POSTERS

SCIENTIFIC SESSION 1.
Radiation Protection of Patients and Staff in High Dose Diagnostic and Interventional Procedures

S1.P1	V. Tsapaki, A. Christou, N. Nikolaou, S. Spanodimos, I. Chinofoti, A. Poulianitou, S. Patsilinakos	Radiation doses in a newly founded Interventional Cardiology Department
S1.P2	V. Tsapaki, A. Christou, S. Spanodimos, N. Nikolaou, A. Poulianitou, S. Patsilinakos	Evaluation of Radiation Dose During Pacemaker Implantations
S1.P3	A. Neocleous, E. Yakoumakis, G. Gialousis, A. Dimitriadis, N. Yakoumakis and E. Georgiou	Gafchromic XR-RV2 Radiochromic Films Dosimetry in Interventional Radiology
S1.P4	P. Mehnati, A. Mesbahi	Evaluation of Patient Dose in Cardio Angiography Procedures in Angiography Department of Shahid Madani Hospital of Tabriz, Iran
S1.P5	A. Sulieman, M. Elzaki, C. Kappas and K. Theodorou	Radiation Dose Measurement in Gastrointestinal Studies
S1.P6	A. Sulieman, M. Vlychou, I. Tsougos, C. Kappas, K. Theodorou	Radiation Doses to Patients Undergoing Enteroclysis
S1.P7	C. Prieto, E. Vano, J.M. Fernández, D. Martinez, R. Sánchez	Increases in patient doses need to be avoided when upgrading interventional cardiology systems to flat detectors
S1.P8	E. Molyvda-Athanasopoulou, M. Karlatira, A. Psarrakou, Ch. Koulouris, A. Siountas	Radiation exposure to patients and radiologists during interventional procedures
S1.P9	C. Ubeda, E. Vano, P. Miranda, F. Leyton, E. Valenzuela, C.Oyarzun	Radiation dose and image quality for adult interventional cardiology in Chile. A national survey
S1.P10	R. Sánchez, E. Vano, J.M. Fernández, A. Machado, N. Roas	Enhancing the performance of radiochromic XR-RV3 film to measure patient skin doses in interventional procedures
S1.P11	A. Widmark, E.G. Friberg	How “do’s” and “don’ts” can be of significant importance in radiation protection
S1.P12	A. Beganovic, B. Basic, M. Gazdic-Santic, A. Skopljak-Beganovic, A. Drljevic1, D. Samek	Occupational and patient exposure in interventional cardiology in Bosnia and Herzegovina
S1.P13	J. Hristova, J. Vassileva, I. Saltirov	Exposure to patient during interventional endourological procedures
S1.P14	L. Sukupova, L. Novak, P. Kala	Patient Skin Dosimetry in Interventional Cardiology in the Czech Republic
S1.P15	J. Kalef-Ezra, E. Katsarou, S. Karavasilis, M. Matsagkas, L.K. Michalis	Direct measurement of skin dose with radiochromic films in fluoroscopy guided vessel repairs
S1.P16	R. Borisova, J. Vassileva, V. Gelev, A. Doganov	Patient skin doses in complex cardiac procedures
S1.P17	A. Baratov	Comparison of DAP values for low-pulsed vs. normal-pulsed coronary angiography
S1.P18	B. Fasaei, R. Paydar, N. Ahmadi Jeshvaghane, H.R. Khosravi, A.Rashidi, M.R. Deevband, A. Karamloo, A. Pakniat, A. Bitarafan Rajabi	A National Approach of Reference Level in Some Routine Angiography Procedures in Iran

S1.P19	H. Kamoun, A. Boussaadoun, N. Attia , L. Ben Omrane, K. Ben Jemaa, A. Hammou	Radioprotection in orthopedic theatre in Tunisian hospital
S1.P20	T. Tonev, K. Velkova	Reducing the patient dose in two types of contrast radiological tests- interventional (angiography) and conventional (irigography) through development the new working protocols
S1.P21	S. Kiti, K. Korir	Computed Tomography (CT) Examination Practices in Kenya
S1.P22	D. Arandjic, O. Ciraj-Bjelac, Dj. Lazarevic	Pediatric doses in Computed Tomography in Serbia
S1.P23	Gbelcová, Nikodemová, Horváthová	Patient Dose Optimization in Paediatric CT
S1.P24	D. Kostova-Lefterova, J. Vassileva	Survey of practice in pediatric computed tomography
S1.P25	N.A. Ahmed, E.H. Osman1, N. Alrehema1, A.A. Razeeg	Potential for Optimization in Paediatric CT examination in Sudan
SCIENTIFIC SESSION 2. **Radiation effects and risks**		
S2.P1	S. Milacic	Occupational Diseases and Radiation Protection of Exposed Workers
S2.P2	V. Hadjidekova	Effects of ionizing radiation on the embryo and fetus. Radiation risks in prenatal medical exposure
S2.P3	L.Ş. Coretchi	DNA Damage-related Gene Expression as Biomarkers to Assess Low Dose of Radiation Exposure
S2.P4	L.Ş. Coretchi, I.N. Bahnarel, E.E. Samotyja, L.I.Coreţchi, A. Cornescu	Evaluation of the Immunological Effects of Medical Exposure Staff
S2.P5	D. Jovičić, B. Rakić, T. Vukov, J. Pajić, S. Milačić, R. Kovačević, M. Stevanović, D. Drakulić, N. Bukvić	Comparative cytogenetic analysis of chromosomal aberrations and premature centromere division in persons exposed to radionuclides
S2.P6	S. Milačić	Radiation Protection of Medical Workers Living on the Terrains Contaminated with Depleted Uranium
S2.P7	I. Schmitz-Feuerhake, S. Pflugbeil	“Lifestyle” and Cancer Rates in Former East and West Germany: the Possible Contribution of Diagnostic Radiation Exposures
S2.P8	J. Pejchal, V. Vasilieva, M. Hristozova, Z. Vilasová, J. Vávrová, M. Alyakov, A. Tichý, L. Zárybnická, Z. Šinkorová, V. Tambor, K. Kubelková, J. Dresler	Cytokinesis-block micronucleus (CBMN) assay/CBMN cytome assay in human lymphocytes after in vitro irradiation and its use in biodosimetry
SCIENTIFIC SESSION 3. **Radiation Protection and Quality Assurance in Radiotherapy**		
S3.P1	G. Gialousis, A. Dimitriadis, E. Yakoumakis	Monte Carlo Estimation of Dose Difference in Lung from Ir-192 Brachytherapy Due to Tissue Inhomogeneity
S3.P2	A. Chougule	Application of Thermo luminescence in Medical field
S3.P3	C. Einberg	U.S. Medical Event Reporting Criteria

S3.P4	A. Karamloo, H. R. Khosravi1, M. R. Deevband, B. Fasaei, N. Ahmadi, R. Paydar, A. Pakniat	Analysis of potential errors for patients undergo treatment in radiotherapy departments of Iran
S3.P5	N. Medvedevas, J. Laurikaitiene, D. Adliene	Distribution of scattered radiation from a phantom during X-ray treatment
S3.P6	E. Kostova, N. Kostova, A. Borisova, D. Aleksandrova, A. Trendafilov	Modification of "Box" technique for external beam radiotherapy of pelvis with Co-60 beam
S3.P7	D. Neamtu	Implementation and adaptation of the European Guidelines into our Romanian hospital; the medical physicist role in the Romanian context
S3.P8	S. Saghamanesh, A. Karimian, M. Abdi	Absorbed dose assessment of cardiac and other tissues around the cardiovascular in brachytherapy with $^{90}Sr/^{90}Y$ source by Monte Carlo simulation
S3.P9	O. Anjak, M. H. Kharita	Quality Audit for Dose Determination in the Field of Radiotherapy Using TLD
S3.P10	B. Havrankova	Preventing accidents and incidents in radiotherapy in the Czech Republic
S3.P11	B. Hajizadeh, M.R. Kardan, R. Paydar, M. Deevband, S.H. Khatam Nejad Pakzad	Comparison between Source Activity and Output Dose in Cobalt Teletherapy Units
S3.P12	M. Zabihzadeh, M. Allahverdi, M.R. Ay, S.R. Mahdavi, A. Mesbahi, M. Shahriari	Monte Carlo Calculation of Neutron Doses to Critical Organs of a Female Undergoing a Pelvic Box Irradiation
S3.P13	S. V. Castrillón, F. C. Henríquez, J. M. Ramos, E. G. Díez	Commissioning of two secondary standards in the Spanish Ionizing Radiations Metrology Laboratory
SCIENTIFIC SESSION 4. **Radiation Protection of Patients and Staff in Nuclear Medicine**		
S4.P1	M.Casale, A.A.Russo, R.Delia	Radiation protection in the management of hospitalized patients, when injected with ^{99m}Tc
S4.P2	Z. Krasteva	Surveillance on performance of dose calibrators in nuclear medicine (NM) centers in Bulgaria
S4.P3	N. Mossadegh, A. Karimian, E. Shahhosseini, A. Mohammdzadeh, Sh. Sheibani	Evaluation of personnel absorbed dose in production of medical radioisotopes by 5 MW research reactor using Rando phantom and Thermoluminescent Dosimeter
S4.P4	J. Kalef-Ezra, S. Valakis	Performance of a prototype multi-detector whole body counter
S4.P5	S. Ivanova	Calculating, and analysis of the radiation protection and shielding of Nuclear Medicine Center including PET/CT center situated in University Hospital St. Marina in Varna, Bulgaria
S4.P6	R. Meades, A. Jones, D. Woodhouse, D. Towey, A. Al-Nahhas, K.S. Nijran	Staff Doses in a New PETCT Facility – Risk Assessments Versus Reality
S4.P7	M. Lyra, V. Charalabatou, M. Sotiropoulos, N. Lagopati	Radiation Protection of staff in In-111 radionuclide therapy. Is the lead apron shielding effective?
S4.P8	S. Missailidis, C. DaPieve, C.L. Diniz, M. Bernardo-Filho, R. S. Oliveira	Use of natural extracts for the radioprotection of vital organs during administration of aptamer-based radiopharmaceuticals
S4.P9	F.S. Carmo, C.L. Diniz, D.S. Almeida, N.S. Pinto, E.F. Frederico, S.D. Santos-Filho, A.S. Adenilson, S. Missailidis, M. Bernardo-Filho	Aqueous extract of *Olea europaea* alters labelling of red blood cells with technetium-99m

S4.P10	S.D. Santos-Filho, F.S. Carmo, C.L. Diniz, D.S. Almeida, N.S. Pinto, E.F. Frederico, A.S. Fonseca, S. Missailidis, M. Bernardo-Filho	Radiation Protection in Medicine: The importance of experimental models in assessing unexpected effects in the biodistribution of radiopharmaceuticals and the effect of the aqueous plant extract of *Junglans regia*
S4.P11	C.L. Diniz, F.S. Carmo, D.S. Almeida, N.S. Pinto, S. Santos-Filho, A.S. Fonseca, S. Missailidis, M. Bernardo-Filho	Radiation Protection in Medicine and the effect of drugs and natural extracts: An experimental model using the labelling of blood constituents with technetium-99m (^{99m}Tc) and an aqueous extract of *Hibiscus sabdariffa L*.
S4.P12	D.S. Almeida, F.S. Carmo, C.L. Diniz, N.S. Pinto, E.F. Frederico, A.S. Fonseca, S.D. Santos-Filho, S. Missailidis, M. Bernardo-Filho	Radiation Protection in Medicine: The relevance of experimental assays and the investigation about an aqueous extract of *Allium porrum* and the labelling of blood constituents technetium-99m
S4.P13	A.S. Fonseca, F. Paoli, D.S. Almeida, F.S. Carmo, C.L. Diniz, N.S. Pinto, E.F. Frederico, S.D. Santos-Filho, S. Missailidis, M. Bernardo-Filho	Radiation Protection in Medicine and the relevance of studies of a radiomimetic chemical substance used in nuclear medicine procedures and capable of inducing filamentations in *Escherichia coli* cultures
SCIENTIFIC SESSION 5. **Quality Assurance and Patient Dosimetry in Diagnostic Radiology.** **Optimisation and Justification in Diagnostic Radiology**		
S5.P1	A. Stratis, M. Molfetas, A. Louisi, S. Kottou	A Multicentric Study on Patient Dose in Multislice CT
S5.P2	R. Burkhardt, L. Bogdan, D. Fulea	Some Aspects of Patient Radioprotection in Radiodiagnostic in Cluj Area
S5.P3	E.G. Friberg, A. Widmark, M. Solberg, T. Wøhni	Level of compliance with the radiation protection regulation among Norwegian Hospital Trusts and X-ray institutes – the truth
S5.P4	D. Kostova-Lefterova, D. Taseva, K. Ingilizova, J. Hristova, J. Vassileva	Potential for optimization of pediatric chest X-ray examination
S5.P5	A. Sulieman, M. Vlychou, I. Tsougos, K. Theodorou	Radiation Doses to Paediatric Patients with Pneumonia and Co-patients Undergoing Chest X rays
S5.P6	F. Malchair, A. Stembert	Use of a neonatal chest phantom to optimize dose versus image quality
S5.P7	A.M. McGarrigle, O.J. O'Connor, M.M. Maher	Challenges in Estimating Patient Dose – 3 Case Studies
S5.P8	G. Gialousis, Z. Pappouli, A. Dimitriadis, E. Karavassilis, E. Georgiou and E. Yakoumakis	Comparison of Organ Doses Estimations in Radiology with PCXMC Application Based on MIRD Phantoms and CALDOSE-X Application Based on Voxel Phantoms
S5.P9	J. Fazakerley, H. Gfirtner, P.A. Kaplanis, P. Schneider, J. Vassileva, M. Moores, P. Charnock, R.Wilde	Comparison of Doses for Chest Examinations between Different Sites in Europe
S5.P10	A. Dimitriadis, G. Gialousis, T. Makri, M. Karlatira, P. Karaiskos, E. Georgiou and E.N. Yakoumakis	Monte Carlo Estimation of Radiation Doses During Paediatric Barium Meal and Micturating Cystourethrography Examinations
S5.P11	Y. Mironova, L.Urina	Optimization of Radiological Diagnostics of Developmental Dysplasia of Hip (DDH)
S5.P12	Y. Kovalenko, S. Miroshnichenko, S. Balashov, N. Potrahov	Possibility of Creating Specialized Working Places for On-line X-ray Examinations of Infants Based on Digital Micro Focus Radiography
S5.P13	C. Clancy, L. Bowden, R. Faulkner	A review of the current guidance for the assessment of computed radiography (CR) image reading systems

S5.P14	T. Berris, K. Perisinakis, A.E. Papadakis, J. Damilakis	A comparison of two methods for the determination of free-in-air geometric efficiency in MDCT
S5.P15	D. Bor, Ö. Demirkaya, A. Kurt , Ş. Yüksel	Performance measurements of X-ray anti-scatter grids
S5.P16	R. Faulkner, L. Bowden, C. Clancy, A. Gallagher, A. Dowling	Comparison of doses under Automatic Exposure Control (AEC) conditions for DDR X-ray systems using different protocols
S5.P17	W. Ślusarczyk-Kacprzyk, W. Skrzyński, W. Bulski	Quality Control and Patient Doses in Computed Tomography
S5.P18	I. Dyakov, N. Dyakov, E. Dimitrova, J. Vassileva	Comprehensive analysis of the practice in one radiography department
S5.P19	D. Hristova, J. Hristova, I. Diakov, D. Taseva, N. Boninska, L. Petrov	Patient doses from chest radiography in a big radiology department
S5.P20	G. Charitou, S. Christofides, P. A. Kaplanis, C. Yiannakkaras, N. Papadopoulos, C. Papaefstathiou, G. Menikou, G. Kokona, D. Kaolis	Mobile X-ray Units: Frequency of Use
S5.P21	M. Mikusova	Measures Concerning Radiation Protection of Children in Radiodiagnostic in the Czech Republic (Poster)
S5.P22	E. Dougeni, CL. Chapple, J. Willis, G. Panayiotakis	Assessment of effective dose in paediatric CT examinations
S5.P23	F. Malchair, A. Stembert, B. Wiesen	Frequency and dose of CT examinations for in-patients in a university hospital in Belgium
S5.P24	L.C.G. Oliveira, T. Kodlulovich, I. Gottlieb, S. Kodlulovich, F.A. Mecca, R.T. Lopes	Dose reduction in CT angiography: abdomen, pelvis and chest examinations
S5.P25	S. Khazzam and M.H. Kharita	The Influence of Slice Collimation in CT on nCTDIw
S5.P26	G.K. Korir, J.S. Wambani, I.K. Korir	Establishing Quality Management Baseline in the Use of Computed Tomography Machines in Kenya
S5.P27	G. Simantirakis, C.J. Hourdakis, S. Economides, P. Dimitriou	Image quality of CT scanners and patient dose from CT examinations in Greece
S5.P28	R. Rashkova, K. Antonova, R. Dobreva	The role of the state health radiation control for radiation safety of radiography equipment in North-Eastern Bulgaria
S5.P29	O. Ciraj-Bjelac, D. Arandjic, D. Kosutic	Comparison of Different Methods for Shielding Design in Computed Tomography
S5.P30	J.M. Sampaio, M.C. Abreu, L. Peralta, L. Silva, P. Sousa	Are We Over-Shielding Mammographic X-ray Imaging Installations?
S5.P31	S. Kiti, R. Kinyua	Intercomparison Exercise (East Africa) on Measurement of the Quantity Personal Dose Equivalent Hp (10) in Photon Fields
S5.P32	T. Ivanova	The role ot state health control for reduction of medical radiation of patients during x-ray diagnosis
S5.P33	A. Hustuc, Iu. Chiruta	Quality Control in Diagnostic and Interventional Radiology – Acceptance and Performance Tests: an Experience of the Technical Service Organizations from the Republic of Moldova

S5.P34	J. Ziliukas, J. Marcinkevicius, A. Usaite, L. Krynke, B. Pakalniskiene, E. Stasiene J. Mazuoliene, G.Setikiene	Survey of Pediatrics Patient Exposure in Radiography Examinations
S5.P35	M. Akhmetov, N. Kozhakhmetov, T. Tumanbayev	Quality Control of X-ray Machines in Kazakhstan
S5.P36	A. Karimian, S. Yazdani, M.A. Askari	Reducing the absorbed dose in analogue radiography of infant chest images by improving the image quality, using image processing techniques
S5.P37	I. Bahnarel, N. Dimov, L. Coretchi, N. Cujba	Radiation protection of the patient in paediatric radiology
S5.P38	R. Roohi Shalemaei, M. Deevband, E. Rouhollahi, A. Eshraghi, H. Shariati, J. Roozi Talab, M. Kardan	The Study of Patients Exposure in Some Routine Radiology Examinations in Iran
S5.P39	R. Roohi Shalemaei	Films Retake and Reject Analysis for Conventional Radiography in Some Iranian main Hospitals
S5.P40	H.R. Khosravi, Z. Gholamalizadeh, M.R. Hanteh Zadeh, H.R. Mohammad, R. Khodadadi, B. Aghahadi	Patient Dose Assessment in Busy Radiology Departments
S5.P41	S. Teferi, D. Admassie, A. Worku, D. Zewdeneh	Local Diagnostic Reference Levels For Adult Posteroanterior (PA) Chest X-ray Examination in Addis Ababa, Ethiopia
SCIENTIFIC SESSION 7. **Training and professional development in radiation protection**		
S7.P1	P. Dimitriou, C. Pafilis, V. Kamenopoulou	Building competence through education and training on radiation protection in medicine
S7.P2	P. Gagova, N. Boninska, N. Slavova	Radiation safety culture as an important part of the profession of radiographers
S7.P3	M. Coeck	Radiation protection training at the Belgian Nuclear Research Centre SCK•CEN
S7.P4	M. Coeck	The development of radiation protection training schemes within the 7FP ENETRAP-II
S7.P5	M. Ginjaume, F. Vanhavere, E. Carinou, G. Gualdrini, I. Clairand, M. Sans Merce, A. Rimpler, J.M. Bordy, D. Nikodemova and X. Ortega	ORAMED training module: Optimizing radiation protection in interventional radiology and nuclear medicine
S7.P6	P. Romem, I. Livshiz-Riven, Y. Romem	Nurses basic knowledge of radiation doses and the potential danger of the frequent imaging procedures with X-rays
S7.P7	H. M. Elmehdi, S. Pistorius, I. Elbakri	Radiation Protection Awareness among Dental Healthcare Professionals in the United Arab Emirates
S7.P8	C. Avadanei, G. Rosca-Fartat, G. Stanescu	Practitioners Education on Medical Exposure Justification
SCIENTIFIC SESSION 8. **Dose surveys, DRLs and Tracking of patient doses**		
S8.P1	R. Wilde, P. Charnock, S. McDonald	Qualifying the use of RIS data for patient dose by comparison DICOM header data
S8.P2	N. Ban, F. Takahashi, K. Sato, A. Endo, K. Ono, T. Hasegawa, T. Yoshitake, Y. Katsunuma, M. Kai	Development of Web-Based CT Dose Calculator, WAZA-ARI

S8.P3	L.Ş. Coretchi, I.N. Bahnarel , Iu Chiruta	Population Exposure from Diagnostic Radiology in the Republic of Moldova During the Last Ten Years
S8.P4	K. Ingilizova, J. Vassileva	Collective doses of Bulgarian population from Diagnostic Radiology: 2008 update
S8.P5	P. Mora, M. Acuña	Assessment of medical occupational radiation doses in Costa Rica
S8.P6	S. Esmaili, M.T. Bahreyni Toossi	Estimation of Entrance Surface Dosess (ESDs) for Common Medical X-ray Diagnostic Examinations in Radiological Departments in Mashhad-IRAN
S8.P7	A. Dumitrescu, L. Bogdan, C. Milu	Patient registration system of medical exposure to ionizing radiation in Romania - first year experience
S8.P8	L. Stadnyk, O. Shalyopa, O. Nosyk	Patient Doses Measurements in Radiography for Establishment of Diagnostic Reference Levels in Ukraine
S8.P9	Y. Lahfi	Smart Card patient dose tracking system: Preliminary view for implementation in SYRIA
SCIENTIFIC SESSION 9. **Justification and optimisation of mass screening procedures**		
S9.P1	A. Paknyat, R. Rostam Pour Samarin, N. Ahmadi Jeshvaghane, R. Paydar, B. Fasaei, A. Karamloo, H.R. Khosravi, M.R. Deevband	Evaluation of Patient Dose in Some Mammography Centers In Iran
S9.P2	F. Giczi, S. Pellet, I.D. McLean, A. Meghzifene	Mammography Patient Dose Measurements Using the Methodology of the International Code of Practice for Dosimetry in Diagnostic Radiology
S9.P3	B. Hemdal	Forward-scattered radiation from the compression paddle should be considered when average (or mean) glandular dose is estimated
S9.P4	M. Kalathaki, C.J. Hourdakis, S. Economides, P. Tritakis, N. Kalyvas, G. Simantirakis, G. Manousaridis, I. Kaisas and V. Kamenopoulou	Comparison of Full Field Digital (FFD) and Computed Radiography (CR) mammography systems in Greece
S9.P5	S. Avramova-Cholakova, J. Vassileva, A. Dimov	Analysis of the results from the implementation of quality control program in mammography in Bulgaria
S9.P6	E. Fabiszewska, I. Grabska, K. Jankowska, E. Wesołowska, W. Bulski	Comparison of Results of Quality Control of Physical Parameters and Results of Clinical Evaluation of Mammographic Images for the Mammography Screening Facilities in Poland
S9.P7	H. Bosmans, K. Lemmens, L. Cockmartin , K. Michielsen, J. Jacobs, J. Nens, A. Jacobs, G. Marchal	Estimation of the average patient doses in digital mammography using test objects
S9.P8	T. Orouji, S.M. Hosseini Pooya, M. Jafarizadeh, H.R. Khosravi, H. Rais Mohammad	Determination of sensitive organs doses due to X-Ray of Body Scanner (BS) systems using TLD and Rando phantom