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TC Coordinator: S. Walleczek

Location of the Conference:

International Atomic Energy Agency
Vienna International Centre (VIC)
Plenary, M-Building, First Floor
Wagramer Strasse 5
1400 Vienna, Austria
Tel: +43 1 2600 0

Working Language: English

Resolutions: No resolutions may be submitted for consideration on any subject; no votes will be taken.

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Please provide us with your feedback using the evaluation form available on the App.

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TIMETABLE

Monday, 11 December 2017

08:00–10:00	Registration
10:00–11:00	Opening Session
11:00–12:20	Briefing Session
12:20–14:00	<i>Lunch Break</i>
12:20–13:00	Poster viewing
14:00–16:30	SESSION 1: Justification in the use of radiation in medical imaging
16:30–17:00	<i>Coffee Break</i>
17:00–18:00	Roundtable A: How are we strengthening radiation safety culture in healthcare?
18:00	Welcome Drinks M building, ground floor

Tuesday, 12 December 2017

09:00–10:25	SESSION 2: Radiation protection of patients and staff in diagnostic radiography, fluoroscopy and CT
10:25–11:00	<i>Coffee Break</i>
11:00–12:00	SESSION 2 (continued)
12:00–14:00	<i>Lunch Break</i>
12:10–13:10	EC Breakout Session: Advancement of radiological protection in medicine through regulation and guidance: The European experience
14:00–16:30	SESSION 3: Radiation protection of patients and staff in radiotherapy including brachytherapy
16:30–17:00	<i>Coffee Break</i>
17:00–18:00	Roundtable B: How are we meeting radiation protection challenges in design and implementation of new technologies?

Wednesday, 13 December 2017

- 09:00–10:25 **SESSION 4:**
Radiation protection of patients, staff and the public in diagnostic and therapeutic nuclear medicine and hybrid imaging
- 10:25–11:00 *Coffee Break*
- 11:00–12:00 **SESSION 4 (continued)**
- 12:00–14:00 *Lunch Break*
- 12:10–13:10 **UNSCEAR Breakout Session:**
UNSCEAR's global surveys on radiation exposure: Implementation of action 6 of the Bonn Call for Action
- 14:00–16:30 **SESSION 5:**
Radiation protection in medical exposures of children and pregnant women
- 16:30–17:00 *Coffee Break*
- 17:00–18:00 **Roundtable C:**
How are we fostering and improving the radiation benefit/risk dialogue?

Thursday, 14 December 2017

- 09:00–10:25 **SESSION 6:**
Radiation protection of patients and staff in interventional procedures
- 10:25–11:00 *Coffee Break*
- 11:00–12:00 **SESSION 6 (continued)**
- 12:00–14:00 *Lunch Break*
- 12:10–13:10 **ISR Breakout Session:**
Regional and national quality and safety campaigns driven by professional organisations: Bonn Call for Action turned into practice
- 14:00–16:30 **SESSION 7:**
Learning from unintended and accidental exposures in medicine
- 16:30–17:00 *Coffee Break*
- 17:00–18:00 **Roundtable D:**
How are we meeting challenges in patient dose recording, tracking and data management?

Friday, 15 December 2017

- 09:00–10:30 **SESSION 8:**
Radiation protection in mammography, dental and maxillofacial imaging and other diagnostic modalities
- 10:30–11:00 *Coffee Break*
- 11:00–12:45 **Final Session:**
Mobilizing for Future Effective Work
- 12:50–13:40 **Conference Closing**

MONDAY, 11 DECEMBER 2017

08:00–10:00 Registration

10:00–11:00 OPENING SESSION

Chair: **P. Johnston, IAEA**
Opening Addresses

10:00 **J.C. Lentijo, IAEA**
Deputy Director General, Head of
Department of Nuclear Safety and
Security

10:07 **M. Neira, WHO**
Director of the Department of Public
Health, Environmental and Social
Determinants of Health

10:14 **P. Jiménez, PAHO**
Regional Advisor in Radiological
Health
Conference President's Address

10:21 **G. S. Ibbott, USA**
Keynote Address

10:28 **M. Rehani, USA**
Radiation protection in medicine:
Achievements and outlook

11:00–12:20 BRIEFING SESSION

Chair: **O. Holmberg, IAEA**

11:00 The Bonn Call for Action – A joint position
statement by the IAEA and the WHO

11:05 Short briefing on activities and priorities
influenced by the Bonn Call for Action

IAEA
WHO
PAHO
AAPM
ACR
CRCPD
EC
EFOMP
ESR
ESTRO
Image Gently
IOMP
ISR
ISRRT
UNSCEAR

12:20–14:00 *Lunch Break*

12:20–13:00 **Poster viewing**
M01 Poster area

MONDAY, 11 DECEMBER 2017

14:00–16:30	SESSION 1: <i>Justification in the use of radiation in medical imaging</i>
Chairs:	J. Malone, Ireland M. Bettmann, ACR
	Introduction of the Topic:
14:00	J. Malone, Ireland
	Topical Presentations:
14:10	S. E. Jung, Republic of Korea Successful implementation of justification in the Republic of Korea
14:35	D. Remedios, United Kingdom Practical implementation of criteria for appropriate imaging in symptomatic and asymptomatic individuals
15:00	G. McGinty, ACR Clinical decision support: Past, present and future
	Summary of Contributed Papers:
15:25	R. Mendelson, Australia
15:50	Discussion
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16:30–17:00	<i>Coffee Break</i>

17:00–18:00	ROUNDTABLE A: <i>How are we strengthening radiation safety culture in healthcare?</i>
Chairs:	S. Ebdon-Jackson, United Kingdom M. Perez, WHO
	Introduction of the Topic:
17:00	S. Ebdon-Jackson, United Kingdom
	Summary of Contributed Papers:
17:10	M. Perez, WHO
	Statements:
17:15	J. Hirsch, USA Radiation safety culture in organizations' safety culture
17:20	J. Alsuwaidi, United Arab Emirates Radiation safety culture experience from UAE and the Middle East
17:25	G. Paulo, Portugal Strengthening radiation safety culture in healthcare at ground level
17:30	Discussion
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18:00	<i>Welcome Drinks, M building, Ground Floor</i>

TUESDAY, 12 DECEMBER 2017

09:00–10:25 **SESSION 2:**
Radiation protection of patients and staff in diagnostic radiography, fluoroscopy and CT

Chairs: **C. Martin, United Kingdom**
 J. Vassileva, IAEA

Introduction of the Topic:

09:00 **C. Martin, United Kingdom**

Topical Presentations:

09:10 **D. Hussein, Egypt**
Successful establishment and use of national DRLs in Egypt

09:35 **E. Samei, USA**
Diagnostic information and dose: Creating a balance

10:00 **S. Digumarthy, USA**
From highest dose to lowest dose in CT

10:25–11:00 *Coffee Break*

11:00–12:00 **SESSION 2 (cont'd)**
Summary of Contributed Papers:

11:00 **A. Nader, Uruguay**

11:25 **Discussion**

12:00–14:00 *Lunch Break*

12:10–13:10 **EC Breakout Session:**
Advancement of radiological protection in medicine through regulation and guidance: The European experience

Chair: **G. O'Reilly, Ireland**

12:10 **M. Hübel, European Commission**
The Euratom legal basis for radiation protection of patients and the implementation status of the "European BSS Directive" 2013/59/Euratom, European Commission

12:22 **S. Ebdon-Jackson, United Kingdom**
Implementation of the "European BSS Directive" 2013/59/Euratom into the national regulatory systems: Challenges and opportunities – HERCA Working Group on Medical Applications

12:34 **Panel discussion**
Participants:
N. Denjoy, Belgium – COCIR
G. Tosi, Italy – EANM
J. Damilakis, Greece – EFOMP
G. Paulo, Portugal – EFRS
G. Frija, France – ESR
M. Coffey, Ireland – ESTRO
A. Isambert, France – HERCA

Closing remarks
M. Hübel, European Commission

Rapporteur: **G. Simeonov, European Commission**

TUESDAY, 12 DECEMBER 2017

14:00–16:30	SESSION 3: <i>Radiation protection of patients and staff in radiotherapy including brachytherapy</i>
Chairs:	T. Knöös, Sweden D. van der Merwe, IAEA
	Introduction of the Topic:
14:00	T. Knöös, Sweden
	Topical Presentations:
14:10	J. L. Rodriguez Perez, Chile Issues and good examples of safe practice in radiotherapy in different resource settings
14:35	T. S. Suh, IOMP Impact of new treatment technology on patient radiation protection in radiotherapy (including brachytherapy)
15:00	G.S. Ibbott, USA Appropriate and safe use of imaging in radiotherapy
	Summary of Contributed Papers:
15:25	E. Gershkevitch, Estonia
16:00	Discussion
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16:30–17:00	<i>Coffee Break</i>

17:00–18:00	ROUNDTABLE B: <i>How are we meeting radiation protection challenges in design and implementation of new technologies?</i>
Chairs:	J. Bushberg, USA A. Schreiner, Luxembourg
	Introduction of the Topic:
17:00	J. Bushberg, USA
	Summary of Contributed Papers:
17:10	A. Schreiner, Luxembourg
	Statements:
17:15	W. Mayo-Smith, ACR The end-users' perspective
17:20	N. Denjoy, Belgium The manufacturers' perspective
17:25	J. Griebel, Germany The regulatory authorities' perspective
17:30	Discussion

WEDNESDAY, 13 DECEMBER 2017

09:00–10:25	SESSION 4: <i>Radiation protection of patients, staff and the public in diagnostic and therapeutic nuclear medicine and hybrid imaging</i>
Chairs:	S. Mattsson, Sweden A. Krisanachinda, Thailand
	Introduction of the Topic:
09:00	S. Mattsson, Sweden Topical Presentations:
09:10	M. Hosono, Japan Impact of new technology on patient radiation protection in nuclear medicine-including hybrid systems, low dose PET
09:35	S. Leide - Svegborn, Sweden and S Mattsson, Sweden Impact of new radiopharmaceuticals on patient and staff radiation protection in diagnostic and therapeutic nuclear medicine
10:00	M. Brambilla, EFOMP Personalized dosimetry in diagnostic and therapeutic nuclear medicine

10:25–11:00 *Coffee Break*

11:00–12:00	SESSION 4 (cont'd) Summary of Contributed Papers:
11:00	D. Newman, ISRRT
11:25	Discussion

12:00–14:00 *Lunch Break*

12:10–13:10	UNSCEAR Breakout Session: <i>UNSCEAR's global surveys on radiation exposure: Implementation of action 6 of the Bonn Call for Action</i>
Chairs:	M. Waligórski, UNSCEAR G. Ibbott, USA
12:10	M. Waligórski, UNSCEAR Opening remarks
12:15	F. Shannoun, UNSCEAR A. Jahnen, UNSCEAR UNSCEAR's global surveys on radiation exposure – including practical information for national contact persons
12:35	Panel discussion with national contact persons on problems with medical data collection on a national level Participants: M. Ermacora, Argentina P. Thomas, Australia L. V. Sá, Brazil K. Petrova, Czech Republic H. Järvinen, Finland A. Keiichi, Japan E. Nekolla, UNSCEAR D. Kluszezynski, Poland J. Alsuwaidi, United Arab Emirates M. Mahesh, AAPM
13:05	G. Ibbott, USA Closing remarks
Rapporteur:	F. Shannoun, UNSCEAR

WEDNESDAY, 13 DECEMBER 2017

14:00–16:30	SESSION 5: <i>Radiation protection in medical exposures of children and pregnant women</i>
Chairs:	K. Applegate, ICRP E. Sorantin, Austria
	Introduction of the Topic:
14:00	K. Applegate, ICRP
	Topical Presentations:
14:10	E. Attalla, Egypt Radiation protection issues in paediatric radiotherapy in practice
14:35	J. Damilakis, EFOMP How safe are x-ray imaging and nuclear medicine in pregnancy?
15:00	D. Frush, Image Gently What more can we do to make children safer in x-ray imaging and nuclear medicine?
	Summary of Contributed Papers:
15:25	N. Pongnapang, Thailand
15:50	Discussion
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16:30–17:00	<i>Coffee Break</i>

17:00–18:00	ROUNDTABLE C: <i>How are we fostering and improving the radiation benefit/risk dialogue?</i>
Chairs:	M. Mahesh, AAPM R. Kanda, Japan
	Introduction of the Topic:
17:00	M. Mahesh, AAPM
	Summary of Contributed Papers:
17:10	R. Kanda, Japan
	Statements:
17:15	R. Wolf, Switzerland Improving dialogue about benefits and risks in different situations
17:20	A. Shogren, USA Tools for supporting radiation benefit/risk dialogue in medical settings
17:25	M. Murphy, Ireland Do patients care about radiation risk?
17:30	Discussion

THURSDAY, 14 DECEMBER 2017

09:00–10:25 **SESSION 6:**
*Radiation protection of patients and staff
in interventional procedures*

Chairs: **C. Cousins, ICRP**
 D. Miller, USA

Introduction of the Topic:

09:00 **C. Cousins, ICRP**

Topical Presentations:

09:10 **P. Miranda, Chile**

Radiation protection in paediatric
interventional procedures

09:35 **S. Balter, USA**

Risk management of skin injuries in
interventional procedures

10:00 **E. Vañó, Spain**

Occupational radiation risks in interventional
procedures

10:25–11:00 *Coffee Break*

11:00–12:00 **SESSION 6 (cont'd)**

Summary of Contributed Papers:

11:00 **V. Tsapaki, Greece**

11:25 **Discussion**

12:00–14:00 *Lunch Break*

12:10–13:10 **ISR Breakout Session:**
*Regional and national quality and
safety campaigns driven by
professional organisation: Bonn Call
for Action turned into practice*

Chairs: **G. Frija, ESR**
 D. Frush, Image Gently
 M. Perez, WHO

12:10 **L. Donoso, ISR**

ISR and its Quality and Safety Alliance

12:15 **D. Hussein, Egypt**

Achieving justification in a low and
middle-income country: Example of
Egypt by ArabSafe

12:23 **G. Frija, ESR**

Optimisation: A new concept for
diagnostic reference levels developed by
EuroSafe Imaging

12:31 **B. Mansouri, Algeria**

Importance of medical equipment
quality for patient safety: Situation in
North Africa by F-AFROSAFE

M. Kawooya, ISR

Situation in East Africa by E-AFROSAFE

E. H. Niang, ISR

Situation in West Africa

12:46 **D. Frush, Image Gently**

Imaging for children - good practices by
Image Gently

12:54 **R.A. Mendonça, ISR**

Challenges and opportunities for
implementing efficient radiation
protection in Latin America by
LATINSAFE

13:02 **Discussion**

THURSDAY, 14 DECEMBER 2017

14:00–16:30 **SESSION 7:**
Learning from unintended and accidental exposures in medicine

Chairs: **A. Isambert, France**
 D. Gilley, IAEA

Introduction of the Topic:

14:00 **A. Isambert, France**

Topical Presentations:

14:10 **U. Findlay, United Kingdom**

Using incident learning systems to prevent medical radiation incidents and accidents

14:35 **R. Loose, Germany**

Avoidance of incidents in radiological procedures

15:00 **G. Frija, ESR**

What can non-radiotherapy users learn from radiotherapy?

Summary of Contributed Papers:

15:25 **M. Coffey, Ireland**

15:50 **Discussion**

16:30–17:00 *Coffee Break*

THURSDAY, 14 DECEMBER 2017

17:00–18:00 **ROUNDTABLE D:**
How are we meeting challenges in patient dose recording, tracking and data management?

Chairs: **M. Rehani, USA**
 A. M. Rojo, Argentina

Introduction of the Topic:

17:00 **M. Rehani, USA**

Summary of Contributed Papers:

17:10 **A. M. Rojo, Argentina**

Statements:

17:15 **Z. Musa, Malaysia**

Radiologists' and referrers' perspective

17:20 **H. Järvinen, Finland**

Experience with tracking of patient exposures and doses and current developments

17:25 **A. Aavik, Estonia**

Should tracking of individual dose be introduced in policy making?

17:30 **Discussion**

FRIDAY, 15 DECEMBER 2017

09:00–10:30	SESSION 8: <i>Radiation protection in mammography, dental and maxillofacial imaging and other diagnostic modalities</i>	11:15	B. Le Guen, IRPA Perspective from IRPA
Chairs:	B. Mansouri, Algeria K. Horner, United Kingdom	11:20	O. Luxenburg, Israel Perspective from three Member States/1
	Introduction of the Topic:	11:25	Z. Musa, Malaysia Perspective from three Member States/2
09:00	B. Mansouri, Algeria	11:30	R. de la Mora, Cuba Perspective from three Member States/3
	Topical Presentations:	11:35	Discussion
09:10	H. Bosmans, Belgium Have we improved benefit/risk in breast imaging?	12:05	E. Vañó, Spain Findings from the CIPRaM Iberoamerican Conference on radiation protection in medicine on the implementation of the Bonn Call for Action
09:35	R. Pauwels, Belgium How has dental cone beam CT impacted dental imaging practice and patient doses?	12:25	C. Cousins, ICRP Policy directions in radiation protection in medicine
	Summary of Contributed Papers:	12:50–13:40	CONFERENCE CLOSING
10:00	O. Ciraj, Serbia	12:50	M. Rehani, USA A summary of conclusions from sessions and roundtables of the Conference
10:15	Discussion	13:15	G. Ibbott, USA Overall remarks on the Conference
10:30–11:00	<i>Coffee Break</i>	13:30	Closing Remarks
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11:00–12:45	FINAL SESSION: <i>Mobilizing for Future Effective Work</i>		
Chairs:	M. Pinak, IAEA P. Jiménez, PAHO Mobilizing regulatory support of radiation protection and safety in medicine		
	Statements:		
11:00	A. M. Larcher, Argentina Perspective from FORO		
11:05	L. R. Bruedigan, CRCPD Perspective from CRCPD		
11:10	S. Ebdon-Jackson, United Kingdom Perspective from HERCA		

ESPACE – TIMETABLE

Tuesday

- 10:25-11:00 Safety in Radiation Oncology (SAFRON): 5-year celebration
- 16:30-17:00 WHO - Imaging asymptomatic people: are we really doing more good than harm?

Wednesday

- 10:25-11:00 SEVRRRA and SEVRRRA-SAFRON
- 16:30-17:00 RPOP online channels: up-to-date information about radiation protection of patients

Thursday

- 10:25-11:00 ISEMIR: Information System in Interventional Cardiology
- 16:30-17:00 SAFRAD: Safety in Radiological Procedures

LIST OF CONTRIBUTED FULL PAPERS

All contributed full papers are available on the conference app.

Posters will be displayed outside the Conference room throughout the duration of the Conference. Poster authors are invited to be at their posters for discussion during coffee and lunch breaks.

Main Author	Designating Member State	Title of Paper
Session 1: Justification in the use of radiation in medical imaging		
Friberg, E.G.	Norway	HERCA European Action Week – Results of a Coordinated Inspection Initiative Assessing Justification in Radiology
Karoussou-Schreiner, A.	Luxembourg	National Audit on the Adequate Completion of Medical Imaging Request Forms in Luxembourg
Khan, S.	United Kingdom	Justification in Practice, Is it Working? A Medical Physicist's View
Mansouri, B.	Algeria	Medical Imaging and Radiation Protection in Algeria: Challenges and Perspectives
Olerud, H. M.	Norway	The Role of Radiographers as Gatekeepers in the Justification Process – Project Initiative and Possible Impact
Papírník, P.	Czech Republic	Audits of Justification in Radiodiagnostics – Experience from HERCA Campaign on Inspection of Justification in Radiodiagnostics in the Czech Republic
Pitcher, R. D.	South Africa	The Impact of Real-Time Electronic Justification of Digital Imaging Requests
Reed, M. H.	Canada	Clinical Imaging Referral Guidelines: Where Are We Now?

Main Author	Designating Member State	Title of Paper
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**Session 2:
Radiation Protection in Diagnostic Radiology**

Adambounou, K.	Togo	Evaluation of the Implementation of Radioprotection Measures for Workers in Radiology Services in Togo
Akpochafor, M.	Nigeria	Estimation of Patient Organ Dose from CT Examinations Using the IMPACT CT Patient Dosimetry Calculator
Baptista, M.	Portugal	Radiation Risk and Organ Dose Assessment during Cone Beam CT Procedures in Image Guided Radiation Therapy
Beganovic, A.	Bosnia and Herzegovina	Organization of Data Collection and Establishment of Diagnostic Reference Levels in Bosnia and Herzegovina
Campos, L. T.	Brazil	A Monte Carlo Method to Generate Energy Spectra and Filtration for a Multi-Detector Computed Tomography
Ciraj-Bjelac, O.	Serbia	An Overview of EURADOS Working Group 12 Activities on Patient Dosimetry in Medical Imaging

Main Author	Designating Member State	Title of Paper
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Daeng Beta, W. P.	Indonesia	Assessment of Worker Radiation Doses at CT-Scan Diagnostic Facilities: A Case Study of Radiation Dose of Workers at Hospital A, B, C, and D in Indonesia
Garba, I.	Nigeria	National Survey of Computed Tomography Radiation Doses in Nigeria
Grigonienė, V.	Lithuania	National Survey: Patient Dose in Computer Tomography in Lithuania and Application of National DRLs
Gudjonsdottir, J.	Iceland	Operator Eye Lens Doses in CT Fluoroscopy-Guided Procedures
Gyekye, P.K.	Ghana	Monte Carlo Studies into Staff Dose: Lead Drape and Patient Cover Use during Computed Tomography Fluoroscopy Procedures
Jauhari, A.	Indonesia	Design of Exposure Factors by Applying Optimum kV Techniques in Computer Radiography Systems as Efforts to Minimize Exposure Dosage
Jimenez Gonzalez, J.M.	Spain	Patient Dose Reduction in Chest and Lumbar Spine X-Ray Projections
Koff, D. A.	Canada	Canada Safe Imaging: Implementing a Radiation Safety Campaign in Canada

Main Author	Designating Member State	Title of Paper
Lawal, S.	Nigeria	Radiation Protection: An Initial Assessment of Level of Compliance amongst Radiation Workers in Ahmadu Bello University Teaching Hospital Zaria, Nigeria
Lopez Gonzales, A. H.	Brazil	Evaluation Of Conversion Coefficients Relating Air-Kerma to H*(10) Using Primary, Secondary And Transmitted X-Ray Spectra in the Diagnostic Radiology Energy Range
Mathew, D.	United Arab Emirates	Evaluation of Collimation in Chest Imaging and Associated Dose Impact
Mirsaidov, U.	Republic of Tajikistan	Radiation Protection of the Tajikistan Population during the Diagnostic Irradiation
Mogaadi, M.	Tunisia	Establishment of CT Local Diagnostic Reference Levels in some Tunisian Sites
Nasab, S. M., Niksirat Sustani, F.	Iran, Islamic Republic of	Establishment of Computed Tomography Angiography National Diagnostic Reference Level in Iran
Otoo, F.	Ghana	Assessment of Occupational Exposure in Medical Facilities in Ghana

Main Author	Designating Member State	Title of Paper
Papadomarkaki, E.	Greece	Challenges in the Radiation Dose Management of the Medical Staff: 5 Years (2012-2016) Using a New Software Tool for the Control Of Doses Above the Investigation Level
Petcu, M. - I.	Romania	Justification and Optimization in Diagnostic Radiology. Overview of Romanian Issues
Petrova, K.	Czech Republic	The Evaluation of Medical Exposures in the Czech Republic
Pornobi, A. L.	Philippines	Comparison of Effective Dose Received by Adult Patients who Underwent Chest CT Scan Using Either 64- or 256-Multislice CT (MSCT) in St. Luke's Medical Center – QC
Salas, L.	Colombia	Estimation of Absorbed Radiation Dose by TLD on Patients during Procedures of Digital Radiography at Fundación Valle del Lili
Schegerer, A. A.	Germany	Status and Perspectives of the DRL Concept. Update of the German DRL for Medical X-Ray Procedures
Siangsanan, P.	Thailand	The Eye Lens Doses (Hp(3)) Assessment Using OSL Dosimeters

Main Author	Designating Member State	Title of Paper
Sidibé, S.	Mali	Comparative Study of Patient Dose and Standard Dose at CT Scanner in Mali
Thunberg, S. J.	Sweden	Web Based Tool for Update of Diagnostic Reference Levels and a Support for Optimization
Tinnagorn, D.	Thailand	Establishment of Diagnostic Reference Levels (DRLs) for Commonly Performed CTs in Thai Cancer Hospitals
Toutaoui, N.	Algeria	Adult Patient Doses in Computed Tomography Examinations in Three Regions of Algeria: Preliminary Results to Establish National DRLs
Trindade, H.	Portugal	Intraoral Exposures in Portugal - from 1990 to 2017
Uniyal, S.	India	Measurement of Dose Area Product Received by Adult Patients Undergoing Digital Radiography Examinations in Uttarakhand, India and Establishment of Local Diagnostic Reference Levels

Other Contributions:	
Main Author	Title of Paper
Bruedigan, L. R. CRCPD, USA	Computed Tomography Challenges in the United States
Butler, P. F. AAPM, USA	ACR Diagnostic Reference Levels and Achievable Doses for Medical Imaging in the US
Elee, J. G., Bruedigan, L. R. CRCPD, USA	U.S. Tracks Diagnostic X-Ray Doses and Practices through Surveys of Facilities Nationwide
Frija, G. ESR	MEDIRAD - Implications of Medical Low Dose Radiation Exposure
Frija, G. ESR	ESR EuroSafe Imaging - Together for Patient Safety
Issa, A. Palestine	Evaluation of Patient Dose & Associated Risk from Chest Radiography in the West Bank–Palestine

Main Author	Designating Member State/ Organization	Title of Paper
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**Session 3:
Radiation Protection in Radiotherapy**

Abaza, A.	Egypt	Radiotherapy Induced Cataract among Childhood Cancer Survivors; Incidence and Protection
Bokulic, T.	IAEA	IAEA/WHO Postal Dose Quality Audits for Radiotherapy: Reasons for Errors in Clinical Dosimetry
Busoni, S.	Italy	Post-Operative Radiation Protection of People in Ru-106 Brachytherapy Ophthalmic Plaque Surgery

Main Author	Designating Member State/ Organization	Title of Paper
Can, S.	Turkey	Shielding Design Assessment to Provide Radiation Protection against Neutron Dose for 18 MV Linear Accelerator in Radiation Therapy Unit.
Cuevas Arizaca, E. E.	Brazil	Radiation Detectors of Green Quartz for Dosimetry
Duhaini, I.	Lebanon	Out-of-Field Radiation Organ Dose Measurements and Associated Secondary Cancer Risk Estimation in Patients Treated with Breast Cancer in Lebanon
Farah, A. B.	Sudan	Evaluation of Prostate Cancer Treatment Planning Using 3 Dimension Conformal Radiotherapy (3DCRT) and Volumetric Modulated Arc Therapy (VMAT)
Gonzales, C. D.	Brazil	Production of Synthetic Crystal of Casio3 and Its Application in Low-Dose Dosimetry Radiation
Haghighi, R. R.	Iran	Simple and Inexpensive Electron Density Phantom to Calibrate Treatment Planning Systems
Jain, G. K.	India	Assessment of Acute Reactions as Radiation Protection Tool for Patients Treated with Radiotherapy

Main Author	Designating Member State/ Organization	Title of Paper
Kim, H. I.	Korea, Republic of	Report on the Status of Quality Assurance of Radiotherapy and Related Regulatory Activities in Korea
Knežević, Z.	Croatia	Secondary Radiation Dose Measurements in Scanning Proton Radiotherapy: Overview of the Activity within EURADOS WG9 (SG2)
Kunwar, A.	India	Development of a Radioprotector for Radiation-Induced Pneumonitis in Mice Model
Lachos, A.	Peru	Dosimetric Comparison of Scattered Radiation Between 3DRT and VMAT in Cranispinal Irradiation
Majer, M.	Croatia	Out-of-Field Dose Measurements for Radiotherapy Treatments of Paediatric Brain Tumour Using Different Techniques (3D CRT, IMRT and Gamma Knife)
Mayer González, A.	México	Retrospective Analysis of Dose, for Organs at Risk in 3D Image-Based Treatment Planning in Cervix Cancer for HDR Brachytherapy, in Hospital Regional de Alta Especialidad de Ixtapaluca (HRAEI) patients

Main Author	Designating Member State/ Organization	Title of Paper
Murat, H.	Malaysia	The Application of Dose Calculation Algorithms Model: Convolution, Superposition, And Fast Superposition in 3-Dimensional Conformal Radiotherapy
Oyekunle, E. O.	Nigeria	Comparative Assessment of Dose and Time Parameters in 2D Brachytherapy Involving Two Radioactive Sources
Padilha, C. M. L.	Brazil	Study of Cytopathological Actinic Effects in Patients Submitted to Radiotherapy of Cancer of the Uterine Cervix at the National Institute of Cancer / INCA, Rio de Janeiro, Brazil
Piatkevich, M.	Belarus	Radiation Monitoring System Design for the Stereotactic Linear Electron Accelerator Truebeam STX in the N.N. Alexandrov National Cancer Center of Belarus
Salata, C.	Brazil	Doses Assessments in Mazeless Radiotherapy Rooms
Sergieva, K.	Bulgaria	Trends in Radiation Protection of Patients in Modern Radiotherapy
Stadnyk, L. L.	Ukraine	Current State of Dosimetry Providing of Radiotherapy in Ukraine and IAEA Contribution to Its Improvement: The Results of National Survey and IAEA TLD-Audit of Dose Calibration Quality

Main Author	Designating Member State/ Organization	Title of Paper
Wibowo, W. E.	Indonesia	Study: A Year Evaluation Of Radiation Leakage At Linac Room Using Radiochromic Film
Session 4: Radiation Protection in Nuclear Medicine		
Al-Hajj, A. N.	Saudi Arabia	An Analysis on Staff Eye Lens Doses of Selected Occupational Categories at a Large Medical Center in Saudi Arabia
Ali, J.	Pakistan	Practical Internal Dosimetry in Radioactive Iodine-131 Therapy in a Newly Established Hospital: Challenges and Obstacles
Al-Maskari, I. N.	Sultanate of Oman	Moving from Weight Adjusted 18F-FDG Dose to Body Mass Index (BMI) Adjusted Dose in Relation to Radiation Protection
Amador Balbona, Z. H.	Cuba	Risk Analysis in Therapeutic Nuclear Medicine
Avramova-Cholakova, S.	Bulgaria	Second National Survey Of Patient Doses From PET/CT Examinations In Bulgaria
Ayan, A.	Turkey	Residual Dose Rates After Radioactive Iodine -131 Treatment In The Day Of Hospital Discharge
Beganović, A.	Bosnia and Herzegovina	Iodine-131 Therapy: 3-Year Experience in Radiation Protection

Main Author	Designating Member State/ Organization	Title of Paper	Main Author	Designating Member State/ Organization	Title of Paper
Benavides, C. K. P.	Mexico	Estimation of Existing Structural Shielding to Provide Radiation Protection for Iodine-131 Therapeutic Room	Lahfi, Y.	Syria	Assessment of Radiation Dose Nearby Patient Administrated with 123I for Thyroid Scintigraphy
Bendib, A.	Algeria	Output Dose Rate Impact on Radioiodine Treated Patient-Accompanist in East Algeria	Limam, K.	Tunisia	Iodine 131 Staff Contamination in Nuclear Medicine Department
Bendib, A.	Algeria	Radioiodine Hospitalization Duration at the Nuclear Medicine Department Constantine Algeria	Mahmoud, A. S.	Sudan	Radioactive Iodine -131 Therapy for Hyperthyroidism
Bondar, B. M.	Ukraine	Precautions and Dose Estimations for Staff Involved in PET-CT Technology with 18F-FDG	Niksirat Sustani, F.	Iran, Islamic Republic of	Local-Reference Patient Dose Estimation in Routine Nuclear Medicine Procedures in Mazandaran, Iran
Charoen-phun, P.	Thailand	Safety for m131IBG Treatment with Peristaltic Infusion Pump Procedure.	Paula, V. M., Sá, L. V.	Brazil	Modeling Quantum Platform for Internal Audits in MN to Comply Brazilian Regulations
Du Toit, M.	South-Africa	Careful Planning Can Reduce PET-CT Room Shielding	Piwowarska-Bilska, H.	Poland	Three Month Eyes Radiation Exposure Monitoring of Nuclear Medicine Department Personnel
Gunalp, B.	Turkey	Important Role of CZT Ultrafast Cardiac Camera on Reducing Radiation Exposure in Myocardial Perfusion Imaging.	Rafaye, M. A.	Pakistan	Estimation of Radiation Doses Received by Nuclear Medicine Staff from 18F-FDG Dispensing
Hamza, Y.	Sudan	Measurement of Occupational Exposure During Bone Scintigraphy	Sakafu, L.	Tanzania	Quality Management Audit in Nuclear Medicine Practices at Ocean Road Cancer Institute, Tanzania
Hidayati, N. R.	Indonesia	Internal Dosimetry Assessment in Indonesia: Replying the Bonn Call for Action for Organ Dose Assessment	Santana, P. C.	Brazil	Whole-Body 18F-FDG PET-CT with CT Low Dose Scanning: Radiation Levels for Oncologic Diagnosis
Kracmerova, T.	Czech Republic	Comparison of Staff's Radiation Exposure – Liquid vs. Capsule 131I			

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Savas Den Hartigh, O.	Turkey	3 Years of Clinical Follow Up of Stress First Myocardial Perfusion Scintigraphy (MPS) using IQ-SPECT System; Reducing Radiation Exposure
Siriprapa, T.	Thailand	In House Fully Automated Production of F-18 Florbetapir PET Tracers on the CFN-MPS200 Radiosynthesizer with Cupid Software Modification
Skovorodko, K., Griciene, B.	Lithuania	Assessment of Exposure and Setting of Local Diagnostic Reference Levels for Nuclear Medicine Procedures at Vilnius University Hospital Santaros Klinikos
Suttho, D.	Thailand	Estimate Annual Radiation Dose to Staff per Nuclear Medicine Examination
Tandon, P.	India	Radiation Dose from Nuclear Medicine Patients to a Nuclear Medicine Technologist: Relation to ICRP Recommendation for Pregnant Workers
Teran Gretter, M. A.	Uruguay	Image Quantification for Dosimetry Evaluation in Therapy: Uruguay Intercomparison Results
Titovich, E.	Belarus	Radiation Protection during FDG Quality Control Procedures in the N. N. Alexandrov National Cancer Centre of Belarus

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Toutaoui, A.	Algeria	Radiation Safety Design and Organisation of the First Cyclotron-PET facility in Algeria
Velasquez, M.	Peru	Prototype Manufacture of a Radioactive Biphasic Mixture for Extrinsic Correction Evaluation Maps in SPECT Gamma Cameras
Yeong, C. H.	Malaysia	Lead-Free Protective Drape for Radiation Exposure Reduction in Post-Yttrium-90 Radioembolization Patients: A Pilot Study
Zvonova, I. A.	Russian Federation	Trends on Medical Exposure and Radiation Protection in Diagnostic Nuclear Medicine in Russia
Session 5: Radiation Protection of Children		
Abaza, A.	Egypt	Review Article on: Radiation Protection of Computed Tomography (CT) in Pediatrics
Al-Haj, A. N.	Saudi Arabia	Deriving Age-Specific Diagnostic Reference Level (DRL) for Pediatric CT Procedures in Saudi Arabia: An Approach to Dose Optimization
Alkhorayef, M.	Saudi Arabia	Evaluation of Pediatric Radiation Dose in Computed Tomography in Saudi Arabia

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Bandong, I. S.	Philippines	Absorbed Dose Received by Pediatric Patients who Underwent Fluoroscopy Guided Upper Gastrointestinal Series at St. Luke's Medical Center - Quezon City
Bernardo, M.	Brazil	Campaign and Educational Strategies that Reduce Children's Excessive Exposure to Radiological Exams
Bouaoun, A.	Tunisia	Radiation Exposure during Paediatric Head CT in Tunisia: CT Dose, Organ and Effective Doses
Costa, P. R.	Brazil	Evaluation and Optimization of Organ Doses in Paediatric CT Examinations
Inkoom, S.	Ghana	Thoracic MDCT Scans in Children: Should Automatic Exposure Control be Abandoned?
Janbaba-nezhad, A.	Iran, Islamic Republic of	Reference Dose for Pediatric Computed Tomography in Northern Iran
Kalnitskiy, S.	Russian Federation	Justification and Optimization in Pediatric Radiography
Laulate, H.	Brazil	Secondary Lung Cancer Risk in Pediatric Patients Treated for Hodgkin's Lymphoma with 3D Conformational Radiotherapy

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Leide-Svegborn, S.	Sweden	Technetium-99m in Breast Milk after a Nuclear Medicine Examination of a Breastfeeding Patient – Dosimetry and Recommendations
Machado, S. O.	Brazil	Comparison of Dose-Area Product in Infants during Barium Meal Procedures
Mansouri, F.	Algeria	Paediatric Radiation Protection through DMSA 99mTc Administrated Activity Study at Nuclear Medicine Department Constantine, Algeria
Milatovic, A.	Montenegro	Patient Doses in Head CT Examinations in Montenegro: Initial Results
Reed, M.	Canada	Reducing the Radiation Dose from Diagnostic Imaging in Children: What Can One Department Do?
Rodrigues, S.	Brazil	Dissemination of the Radiation Protection Program for Children to a Brazilian System of Healthcare Cooperatives
Shatskii, I.	Russian Federation	Comparison of Assessments of Radiation Risks for Radiographic X - Ray Examination of Children
Simo, A.	Cameroon	Accidental Exposure of Foetus during Imaging of Pregnant Patient at the Gynaeco Obstetric and Paediatric Hospital of Douala, Cameroon

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Subrahmanian Potty, B.	United Arab Emirates	Patient Dose Monitoring and DRLs for Pediatric Fluoroscopic Procedures at Latifa Women & Children Hospital/Dubai Health Authority/United Arab Emirates
Toutaoui, A.	Algeria	Estimation of Radiation Dose from 18F-FDG PET-CT Used in Staging and Follow-Up of Lymphoma in Pediatric and Young Adult Patients
Worrall, M.	United Kingdom	Estimating Patient Thickness from a Single Radiograph - Proof of Principle

Session 6:

Radiation Protection in Interventional Procedures

Abdelrazig, A.	Sudan	Evaluation of Patient Radiation Dose during Percutaneous Coronary Intervention in Sudan
Boon, S. N.	Netherlands	Optimizing Fluoro-Guided Interventions by Patient and Staff Exposure Tracking in Context
Boujemaa, S.	Morocco	Preliminary Survey of Patient Exposure during Interventional Cardiology Procedures in Morocco
Chougule, A.	India	Retrospective Analysis of Radiation Protection in Interventional Cardiology for Proposing Eye Lens Dosimetry

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Ciraj Bjelac, O.	Serbia	Eye Lens Monitoring in Interventional Cardiology and Radiology Procedures: Our Experience
Fernandez-Soto, J. M.	Spain	Impact of advanced technology and postprocessing Reducing patient doses in interventional cardiology
Fernandez-Soto, J. M.	Spain	Using an automatic patient dose monitoring system to optimize interventional procedures
Gangl, A.	Austria	Quantification of Scattered Radiation Exposure to Medical Staff in the Cath Lab within Pelvic Vascular Interventions
Ginjaume, M.	Spain	Occupational Dosimetry in Medical Imaging: Overview of the Activities within EURADOS WG12
O'Connor, U.	Ireland	Occupational Eye Doses in an Irish Hospital Setting. A Six-Year Study in Advance of the Reduced Eye Dose Limit
Pamidighantam, S.	India	Improving the Radiation Safety during Interventional Radiological Procedures – Is Treatment Planning a Possible Solution?
Principi, S.	Spain	Eye Lens Equivalent Dose Hp(3) in IC/IR: Relation with Hp(0.07) and KAP.

Main Author	Designating Member State/ Organization	Title of Paper
Rizk, C.	Lebanon	A Pilot-Study of Patient Doses in Interventional Cardiology Suits in Lebanon
Sanchez, R. M.	Spain	Benefits of managing patient and staff doses together in interventional radiology
Schlichte, R. T.	Germany	Measuring Instrument for Energy and Angle Distribution of Typical Medical Radiation Fields
Ubeda, C.	Chile	Results and Future Perspectives of Radiological Protection in Pediatric Interventional Cardiology for Chile
Vañó, E.	Spain	Using real time skin dose maps to optimize interventional procedures
Zagorska, A. R.	Bulgaria	Eye Lens Dosimetry, A Tool For Radiation Practice Improvement in a Urology Department

**Session 7:
Learning from Accidents**

Belay, E. Y.	South Africa	Risk Analysis Based On Occurrence And Severity Of Incidents From An Institutional Incident Learning System
Dowling, A.	Ireland	Learning Outcomes From Radiation Incidents In Hospital And Dental Settings (4 Case Studies)

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Dumenigo, C.	Cuba	Latin America In The Prevention Of Accidents In Radiotherapy. Use Of The Risk Matrices Methodology
Isambert, A.	France	Experience Feedback From Event, Reporting And Learning In Radiotherapy - How To Share Experience? The French Experience
Liukkonen, J.	Finland	Temporal Distribution Of Abnormal Events
Murray, M.	United Kingdom	Learning From Ionising Radiation Dose Errors, Adverse Events & Near Misses In Uk Clinical Imaging Departments
Portaluri M.	Italy	Voluntary Reporting Of Errors In Radiotherapy Errors Collection In Radiotherapy
Ramirez, M. L.	Spain	The Marr Project, Involvement Of The Regulatory Body With The Stakeholders: An Approach To Raise "Awareness" And Improve Of Patient Safety In Radiotherapy
Rodriguez, L. V.	Philippines	Rewards And Challenges In Promoting Radiation Treatment Error Reporting Culture-A Single Institution Experience

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Session 8:

Radiation Protection in Mammography

Mourão, A. P.	Brazil	Development Of A Compressed Dense Breast Phantom For Tests In Mammography
Phelan, N.	Ireland	Shielding Design Requirements For A Digital Breast Tomosynthesis (DBT) System On A Mobile Screening Unit
Sabek, E.	Egypt	Pathological Behaviour Of Bilateral, Multifocal And Multicentric Synchronous Egyptian Breast Cancer As Detected By Preoperative Ultrasound And Its Relation To Breast Density
Sosu, E.	Ghana	Towards Establishing Diagnostic Reference Levels In Mammography Practice: Preliminary Results Based On Phantom Studies In Ghana
Sosu, E.	Ghana	Mammography Dose Audit In Ghana: Results Of A Phantom Studies

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Roundtable A.

How are we strengthening radiation safety culture in healthcare?

Al Remeithi, A.	United Arab Emirates	Implementation And Compliance Level Of Fanr Radiation Safety Regulations In Medicine For The International Conference On Radiation Protection In Medicine
Alsuwaidi, J. S.	United Arab Emirates	Radiation Awareness At UAE During The National Declaration: The Year Of Giving Strengthening Radiation Safety Culture In Healthcare At Ground Level
Berčík, Č.	Czech Republic	Identified Issues Of Implementing New Legislation Into Practice In Czech Republic
De Four, S. O.	Trinidad And Tobago	Development Of A Radiation Protection Culture In Trinidad And Tobago
Dhingra, V. K.	India	Perception And Awareness Regarding Radiation Amongst Medical Trainees In A Tertiary Care Centre Setting In The Hilly State Of Uttarakhand In India
Duhaini, I.	Lebanon	Radiation Safety Training In Medicine In The Middle East

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Lavin, D.	Ireland	Radiation Safety Concerns Arising From Electrical Safety Issues Observed With X-Ray Equipment During Routine Medical Physics Inspections
Mikhail, M. N.	Switzerland	Current Epidemiologic Trends Further Heighten The Need For Greater Implementation Of Radiation Protection
Moran, B.	Ireland	Using A Patient Radiation Protection Manual As A Framework For External Healthcare Audit In Facilities Using Medical Ionising Radiation A Practical Example Of Achieving Change
Nadareishvili, D.	Georgia	Ways Of Implementation Of Scientific And Educational Issues Of Patient's And Personnel's Radiation Protection In Georgia In The Light Of Bonn Call For Action
Padilha Filho, L. G.	Brazil	Pilot Project For Implementation Of The National Commission For Radioprotection And Dosimetry Of The Center

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Rae, W., Mongane, M. S.	South Africa	How Research Can Impact Radiation Safety Culture In South African Catheterisation Laboratories
Riyono, B.	Indonesia	Strengthening Radiation Safety Culture In Healthcare Facility Using Web Based Inspection (Balis Infara)
De Sousa, M. C.	Portugal	Radiation Protection And Safety At Portuguese Institute Of Oncology Of Coimbra – 15 Years Of Experience
Thomas, P. D.	Australia	Australian Initiatives In Radiation Protection Of The Patient And Medical Occupational Radiation Safety Training The Australian Radiation Protection And Nuclear Safety Agency's Radiation Protection Of The Patient (Rpop) And Radiation Protection Of Medical Personnel (Rpomp) Projects

Main Author	Designating Member State/ Organization	Title of Paper
Titovich, E.	Belarus	Continuous Professional Education For The Radiation Protection In Medicine Professionals In The N. N. Alexandrov National Cancer Centre Of Belarus
Wilkins, H. B.	United Kingdom	Navigating Differing Cultural And Ethical Frameworks During Organizational Change A Challenge For Radiation Protection Experts

Roundtable B.

How are we meeting radiation protection challenges in design and implementation of new technologies?

Hisham Kamal El Din Ali	Egypt	Radiation Exposure In Cryoballoon Ablation Compared To Catheter Ablation With 3d-Electroanatomic Mapping In Af Patients
Gallagher, A.	Ireland	Shielding Challenges For A Dual-Room Sliding
Gomaa, R. I.	Egypt	The Art Of Remote Sensing For Nuclear Medicine
Hernández Álvarez, R.	Cuba	Cuban Experiences In The Implementation Of New Medical Technologies: Actions and Challenges

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Dos Reis, J. P.	Brazil	Total Workload For Radioactive Facilities With Volumetric Modulated Arc Treatment.
Samba, R. N.	Cameroon	Challenges In Regulating Radiotherapy Facilities And Activities To Respect Radiation Protection Requirements

Roundtable C.

How are we fostering and improving the radiation benefit/risk dialogue?

Cano, R.	Peru	Fostering Physician Patient Dialogue To Understand Perceptions And Myths Concerning Radiation Protection In Radioiodine Treatment (Rit) For Thyroid Cancer
Shelly, E.	Israel	Harnessing Biodosimetry For Personalized Medicine Identify Radiation-Sensitive Population Using Biological Dosimetry Methods
Walsh, C.	Ireland	An Argument Against The Use Of The Term "Dose Reduction"

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Roundtable D.

How are we meeting challenges in patient dose recording, tracking and data management?

Borrás, C.	USA	Radiation Dose Tracking From X-Ray Procedures: Where Are We And Where Should We Be?
De Las Heras Gala, H.	Germany	A Website To Calculate Incident Air Kerma In CT And CBCT: A Change In Practice For Quality Control And Patient Dosimetry
Heary, T.	Ireland	3 Years Experience Of Using Patient Dose Tracking Software In Two Busy Interventional Cardiology Laboratories
Lee, C. H.	Korea, Republic of	Efficiency Of Dose Monitoring Software: Ct Protocol Management And Raised Awareness Between Radiology Technicians For Reduced Radiation Exposure
Suryanti, R.	Indonesia	Challenges In The Implementation Of Information Technology On The Dose Patient Data Recording Online In Indonesia
Thomas, P. D.	Australia	Australia's National Diagnostic Reference Level Service

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Tosi, G.	Italy	Measuring, Monitoring, And Reporting Effective Dose On An Hybrid Equipment: One Year Results And Challenges To Integrate With MDCT
Sá, L. V.	Brazil	Medical Exposures In Brazil: Experience And Baselines
Vodovatov, A. V.	Russian Federation	Estimation Of Conversion Coefficients From Dose-Area Product To Effective Dose For Barium Meal Examinations For Adult Patients

AGENCY PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE

		STI/PUB/1531	IAEA Safety Standards Series No. GSR Part 3 (Interim): Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards - Interim Edition. General Safety Requirements Part 3
STI/PUB/1683	IAEA Human Health Series No 33 Quality Management Audits in Nuclear Medicine Practices		
STI/PUB/1663	Radiation Protection in Medicine: Setting the Scene for the Next Decade, Proceedings of an International Conference, Bonn, 3–7 December 2012	STI/PUB/1462	IAEA Human Health Series No. 14: Planning National Radiotherapy Services: A Practical Tool
STI/PUB/1610	IAEA Human Health Series No 25 Roles and responsibilities, and Education and Training Requirements for Clinically Qualified Medical Physicists for Paediatric Patients	STI/PUB/1457	IAEA Human Health Series No. 11: Planning a Clinical PET Centre
STI/PUB/1609	IAEA Human Health Series No 24 Dosimetry in Diagnostic Radiology for Paediatric Patients	STI/PUB/1417	Safety Reports Series No. 63: Release of Patients After Radionuclide Therapy
STI/PUB/1557	IAEA Human Health Series No 19: Quality Assurance Programme for Computed Tomography: Diagnostic and Therapy Applications	STI/PUB/1394	IAEA Human Health Series No. 6: Quality Assurance for SPECT Systems
STI/PUB/1566	IAEA Human Health Series No. 23: Nuclear Cardiology: Guidance and Recommendations for Implementation in Developing Countries	STI/PUB/1393	IAEA Human Health Series No. 1: Quality Assurance for PET and PET/CT Systems
STI/PUB/1543	Safety Reports Series No 71: Radiation Protection in Paediatric Radiology	STI/PUB/1381	IAEA Human Health Series No. 2: Quality Assurance Programme for Screen-film Mammography
STI/PUB/1532	Proceedings Series – International Atomic Energy Agency: Justification of Medical Exposures in Diagnostic Imaging, Proceedings of an International Workshop held in Brussels, Belgium, 2–4 September 2009.	STI/PUB/1367	Safety Reports Series No. 61: Radiation Protection in Newer Medical Imaging Techniques: CT Colonography
		STI/PUB/1366	Safety Reports Series No. 60: Radiation Protection in Newer Medical Imaging Techniques: Cardiac CT
		STI/PUB/1346	Safety Reports Series No. 59: Establishing Guidance Levels in X Ray Guided Medical Interventional Procedures: A Pilot Study

STI/PUB/1343	Safety Reports Series No. 58: Radiation Protection in Newer Medical Imaging Techniques: PET/CT	STI/PUB/1113	Proceedings Series - International Atomic Energy Agency: Radiological Protection of Patients in Diagnostic and Interventional Radiology, Nuclear Medicine and Radiotherapy Proceedings of an International Conference held in Málaga, Spain, 26-30 March 2001. A CD-ROM of contributed papers is included.
STI/PUB/1296	Non-serial Publications: Setting up a Radiotherapy Programme: Clinical, Medical Physics, Radiation Protection and Safety Aspects	STI/PUB/1108	IAEA Safety Standards Series No. RS-G-1.4: Building Competence in Radiation Protection and the Safe Use of Radiation Sources – Safety Guide
STI/PUB/1223	Safety Reports Series No. 47: Radiation Protection in the Design of Radiotherapy Facilities	STI/PUB/1107	Safety Reports Series No. 20: Training in Radiation Protection and the Safe Use of Radiation Sources
STI/PUB/1207	Safety Reports Series No. 40: Applying Radiation Safety Standards in Nuclear Medicine	STI/PUB/1084	Safety Reports Series No. 17: Lessons Learned from Accidental Exposures in Radiotherapy
STI/PUB/1206	Safety Reports Series No. 39: Applying Radiation Safety Standards in Diagnostic Radiology and Interventional Procedures Using X Rays	STI/PUB/1040	Safety Reports Series No. 2: Diagnosis and Treatment of Radiation Injuries
STI/PUB/1205	Safety Reports Series No. 38: Applying Radiation Safety Standards in Radiotherapy	STI/PUB/1027	Non-serial Publications ::Accidental Overexposure of Radiotherapy Patients in San José, Costa Rica
STI/PUB/1180	Non-serial Publications: Accidental Overexposure of Radiotherapy Patients in Bialystok	IAEA-TECDOC-1731	IAEA TECDOC No. 1731: Implications for Occupational Radiation Protection of the New Dose Limit for the Lens of the Eye
STI/PUB/1117	IAEA Safety Standards Series No. RS-G-1.5: Radiological Protection for Medical Exposure to Ionizing Radiation - Safety Guide	IAEA-TECDOC-1667	IAEA TECDOC No. 1667: Avoidance of Unnecessary Dose to Patients While Transitioning from Analogue to Digital Radiology
STI/PUB/1114	Non-serial Publications: Investigation of an Accidental Exposure of Radiotherapy Patients in Panama		

IAEA- TECDOC- 1641	IAEA TECDOC No. 1641: Patient Dose Optimization in Fluoroscopically Guided Interventional Procedures
IAEA- TECDOC- 1621	IAEA TECDOC No. 1621: Dose Reduction in CT while Maintaining Diagnostic Confidence: A Feasibility/Demonstration Study
IAEA- TECDOC- 1488	IAEA TECDOC No. 1488: Radiological Protection Issues in Endovascular Use of Radiation Sources

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2018

Third International Conference on Human Resource Development for Nuclear Power Programmes: Meeting Challenges to Ensure the Future Nuclear Workforce Capability (CN-260), 28–31 May, Gyeongju, Republic of Korea

International Symposium on Uranium Raw Material for the Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM-2018) (CN-261), 25–29 June; Vienna Austria

FAO/IAEA International Symposium on Plant Mutation Breeding and Biotechnology (CN-263), 27–31 August; Vienna, Austria

International Symposium on Communicating Nuclear and Radiological Emergencies to the Public (CN-265), 1–5 October; Vienna, Austria

International Conference on the Challenges Faced by Technical and Scientific Support Organizations (TSOs) in Enhancing Nuclear Safety and Security (CN-266), 15–18 October; Brussels, Belgium

27th IAEA Fusion Energy Conference (FEC 2018) (CN-258), 22–27 October; Ahmedabad, India

Symposium on International Safeguards (CN-267), 5–9 November; Vienna, Austria

Ministerial Conference on Nuclear Science and Technology: Addressing Current and Emerging Development Challenges (CN-262), 28–30 November; Vienna, Austria

International Conference on Global Radioactive Material Security Governance: Prevention and Detection in Action (CN-269), 3–7 December, Vienna, Austria

International Symposium on Understanding the Double Burden of Malnutrition for Effective Interventions, 10–13 December, Vienna, Austria

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