing radiation	Yasmin	S.	P136	
Monte Carlo Calculations in Dosimetry and Radiation Measurement Presentation title: Monte Carlo Evaluation of Acuros XB Dose Calculation Algorithm for Intensity Modulated Radiation Therapy of Nasopharyngeal Carcinoma	Yeh	PC-Y	P137	
CT-based Monte Carlo dose calculations for gynaecology brachytherapy employing a Henschke applicator	Yu	P-C	P138	
Assessment of radiation dose and induced risk of cancer in multislice CT and cone beam CT exams for dental implant planning	Zenóbio	M.A.F.	P139	
Primary investigations on a Phosphorus doped silica rod as real time X-Ray dosimeter	Zubair	Н. Т.	P140	
Late submissions				
Estimation of entrance surface dose rates for exposure scenarios of Total Body Irradiation using MCNPX code	Cunha	J. S.	L1.	
Synthesis of BaHfO3:Eu3+ for ultraviolet radiation detector	Barrera	A. A.	L2.	