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V4 2.21.18

## THURSDAY 12 APRIL, 2018

- 07:00 – 8:00**      **REGISTRATION**
- PRE-CONGRESS WORKSHOP (ASRT)**
- 08:00 – 9:30**      **Bonn Call to Action 2017 – ISRRT Global Assessment of Progress**
- 09:30 – 9:45**      **Break**
- 09:45 – 10:45**      **Radiation Protection in Medical Imaging: A Holistic Overview**  
**Speaker:** Michael Latimer M.S.R.S., R.T., FASRT
- 10:45 – 11:45**      **Radiation Protection for Pediatric Imaging**  
**Speaker:** Michael Odgren B.S., R.T., RPA
- 11:45 – 13:00**      **ASRT Sponsored Lunch**
- 13:00 – 14:00**      **Radiation Safety in Radiation Therapy**  
**Speaker:** Sandra Hayden M.A., R.T., FASRT
- 15:00 – 16:00**      **OPENING CEREMONY**
- HUTCHINSON LECTURE**  
**Why Well Skilled Radiological Technologists And Radiographers Are Needed More Than Ever To Face Public Health Challenges**  
**Speaker:** Dr. Pablo Jimenez, *Pan American Health Organization (PAHO)*
- 17:00 – 20:00**      **EXHIBITION OPENING & WELCOME RECEPTION**

## FRIDAY 13 APRIL, 2018

- 08:15 – 9:00**      **REGISTRATION**
- 08:30 – 9:30**      **PLENARY SESSION**  
**What Makes an Effective Leader**  
Dr. Melissa Jackowski R.T. (R) (M), ASRT President Elect
- 9:30 - 10:00**      **TBA**
- 10:00 - 10:30**      **Break**
- 10:30 - 12:30**      **EDUCATION SEMINAR**      **RM.1**  
Chair(s):
- 10:30**      **The Development Of Critical Thinking In Diagnostic Radiography**      **ED1-1**  
Aarhi Ramlal  
University of Hertfordshire, UK
- 10:50**      **The Use Of Digital Storytelling To Teach Evidence Based Breast Imaging To Radiography Students: Translating Reality Into Best Practice: A Case Study**      **ED1-2**  
Cynthia Cowling  
Monash University, Australia

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## **EDUCATION SEMINAR** (Cont'd)

**RM.1**

Chair(s):

11:10	<b>Implementing The Flipped Classroom In Radiation Safety</b> <u>Dr. Timmeri Cohen</u> Virginia Commonwealth University, Richmond, Virginia	ED1-3
11:30	<b>Promotion Of Improved Standards Of Radiography Education Through Transition Management</b> <u>Karen Finlay</u> Central Queensland University, Australia	ED1-4
11:50	<b>Impact Of Augmented Reality Technology In Learning And Problem Solving In Medical Radiography Education</b> <u>Meena Amlani, Sarah Ho</u> British Columbia Institute of Technology, Canada	ED1-5
12:10	<b>Perceived Benefits of Near Peer Teaching and Learning with 2<sup>nd</sup> Year Radiography Students at Monash University</b> <u>Lori Boyd</u> Monash University, Australia	ED1-6
<b>12:30 – 13:30</b>	<b>LUNCH</b>	
<b>13:30 – 15:00</b>	<b>QUALITY MANAGEMENT</b>	<b>RM.1</b>
	Chair(s):	
13:30	<b>Establishing A Radiology Outpatient Clinic For Renal Tumor Biopsy Patients</b> <u>Bo Mussmann</u> Odense University Hospital, Denmark	QM1-1
13:50	<b>Using “Timeouts” To Promote Quality And Efficiency During Vascular Interventional Radiography Procedures</b> <u>Craig St. George</u> American Society of Radiologic Technologists, USA	QM1-2
14:10	<b>Transforming Radiology: Applying The LEADS Framework As A Change Management Tool To Achieve Results.</b> <u>Nicole Dhanraj</u> Guam Memorial Hospital, United States	QM1-2
14:30	<b>Radiologic Technologist Role in Trouble Shooting of Radiology Equipment</b> <u>Subhash Chand Bansal</u> PGIMER, Sector 12, Chandigarh, India	QM1-3
<b>15:00 – 15:30</b>	<b>BREAK</b>	

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15:30 – 17:00

## HEALTH & SAFETY

RM.1

Chair(s):

15:30

### Using ETS To Prepare For Disaster

HS1-1

David De Vries

Erasmus MC University Medical Center Rotterdam, Netherlands

15:50

### Patient As Observer: Practical Steps To Launching A Hand Hygiene Quality Assurance Program In The Medical Imaging Outpatient Setting

HS1-2

Jean Nash

University Health Network, Canada

16:10

### Disaster Management In Radiology

HS1-3

Lalit Kumar Gupta

Institute of Medical Education & Research, India

16:30

### Work Conditions Satisfaction of Radiology Employees "State Hospital Example"

HS1-4

Nuran Akyurt

Marmara University, Turkey

10:30 -12:30

## COMPUTED TOMOGRAPHY

RM.2

Chair(s):

10:30

### Effects Of Radiations Caused By CT Scan And Preventive Measures

CT1-1

Abdul Alim

Arba Minch University, Ethiopia

10:50

### Effective Dose And Cancer Risk Estimates From Diagnostic Computed Tomography Procedures In Jamaica

CT1-2

Barrington Brevitt

Apex Radiology, Jamaica

11:10

### Radiation And Contrast Agent Doses Reductions By Using Low Tube Voltage In Multi-Slice Spiral Computed Tomographic Portography On Non-Obese Patients

CT1-3

Hui Wang

Tianjin Third Central Hospital, China

11:30

### National Survey Of Computed Tomography Radiation Doses In Nigeria

CT1-4

Idris Garba

Nigeria

11:50

### Radiation Dose Reduction In MDCT

CT1-5

Lalit Kumar Gupta

Institute of Medical Education & Research, India

12:10

### Computed Tomography Scanner Availability And Dose Variability In Nigeria

CT1-6

Thomas Adejoh

Nnamdi Azikiwe University Teaching Hospital, Nigeria

12:30 – 13:30

LUNCH

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**13:30 -15:00**

## COMPUTED TOMOGRAPHY

Chair(s):

- |       |  |       |
|-------|--|-------|
| 13:30 | <b>Multi-Slice Spiral CT Portography In Diagnosing Portal Hypertension And Esophageal Varication</b><br><u>Hui Wang</u><br>Tianjin Third Central Hospital, China   | CT2-1 |
| 13:50 | <b>Comparative Study: MR Perfusion Weighted Imaging And CT Perfusion Imaging In Assessment Of Hemodynamics Of Patients With Moyamoya Disease</b><br><u>Jinge Zhang</u><br>West China Hospital of Sichuan University, China | CT2-2 |
| 14:10 | <b>Applications Of Cone-Beam Computed Tomography (CBCT) In The Treatment Of Liver Lesions</b><br><u>Cheng Sun</u><br>Tianjin 3rd Central Hospital, China   | CT2-3 |
| 14:30 | <b>Feasibility Study Of Non-Linear Image Blending Technique In Dual-Energy CT On Solitary Pulmonary Nodules</b><br><u>Tingni Song</u><br>West China Hospital, China  | CT2-4 |

**15:00 – 15:30**

**BREAK**

**15:30 – 17:00**

## GENERAL IMAGING

Chair(s):

**RM.2**

- |       |   |       |
|-------|---|-------|
| 15:30 | <b>Balancing the Spine</b><br><u>Dr. Kimani White</u><br>EWMSC, Trinidad  | GI1-1 |
| 15:50 | <b>Advances in Imaging of Acute Pulmonary Embolism</b><br><u>Mkusi Mamba</u><br>MBEYA, Tanzania                                   | GI1-2 |
| 16:10 | <b>Unusual Nail Swallow in a Paediatric Case Study</b><br><u>Sophia Hemans</u><br>Korle Bu Teaching Hospital, Ghana               | GI1-3 |
| 16:30 | <b>Chiropractic Radiography - Essential Expectations</b><br><u>Brendan Corr</u><br>Canadian Memorial Chiropractic College, Canada | GI1-4 |

**10:30 -12:30**

## ULTRASOUND

Chair(s):

**RM.3**

- |       |  |       |
|-------|--|-------|
| 10:30 | <b>SPINA BIFIDA: THE ROLE OF ULTRASOUND</b><br><u>Mildred Massaga</u><br>Msasani Peninsula Hospital, Tanzania  | US1-1 |
| 10:50 | <b>A Case Study: Diagnosis of Heterotopic Pregnancy in an Emergency Situation</b><br><u>Yonella Demars</u><br>Virginia Commonwealth University, Richmond, Virginia | US1-2 |

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## ULTRASOUND (Cont'd)

RM.3

Chair(s):

- |       |   |       |
|-------|---|-------|
| 11:10 | <p><b>The Role Of Mobile Ultrasound To Expectant Mothers In Rural Setting: Pilot Survey Done In Elgeyo</b><br/> <u>Betty Chebet</u><br/>           Kericho County Referral Hospital, Kenya</p>  | US1-3 |
| 11:30 | <p><b>Ultrasound Safety, Mechanisms Of Harm And Possible Side Effects</b><br/> <u>Peters Ehiwe</u><br/>           Scarborough General Hospital, Trinidad and Tobago</p>   | US1-4 |
| 11:50 | <p><b>An Investigation Into Sonography Reporting Practices: A Comparison Of The UK Model With Other Parts Of The World</b><br/> <u>Vivien Gibbs, Hazel Edwards, Gill Harrison</u><br/>           University of the West of England, Bristol, United Kingdom</p> | US1-5 |
| 12:10 | <p><b>IS THAT IT – Techniques To Ensure The Post-MRI Breast Ultrasound Finding Accurately Correlates With The Area Of MRI Enhancement</b><br/> <u>Aruna Mahabir</u><br/>           University Health Network- Princess Margaret Cancer Centre, Canada</p>       | US1-6 |

12:30 – 13:30 **LUNCH**

## 13:30 -15:00 RADIATION PROTECTION

RM.3

Chair(s):

- |       |   |       |
|-------|---|-------|
| 13:30 | <p><b>Roles Of miRNAs In The Damage And Repair Mechanisms Of X-Rays</b><br/> <u>Dong Liu</u><br/>           Tongji Hospital, Tongji Medical College, Huazhong University of Science &amp; Technology, China</p> | RP1-1 |
| 13:50 | <p><b>Measurements Of Radiation Exposure Of Radiography Students During Their Clinical Training Using Thermoluminescent Dosimetry</b><br/> <u>Mohamed Abuzaid</u><br/>           University of Sharjah,UAE</p>  | RP1-2 |
| 14:10 | <p><b>Radiation Protection for Chest and Abdomen Radiography: What Is The Safe Distance?</b><br/> <u>Wei Yow Sim</u><br/>           Singapore General Hospital, Singapore</p>                                   | RP1-3 |
| 14:30 | <p><b>The Use Of Local Alternative Materials As Structural Shielding For Diagnostic Radiological Facilities</b><br/> <u>Schimze Sagon</u><br/>           University of Guyana, Guyana</p>                       | RP1-4 |

15:00 – 15:30 **BREAK**



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15:30 -17:00

## PROFESSIONAL DEVELOPMENT

RM.3

Chair(s):

15:30

**Social Media: The Future Of Formal Professional Development For Medical Radiation Practitioners In Canada And Australia**

PD1-1

Lori Boyd and Dr Celeste Lawson

Monash University Clayton Campus, Australia

15:50

**Radiographer Perceptions Of Professionalism**

PD1-2

Kevin Aas

Tartu University Hospital, Estonia

16:10

**Core Competencies of Radiographers Working in Rural hospitals of Kwazulu-Natal South Africa**

PD1-3

Mung'omba Bernard

Mosvold Hospital, South Africa

16:30

**Emotional Intelligence: A Literature Review Of The Need To Increase Radiology Professionals' Emotional Intelligence As A Method To Cope With Workplace Adversity**

PD1-4

Nicole Dhanraj

Guam Memorial Hospital, Guam

10:30 -12:30

## RADIOTHERAPY

RM.4

Chair(s):

10:30

**Inter-Professional Work In Early Detection Of Breast Cancer: An Integrative Review**

RT1-1

Bergliot Strøm

Western Norway University of Applied Sciences, Norway

10:50

**Interdisciplinary Collaboration In Radiation Oncology**

RT1-2

LeShell Palmer Jones

Cook-Devos Center for Health Sciences, United States

11:10

**Australian And New Zealand Medical Radiations Research Network: Fostering Collaboration And Research Across A Rapidly Evolving Workforce**

RT1-3

Nigel J Anderson

Principal Research Radiation Therapist, Australia

11:30

**Professionalism in Radiation Therapy: What Should It Look Like?**

RT1-4

Kristin Berry

Juravinski Cancer Centre - Radiation Therapy Department, Canada

11:50

**The Alberta, Canada Ocular Brachytherapy Program.**

RT1-5

**Utilizing Patient Feedback to Guide Improvement.**

Wendy Read

Cross Cancer Institute Edmonton, Canada

12:10

**Assessing the Quality of Life of Breast Cancer Patients' undergoing Treatment at the National Radiotherapy Center, Accra. Ghana**

RT1-6

Samuel Opoku

University of Ghana, Ghana

12:30 – 13:30

LUNCH



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**13:30 -15:00**

## **ADVANCED PRACTICE**

**RM.4**

Chair(s):

13:30

**A New Model For Image Interpretation Training? Early Outcomes From An Academy Pilot**

AP1-1

Bev Snaith

University of Bradford, UK

13:50

**Evidence Based Practice: A Survey To Establish Factors That Influence Its Use Within Radiographers' Professional Practice In Uganda**

AP1-2

Dorothy Irene Nalweyiso

Mulago National Referral Hospital, Uganda

14:10

**Status And Development Of Advanced Practice For Radiographers In Norway**

AP1-3

Haakon Hjemly

The Norwegian Society of Radiographers, Norway

14:30

**Engage And Participate: A Practice Council For Medical Imaging Professions**

AP1-4

Jean Nash presenting Harinder Grewal

Mount Sinai Hospital, Canada

**15:00 – 15:30**

**BREAK**

**15:30 -17:00**

## **RADIOTHERAPY**

**RM.4**

Chair(s):

15:30

**Differentiation Of Types Of Breast Cancer On Mammogram Using Artificial Neural Network (ANN)**

RT2-1

Sundaran Kada

Western Norway University of Applied Sciences, Norway

15:50

**Application Of An External Interception Device To Enhance Radiation Therapy Beam Delivery To Target Sites**

RT2-2

Kushnanan Harnarine

Anamayah Memorial Hospital, Guyana

16:10

**An Evaluation Into The Effectiveness Of The Structural Radiation Shielding Barriers Of A Radiation Therapy Facility In Guyana**

RT2-3

Parneshwarie Seodat

Cancer Institute of Guyana, Guyana

16:30

**Radioactive Seed Localization Is The Preferred Technique In Nonpalpable Breast Cancer Compared With Wire-Guided Localization**

RT2-4

Yun Li

Ji Nana, China

16:50

**Presentation Trends of Cervical Cancer Patients: A Case Study Of A Radiotherapy Centre In Zimbabwe**

RT2-4

Polite Mukwada

National University Of Science And Technology, Zimbabwe

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**10:30 -12:30**

**MRI**

**RM.5**

Chair(s):

10:30

**Eight Year Interim Results Of A 20- Year Observational Study Of Transrectally Delivered, MRI-Guided Laser Interstitial Thermal Therapy Of Prostate Cancer In An Outpatient Setting**

MR11-1

Bernadette Greenwood

Desert Medical Imaging, USA

10:50

**Readout-Segmented Echo-Planar Diffusion-Weighted MR For Evaluating Aggressive Characteristics Of Rectal Cancer**

MR11-2

Xia Chunchao

Chengdu, China

11:10

**Language And Motor Network Mapping Using Functional MRI In Patients With Brain Tumor**

MR11-3

Venkatarama Nappa Gurumurthy

National Institute Of Mental Health And Neuroscience, India

11:30

**Interest Of MRI In The Diagnosis Of Osteo-Articular Pathologies At General Hospital DOUALA**

MR11-4

Nwedjiwe Nana Narcisse

Hospital General de Douala, Cameroon

11:50

**Early Evaluation on Left Ventricular Remodeling in Patients with Type 2 Diabetes Mellitus Using MR Tissue Tracking**

MR11-5

Yuming Li

West China Hospital, China

12:10

**Normal Patterns of Left Ventricular Longitudinal Strain of Young Adults on MRI**

MR11-6

Xiaojing Zhang for Menglu Li

Chinese PLA General Hospital, China

**12:30 – 13:30**

**LUNCH**

**13:30 -15:00**

**DENTAL RADIOGRAPHY**

**RM.5**

Chair(s):

13:30

**Enforced Conversion, Pioneers The Way For Digital Imaging Into A Dental School New Clinical Services Build**

DR1-1

Diane Campbell

University of Otago, New Zealand

13:50

**Assessment Of Radiographic Changes In TMJ Of Patients Diagnosed With Rheumatoid Arthritis Using Digital Panoramic Radiographs**

DR1-2

Dr S. Deepika Swetha

Renuka Dental Clinic, India

14:10

**Patients' Perception Of Dental Radiation In Trinidad And Tobago**

DR1-3

Dr. Alana Bissoon

School of Dentistry, The University of the West Indies, Trinidad and Tobago

**15:00 – 15:30**

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15:30 -17:00

## **RADIATION PROTECTION**

**RM.5**

Chair(s):

15:30

**Assessment Of Occupational Radiation Doses For Medical Workers Based On Job Categories In United Arab Emirates**

RP2-1

Wiam Elshami

University of Sharjah, UAE

15:50

**Patient Dose Audit Using Conventional And Interventional Radiography**

RP2-2

Kishaan Persad

University of Guyana, Guyana

16:10

**Developing National Referral Guideline And Ordering Pattern For Radionuclide Bone Scan In Nuclear Medicine; A Tool For Justification Of Practice**

RP2-3

Musa Dambele

Bayero University Kano, Nigeria

16:30

**Basic Dose Optimisation Techniques During Radiographic Procedures**

RP2-4

Mariam Kiwalabye Nabwegamo

St. Francis Naggalama Hospital, Uganda

10:30 -12:30

## **MULTIMODALITY**

**RM.6**

Chair(s):

10:30

**Relevant Factors And Practical Aspects In The Management Of PET/CT Facility While Receiving FDG From A Distant Supplier**

MM1-1

Muhammad Waleed Asfandyar

Sindh Institute of Urology and Transplantation, Pakistan

10:50

**Interesting Cath Lab Case- Permanent IVC Filter Removal**

MM1-2

David Richards

Caribbean Heart Care, Trinidad and Tobago

11:10

**Role Of F-18-FDG PET-CT Scan In Hodgkin's And Non-Hodgkin's Lymphoma; Comparison Between Deauville Criteria And  $\Delta$ SUVmax.**

MM1-4

Yusra Aijaz

Nuclear Medicine Technologist, Pakistan

11:30

**Frameless Stereotactic Radio Surgery (SRS/FSRS) Treatment Technique And Evaluation Of Set Up Errors**

MM1-5

Rakesh Kaul

Max Cancer Center, India

11:50

**Spontaneous / Catamenial Pneumothorax Due To Thoracic Endometriosis Syndrome: A Case Series**

MM1-6

Dr. Fidel Rampersad

UWI Med Sci DM Radiology, Trinidad & Tobago

12:30 – 13:30

**LUNCH**



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Apr 13<sup>th</sup> Cont'd

**15:30 -17:00**

## **COMPUTED TOMOGRAPHY**

**RM.6**

Chair(s):

15:30

**Digital Training Platform For Chest Image Interpretation: An RCT**

CT3-1

Laura McLaughlin

Ulster University, Ireland

15:50

**Enhancing Radiographer Threshold CT Competencies Through Clinical Simulation**

CT3-2

Maryann Hardy

University of Bradford, UK

16:10

**Application Of Adaptive Statistical Iterative Reconstruction In Combination With Noise Index In The Chest Computed Tomography Examination Of Pre-School Age Children**

CT3-3

Shilong Tang

Children's Hospital of Chongqing Medical, China

16:30

**Drop-In CT For Intensive Care Patients**

CT3-4

Kim Storm Rasmussen

Odense University Hospital, Denmark

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## SATURDAY 14 APRIL, 2018

08:15 – 9:00	<b>REGISTRATION</b>	
08:30 – 9:30	<b>PLENARY SESSION</b>	
	<b>From Radiographer To Teacher: Brains, Courage And Heart In Professional Borderlands</b> Professor Bobby Harreveld PhD, MEd, BEd, Dip Tch, DipT&AS, CQ University	
9:30 - 10:00	<b>Panel Discussions From Various Countries: From Radiographer To Teacher</b> Professor Bobby Harreveld, Ms. Wilma Collins, Chris Steelman, Karen Finlay, Napapong Pongnapan	
10:00 - 10:30	<b>Break</b>	
10:30 -12:30	<b>GENERAL IMAGING</b>	<b>RM.1</b>
	Chair(s):	
10:30	<b>Advances In Radiation In Guyana: Academic And Regulatory Perspectives</b> <u>Petal Surujpaul</u> Georgetown Public Hospital Corporation, Guyana	GI3-1
10:50	<b>Attitude And Perception Of Radiographers And Radiography Students Towards Clinical Placement In Some Tertiary Hospitals In Nigeria</b> <u>Dr. Mark C. Okeji</u> University of Nigeria Enugu Campus, Nigeria	GI3-2
11:10	<b>Overview Of Education, Licensing And Practice Of Imaging Sciences In Latin America</b> <u>Jose Rafael Moscoso-Alvarez</u> Universidad Central del Caribe, Puerto Rico	GI3-3
11:30	<b>The “Doves” Among Radiography Examiners In The Inaugural Clinical Radiography Examination In Singapore</b> <u>Chong Chun Meng</u> Tan Tock Seng Hospital, Singapore	GI3-4
11:50	<b>Evaluation Of Attitude Towards Studying Radiography In Tanzania</b> <u>Veronica Maria Rwegasira</u> Computech Limited, Tanzania	GI3-5
12:10	<b>Trends That Have Influenced The Swedish Radiography Profession Over The Last Four Years</b> <u>Bodil Andersson</u> Lund University, Sweden	GI3-6
12:30 – 13:30	<b>LUNCH</b>	
13:30 -15:00	<b>WE CARE</b>	<b>RM.1</b>
	Chair(s):	
13:30	<b>Because We Care</b> <u>Cheryl Turner</u> ZDi Solutions, LLC, USA	WC1-1
13:50	<b>Ethics Presentations At CPD Events: Do We Care About The Patient?</b> <u>Hesta Friedrich-Nel</u> Central University of Technology, South Africa	WC1-2

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<b>13:30 -15:00</b>	<b>WE CARE</b> (Cont'd) Chair(s):	<b>RM.1</b>
14:10	<b>Accreditation - Because 'We Care'</b> <u>Venice Gill</u> Queen Elizabeth Hospital, Barbados	WC1-3
14:30	<b>Enhancing Occupational Health And Safety- (We Care More When We Care For Ourselves)</b> <b>A Study Of Incidence Of Workplace Injury Among Ghanaian Radiographers</b> <u>Yahans De-Heer</u> La General Hospital, Ghana	WC1-3
<b>15:00 – 15:30</b>	<b>BREAK</b>	
<b>15:30 -17:00</b>	<b>WORKSHOP</b> Chair(s):	
15:30	<b>The Paradox Of The Radiographer: Who, What And Where Are We?</b> <u>Cynthia Cowling, Susan Ward</u> Monash University, Australia	WS1-1
<b>10:30 -12:30</b>	<b>QUALITY MANAGEMENT</b> Chair(s):	<b>RM.2</b>
10:30	<b>Inefficiency Diagnosis To Pediatric Imaging Radiation Services In Tanzania</b> <u>Madvan Nestory Rwegasira</u> Radiographer, Arusha, Tanzania	QM2-1
10:50	<b>Analysis Of Radiology Examination Request Forms From Four Hospitals In Dar es Salaam, Tanzania</b> <u>Stephen Samson Mkoloma</u> Ocean Road Cancer Institute, Tanzania	QM2-2
11:10	<b>Study Of Factors Affecting Service Quality Of Main Radiology Department Of The National Hospital Of Sri Lanka</b> <u>Vitharana Gamage Wimalasena</u> National Hospital of Sri Lanka, Sri Lanka	QM2-3
11:30	<b>Delay Of Reporting Of Film In The Radiology Department</b> <u>Jalila Keens Douglas</u> COSTAAT, Trinidad & Tobago	QM2-4
11:50	<b>Musculoskeletal Injuries Among Radiographers in Trinidad and Tobago</b> <u>Jendayi Tull</u> COSTAAT, Trinidad & Tobago	QM2-5
12:10	<b>Using The 5S Methodology To Improve Quality And Efficiency In The Vascular Interventional Radiography Department</b> <u>Craig St. George</u> American Society of Radiologic Technologists, USA	QM2-6
<b>12:30 – 13:30</b>	<b>LUNCH</b>	

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13:30 -15:00

## COMPUTED TOMOGRAPHY

RM.2

Chair(s):

13:30

**The Hidden Burden: Abdominal Pelvic Computed Tomography Scan Signals A High Burden Of Cancers In Western Uganda**

CT4-1

Sam Ali

UMC Victoria Hospital Bukoto, Uganda

13:50

**The Effectiveness Of Percutaneous Chemotherapeutic Drugs Injection Under Cone-Beam Computed Tomography With Overly Technique After The Conventional Transcatheter Arterial Chemoembolization**

CT4-2

Cheng Sun

Tianjin 3rd Central Hospital, China

14:10

**The Study On The Personalized Scanning Protocol Of Low-Dose Contrast Media With The Third-Generation Dual-Source CT For Coronary Computed Tomography Angiography**

CT4-3

Jianbo Gao

The First Affiliated Hospital Of Zhengzhou University, China

14:30

**Low-Dose CT Of The Patients With 80kv Coronary Angiography Bypass Grafts Using Iterative Model Reconstruction: Evaluation Of Image Quality And Radiation Dose Reduction**

CT4-4

Luo Chuncai

PLA General Hospital, China

15:00 – 15:30

**BREAK**

15:30 -17:00

## COMPUTED TOMOGRAPHY I

RM.2

Chair(s):

15:30

**Optimisation In Abdominal CT: Comparison Of Image Quality Between Filtered Back Projection And A Model-Based Iterative Reconstruction.**

CT5-1

Bharti Kataria

Department of Medical & Health Sciences, Linköping University, Sweden

15:50

**Aneurysm Clips In CT Caput Imaging: The Influence Of Different Scan And Reconstruction Techniques On Metal Artifacts**

CT5-2

Vanja Harsaker

Oslo and Akershus University College of Applied Sciences, Norway

16:10

**Analysis Of Influence Factors Of Streak Artifacts In The Neck CT**

CT5-3

Li Danni

Beijing Cancer Hospital, China

16:30

**Comparing The Contrast Enhancement Of Head & Neck CT Angiogram From The Left And Right Elbow Intravenous Contrast Injection.**

CT5-4

Edward Chan

The University of Hong Kong Shenzhen Hospital, Hong Kong



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Apr 14<sup>th</sup> Cont'd

**10:30 -12:30**

## **ADVANCED PRACTICE**

**RM.3**

Chair(s):

10:30

**Implementing Advanced Practice: An Exploration Of The Clinical Enablers**

AP2-1

Maryann Hardy

University of Bradford, UK

10:50

**Introduction Of Reporting Radiographers In A Danish Department Of Radiology - Professional Role Development, Management And Perspectives**

AP2-2

Pica Andersen

Hospital Little Belt, Kolding, Denmark

11:10

**Advanced Practice Coordinator- Emerging Practice In Radiology**

AP2-3

Sean Richardson

William Osler Health System; Humber River Hospital & University of Liverpool, Canada

11:30

**Awareness And Use Of Diagnostic Reference Levels In Radiography: A Snapshot Of Practice Across Europe**

AP2-4

Sonyia Mc Fadden

Ulster University, Ireland

11:50

**How To Visualize The Lung Fields In Patients Treated With The LUCAS Chest Compression Device**

AP2-5

Bo Mussman

Odense University Hospital, Denmark

**12:30 – 13:30**

**LUNCH**

**13:30 -15:00**

## **RADIATION PROTECTION**

**RM.3**

Chair(s):

13:30

**Awareness And Knowledge Of Radiation Dose And Associated Risks Among Final Year Medical Students In Norway**

RP3-1

Sundaran Kada

Western Norway University of Applied Sciences, Norway

13:50

**Radiation Protection - Knowledge And Behavior Of Radiology Technicians**

RP3-2

Nuran Akyurt

Marmara University, Turkey

14:10

**The Relationship Of Radiographic Techniques And Digital Radiography Exposure Index**

RP3-3

Zhen Ong

Singapore General Hospital, Singapore

14:30

**Awareness On Ionizing Radiation Among Non Radiation Healthcare Workers At A Teaching And Referral Hospital**

RP3-4

Caesar Barare

Kenyatta National Hospital, Nigeria

**15:00 – 15:30**

**BREAK**

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Apr 14<sup>th</sup> Cont'd

15:30 -17:00

## COMPUTED TOMOGRAPHY II

RM.3

Chair(s):

15:30

**Volumetric Analysis Of The Lateral Cerebral Ventricles Using A Stereological Method On Normal Ct Images In Kano, Nigeria**

CT6-1

Mohammed Abba

Bayero University, Nigeria

15:50

**Gender Estimation By Means Of Quantitative Measurements Of Foramen Magnum; An Analysis Of CT Head Images.**

CT6-2

Thilini Hathurusinghe

MDK Health Care Center & Hospital-Horana, Sri Lanka

16:10

**STORIES FROM THE FRONTLINE: Identifying Challenges And Solutions For Improper CT Colonography Patient Preparation Using A Case Study Approach**

CT6-3

Tracy Wakeford

Mount Sinai Hospital, Canada

16:30

**The Use Of MIYABI Angio-CT For Diagnosis And Treatment Of Lower Gastrointestinal Bleeding Commonly Seen In Emergency**

CT6-4

Wei-YaoKao

Veterans General Hospital Taipei, Taiwan

10:30 -12:30

## RADIOTHERAPY

RM.4

Chair(s):

10:30

**Evaluating Secondary Thyroid Dose In Total Breast Irradiation**

RT3-1

Melanie Dempsey

Virginia Commonwealth University, USA

10:50

**The Role Of Radiation In Stereotactic Body Radiotherapy (SBRT) Spine And Evaluation Of Set Up Errors**

RT3-2

Rakesh Kaul

Max Cancer Center, India

11:10

**Surface Monitoring In Treating DIBH For Lt Sided Breast Cancer Using AlignRT And Humediq Surface Monitoring Systems**

RT3-3

Amy Cabanilla

Huntsman Cancer Hospital, Utah, USA

11:30

**Augmenting A Radiation Therapist Research Culture Across A Multi-Campus Service**

RT3-4

Nigel J Anderson

Principal Research Radiation Therapist, Australia

11:50

**Barriers In Voluntary Error Reporting In Radiotherapy: A Case Of An Oncology Centre In Botswana**

RT3-5

Sindiso Nleya

National University Of Science And Technology, Zimbabwe

12:10

**The Quest For Excellence In Radiation Therapy Education: The Effectiveness Of Patient Education In A Classroom Setting**

RT3-6

Marcia Smoke

Juravinski Cancer Centre - Radiation Therapy Department, Canada

12:30 – 13:30

LUNCH

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Apr 14<sup>th</sup> Cont'd

13:30 -15:00

## GENERAL IMAGING

RM.4

Chair(s):

13:30

### Position Of Radiographers In Quality Control Programmes In Tanzania

GI4-1

Stephen Samson Mkoloma  
Ocean Road Cancer Institute, Tanzania

13:50

### From An Osteoarthritic Knee And Hip, To The Conformis CT Protocol To The Customized Knee Implant

GI4-2

Didier Nussbaumer  
ConforMIS, Inc, USA

14:10

### Bauman's Angle: A Relevant Tool In The Radiological Assessment Of Bone Alignment In Reduced Supracondylar Fracture Of The Humerus In Children

GI4-3

Elizabeth Balogun  
National Orthopedic Hospital, Nigeria

14:30

### Renal Resistive Index Values Among Patients With Hydronephrosis In Zimbabwe

GI4-4

Bigboy Tendai Rakata  
National University of Science and Technology, Zimbabwe

15:00 – 15:30

## BREAK

15:30 -17:00

## RADIOTHERAPY

RM.4

Chair(s):

15:30

### Predicting Feeding Tube Needs In Head And Neck Radiotherapy Patients: Independently Validating A Feeding Tube Prognostic Tool

RT4-1

Nigel J Anderson  
Principal Research Radiation Therapist, Australia

15:50

### Quantification Of Inter- And Intra-Fraction Positioning Errors In Patients Of Hepato Cellular Carcinoma With Portal Vein Tumor Thrombosis Treated With Linac Based SBRT Using Active Breath Co-Ordinator System

RT4-2

Teekendra Singh, Dr. T. Kataria, Dr. K. Narang  
Medanta- The Medicity, India

16:10

### Optimization Of Radiation Exposure To The Eye Lens In Stereotactic Radiosurgery

RT4-3

Kohei Kawasaki  
Chiba Cerebral and Cardiovascular Center, Japan

16:30

### Dosimetric Comparison Of Lt Sided Breast Cancer Radiotherapy Between Self-Held Respiration Monitoring Device (SHRMD) For Deep Inspiration Breath Hold (DIBH) And Free Breathing (FB)

RT4-4

Yin Ping Ng  
Hong Kong Sanatorium & Hospital, Hong Kong



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<b>10:30 -12:30</b>	<b>GENERAL IMAGING</b>	<b>RM.5</b>
	Chair(s):	
10:30	<b>Gen Y-ers Are Taking Over The Clinic - Are You Ready?</b> <u>Scott Green</u> Grand Valley State University, USA	GI5-1
10:50	<b>Digital Imaging &amp; Social "What Happens In The Hospital Doesn't Always Stay In The Hospital"</b> <u>Tosca Bridges Taylor</u> John Muir Health, USA	GI5-2
11:10	<b>Smartphone Use In Healthcare Facilities: A Review Of The Literature On Benefits And Associated Risks</b> <u>Lori Boyd and Dr. Celeste Lawson</u> Monash University, Australia	GI5-3
11:30	<b>Technological Innovation - Friend Or Foe? What If We Did Nothing At All?</b> <u>Elen Moyo</u> University Health Network, Canada	GI5-4
11:50	<b>Health Care Technology Today: A Living And Breathing Ecosystem</b> <u>Stacy de Gale</u> Petrotrin, Pointe-a-Pierre, Trinidad & Tobago	GI5-5
12:10	<b>Evidence Based Practice Utilizing Journal Clubs</b> <u>Amanda Bolderston</u> BC Cancer Agency, Canada	GI5-6
<b>12:30 – 13:30</b>	<b>LUNCH</b>	
<b>13:30 -15:00</b>	<b>MRI</b>	<b>RM.5</b>
	Chair(s):	
13:30	<b>Visually AcceSAbLe Rembrandt Images Assessment features predict GBM recurrence patterns</b> <u>Du Xuesong Zhang Weiguo</u> The Third Military Medical University, China	MR12-1
13:50	<b>Adolescent Chronic Fluoxetine Exposure Enhances White Matter Integrity In Adulthood: A DTI Study</b> <u>Hao Wu</u> Department of Radiology, Daping Hospital, The Third Military Medical University, China	MR12-2
14:10	<b>T1 MR Venography (MRV) For The Diagnosis Of Abdominal/Pelvic/Lower-Limb Deep Venous Thromboses (DVT) Compared With Doppler Ultrasound (DUS)</b> <u>Qing Fu</u> Huazhong University of Science and Technology, China	MR12-3
<b>15:00 – 15:30</b>	<b>BREAK</b>	



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**15:30 -17:00**

## **IMAGING INFORMATICS**

**RM.5**

Chair(s):

15:30

### **From Analogy Imaging To Improvised Teleradiology**

II-1

Adam Francis Zuberi

Muhimbili University Of Health And Allied Science, Tanzania

15:50

### **Zimbabwe Government Hospitals Radiology Data Management Nightmare!**

II-2

Louis Tapera Chihata

Mpilo Central Hospital, Zimbabwe

16:10

### **How Can Cloud-Based RIS / PACS Revolutionise Patient Care?**

II-3

Dr. Jamaal Brown

Consultant Radiologist, VEPRO, Trinidad & Tobago

16:30

### **Anomalous Coronary Arteries – An Incidental Find**

II-4

David Richards

Trinidad & Tobago

**10:30 -12:30**

## **COMPUTED TOMOGRAPHY**

**RM.6**

Chair(s):

10:30

### **Review Of ALARA Practice In Managing Patient Dose In CT Abdominal Examination At KNH**

CT7-1

Catherine Muchuki

Kenyatta National Hospital, Kenya

10:50

### **Shielding In CT – An Update For 2018**

CT7-2

Daniel DeMaio

University of Hartford, USA

11:10

### **Emphasizing Radiation Safety Culture In Pediatric CT Imaging**

CT7-3

Ruth Mwangi

Moi Teaching And Referral Hospital, Kenya

11:30

### **Diagnostic Reference Levels In Routine Adult And Paediatric Computed Tomography Examinations: A Systematic Review**

CT7-4

Idris Garba

Bayero University Kano State, Nigeria

11:50

### **Technological Profile Of Equipment And Status Of Scano-Graphic Practice In French-Speaking Countries In Africa: Case Of Cameroon, Ivory Coast And Togo**

CT7-5

Dogbevi Aziagba

Radiological Technologist, Lome, Togo

12:10

### **Do Nigerian Radiographers Use Computed Tomography Protocols For Adults And Paediatrics?**

CT7-6

Thomas Adejoh

Nnamdi Azikiwe University Teaching Hospital, Nigeria

**12:30 – 13:30**

**LUNCH**



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13:30 -15:00

## ULTRASOUND

RM.6

Chair(s):

13:30

**Role Of Neck Ultrasound And Tc-99m Sestamibi Scintigraphy In Patients With Hyperparathyroidism Due To Chronic Kidney Disease**

US2-1

Yusra Aijaz

Nuclear Medicine Technologist, Pakistan

13:50

**Solving The Challenges Of Technically Difficult Stereotactic Image-Guided Breast Biopsies: Lessons From The Frontline**

US2-2

Aruna Mahabir

University Health Network- Princess Margaret Cancer Centre, Canada

14:10

**Field Study Of Schistosomiasis Mansonii Classification Using Ultrasound Classification Using Ultrasound Machine**

US2-3

Hilda Kadzo

Kenyatta National Hospital, Kenya

15:00 – 15:30

**BREAK**

15:30 -17:00

## MRI

RM.6

Chair(s):

15:30

**Robustness Of Multi-Parametric And Multi-Regional MRI Derived Radiomics Features In GBM**

MR13-1

Du Xuesong Zhang Weiguo

The Third Military Medical University, China

15:50

**Application Of Up-Conversion Nanoparticles In CT And MRI Enhancement Scan**

MR13-2

Dong Liu

Tongji Hospital, Tongji Medical College, Huazhong University of Science & Technology, China

16:10

**Consistency Study Of 3D-ASL And DSC-PWI In Assessment Of Hemodynamics Of Patients With Moyamoya Disease**

MR13-3

Jinge Zhang

West China Hospital, China

16:30

**Time-Of-Flight Magnetic Resonance Angiography With Sparse Undersampling Of Unruptured Intracranial Aneurysms At 3.0T: Comparison With Digital Subtraction Angiography**

MR13-4

Xia Chunchao

Chengdu, China

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## SUNDAY 15 APRIL, 2018

08:15 – 9:00	<b>REGISTRATION</b>	
08:30 – 9:30	<b>PLENARY SESSION</b>	
	<b>Imaging in Radiation Therapy: A blend of Science and Art</b>	
	Dr. Dylan Narinesingh MBBS, MMed, FCRadOnc, Executive Medical Director NWRHA, Trinidad	
9:30 - 10:00	<b>Strengthening of Safety Culture in Radiotherapy through the use of incident learning systems from the IAEA perspective</b>	
	Maria Law, ISRRT, Director of Education	
10:00 - 10:30	<b>Break</b>	
10:30 -12:30	<b>MAMMOGRAPHY</b>	<b>RM.1</b>
	Chair(s):	
10:30	<b>Optimized Choice Of Target/Filter Combination In Digital Mammography</b>	M1-1
	<u>Yun Li</u> Ji Nana, China	
10:50	<b>Radiation Dose Comparison Between Film-Screen And Digital Mammography Systems: A Literature Review</b>	M1-2
	<u>Bashir Shafiu Hussain</u> Bayero University Kano, Nigeria	
11:10	<b>Challenges In Mammography Education And Training Today: The Perspectives Of Radiography Teachers/Mentors And Students In Five European Countries</b>	M1-3
	<u>Bergliot Strøm</u> Western Norway University of Applied Sciences, Norway	
11:30	<b>A Self-Directed Learning Intervention For Radiographer Rating Mammography Breast Density</b>	M1-4
	<u>Evelyn Wasike</u> Kenyatta National Hospital, Kenya	
11:50	<b>Image Quality And Patient Radiation Dose In Mammography At A Major Nepali Hospital</b>	M1-5
	<u>Ganesh Bahadur Pokharel</u> National Academy of Health Sciences, India	
12:10	<b>Perceptions Of Breast Cancer And Utilization Of Mammography In Ghana</b>	M1-6
	<u>Terry Konn-Karangwa</u> Brookdale College, USA	
12:30 – 13:30	<b>LUNCH</b>	

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10:30 -12:30

## COMPUTED TOMOGRAPHY

RM.2

Chair(s):

10:30

**One-Stop Examination For Coronary CTA And Multiphase Contrast-Enhanced Upper-Abdominal Scan On The 16cm Wide-Detector Revolution CT: Feasibility Study**

CT8-1

Jinge Zhang

West China Hospital of Sichuan University, China

10:50

**Angio CT With 80 Kev**

CT8-2

Francesc Xavier Ramon

Idi Tarragona, Hospital Joan XXIII, Nigeria

11:10

**Contrast Medium Optimization For Low Dose By Prospective ECG-Triggering Coronary CT Angiography Using 256-MDCT**

CT8-3

Jie Liu

The First Affiliated Hospital of Zhengzhou University, China

11:30

**Variations In Renal Vasculature:**

**A CT Angiography Case Study At A Private Centre**

CT8-4

Simbarashe Gashirai

National University of Science and Technology, Zimbabwe

11:50

**Hemodynamic Changes In Patients With Ecmo Demonstrated By Contrast Enhanced CT-Implication For Image Acquisition Technique**

CT8-5

Nithiya Jayamani

Singapore General Hospital, Singapore

12:10

**Coronary CT 3D Post-Processing Standardization And The Construction Of Digital Teaching Platform**

CT8-6

Luo Chuncai

PLA General Hospital, China

12:30 – 13:30

**LUNCH**

10:30 -12:30

## ADVANCED PRACTICE

RM.3

Chair(s):

10:30

**Developing Evidence Based Practice: Experiences From The SEPRAID Project**

AP3-1

Bev Snaith

University of Bradford, USA

10:50

**Diagnostic Imaging And Physical Therapy**

AP3-2

Stacy de Gale

Petrotrin, Pointe-a-Pierre, Trinidad & Tobago

11:10

**Ancient Aliens, The Leadership Gene And Leadership In Radiography**

AP3-3

Scott Green & Kellie Mc Pherson

Grand Valley State University, USA

11:30

**A Training Module On Using Humour: An Innovative Healthcare Humanization Of The Radiographer's Practice**

AP3-4

Etienne Cordier

Grenoble Alpes University, France

11:50

**Interprofessional Collaboration About Patient Safety In Medical Imaging-Preliminary Results**

AP3-5

Lise-Lott Lundvall

University Hospital Linkoping, Sweden



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Apr 15<sup>th</sup> Cont'd

<b>10:30 -12:30</b>	<b>ADVANCED PRACTICE</b> (Cont'd) Chair(s):	<b>RM.3</b>
12:10	<b>An Analysis Of The Role Of The Medical Dosimetry Educator</b> <u>LeShell Palmer Jones</u> Cook-Devos Center for Health Sciences, USA	AP3-6
<b>12:30 – 13:30</b>	<b>LUNCH</b>	
<b>10:30 -12:30</b>	<b>RADIOTHERAPY</b> Chair(s):	<b>RM.4</b>
10:30	<b>Skin Care For Radiation Therapy Patients</b> <u>Angela Cashell</u> University of Toronto, Canada	RT5-1
10:50	<b>Assessment Of Personnel Dosimetry In Radiotherapy At Cancer Institute Guyana</b> <u>Basmattie Sawh</u> University of Guyana, Turkeyen Campus, Guyana	RT5-2
11:10	<b>Stereotactic Body Radiotherapy As An Alternative To Brachytherapy In Gynaecologic Cancer</b> <u>Ebison Chinherende</u> The Cancer Centre Eastern Caribbean, Antigua	RT5-3
11:30	<b>Assessment Of Anxiety and Depression Among Breast Cancer Patients in Ghana</b> <u>Kofi Adesi Kyei</u> University of Ghana, Ghana	RT5-4
11:50	<b>An Assessment Of Sexual Informational Needs Of Breast Cancer Patients Undergoing Radiotherapy</b> <u>Li Hoon (Li Yun) Lim</u> National Cancer Centre Singapore, Singapore	RT5-5
12:10	<b>Evaluating The Effect Of Linens On Surface Skin Dose And Patient Perspectives On Respect And Dignity In Radiation Therapy</b> <u>Marcia Smoke</u> Juravinski Cancer Centre - Radiation Therapy Department, Canada	RT5-6
<b>12:30 – 13:30</b>	<b>LUNCH</b>	
13:30	<b>CLOSING CEREMONY</b>	



# 20<sup>th</sup> ISRRT World Congress 2018



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## COMPUTED TOMOGRAPHY

- P1 **Low Radiation Dose Dual-Energy Spectral CT With Gemstone Spectral Imaging Assist Combined With Iterative Reconstruction In Typical Hepatic Hemangioma CT Imaging With Reduced Iodine Load: Preliminary Study**  
Wei Li  
Jinan City, China
- P2 **The Feasibility of Spectral CT For Monitoring and Predicting the Therapeutic Efficacy of Axitinib in Rabbit VX2 Liver Tumors**  
Xiao Peng Yang  
The First Affiliated Hospital Of Zhengzhou University, China
- P3 **The effect of heart rate on the pulmonary artery angiography with low contrast agent CT**  
Weiguo Zhang  
Department of Radiology, Beijing Chaoyang Hospital, China
- P4 **Assessment Of The Awareness And Attitude Of Emergency Physicians Towards The Use Of Computed Tomography (CT) In Patients With Head Injury In Various Hospitals In Anamba State Nigeria.**  
Mary-Ann Okechukwu  
Student, Nigeria
- P5 **Comparison Of Image Quality And Radiation Dose Between Automatic Tube Current Modulation And Fixed Tube Current Technique In CT KUB Stone**  
Supawan Jivapong  
Golden Jubilee Medical Center, Thailand
- P6 **Low-Dose CT Thorax: A Comparison Of X-CARE, An Organ-Based Tube-Current Modulation And Bismuth Shielding.**  
Mikael Oseberg  
Akershus University Hospital, Norway

## EDUCATION, MANAGEMENT, PROFESSIONALISM

- P7 **Preparedness for Clinical practice: Perceptions of intern radiographers and their work supervisors in South-south, Nigeria.**  
Uduakobong Itata  
Unical Medical Centre, Nigeria
- P8 **Comparative analysis of measurement method of liver donor volume**  
Dae-Keun Kim  
National Cancer Center, Korea
- P9 **Study on Cerebral Blood Flow of Youth Auditory Cortex under different frequent sound stimulation using Arterial Spin Labeling perfusion weighted imaging**  
Xiaojing Zhang  
Chinese PLA General Hospital, China

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## EDUCATION, MANAGEMENT, PROFESSIONALISM

- P10 **Factors Contributing to lack of occupational radiation monitoring in Southern Malawi**  
Cowles Chilingulo  
Malawi
- P11 **The contrivance of the clinical ability education to the patient reception in Teikyo University**  
Hiroki Ohtani  
Teikyo University, Japan
- P12 **Aggressive pseudotumor tissue reactions, long term complications of total hip replacement**  
Mabel Zelicovich  
Tel Aviv Sourasky Medical Center, Isreal
- P13 **The Challenges of Relying on Patient-reported Medical History in a Breast Imaging Program**  
Sheena Chung  
Joint Department of Medical Imaging - Women's College Hospital, Canada
- P14 **Changes of Brain Structure Volume in Alzheimer's Disease Patients analyzed via VBM technology**  
Li-Chuan Huang  
Tzu-Chi general hospital, Taiwan
- P15 **A comparative analysis of diagnostic radiographers' emotional intelligence across sub-specialties and against other Allied Health Professions at a tertiary teaching hospital in Asia**  
Shiu Suwn Yeo  
Singapore General Hospital, Singapore
- P16 **Educating Globally in Medical Imaging using eLearning and INTEREST-PBL**  
Carmen Saunders-Russell  
California State University Northridge, United States
- P17 **Approaching Development of a new education programme in Diagnostic Radiography**  
Alexandra Partner, University of Derby, UK
- P18 **Back to basic: With modern technology, personal touch is the brilliance of human connection**  
Jacqueline Umali  
National Healthcare Group Diagnostics Singapore, Singapore

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## GENERAL RADIOGRAPHY, RADIATION PROTECTION

- P19      **Dental Radiological Practice in Trinidad and Tobago: A Pilot Project**  
Dr. Arlana Bissoon  
School of Dentistry, The University of the West Indies, Trinidad and Tobago
- P20      **Application of VBM in Morphological Abnormalities Between Early-onset and Late-onset Schizophrenia Patients**  
Jicheng Fang, Junwu Hu, Wenzhen Zhu  
Radiological Department, Tongji Hospital, Tongji Medical University of HUST, Wuhan, China
- P21      **Investigation of exposure factors for various breast composition and thicknesses in digital screening mammography**  
Khaled Alkhalifah PhD, Ajit Brindabhan PhD  
Faculty Of Allied Health, Kuwait
- P22      **Evaluation of Biological Effects about Irradiation Dose in Tissue**  
Sanghyeong Kil  
Pusan National University Yangsan Hospital, Korea
- P23      **Quality improvement on plain radiographs by obligatory internal course held by reporting radiographers**  
Marie Midtgaard  
Kolding Hospital, Denmark
- P24      **Shielding Properties Of Precast Blocks For Construction Of Diagnostic Xray Facility**  
Sophia Hemans  
Korle Bu Teaching Hospital, Ghana
- P25      **Certification system of facilities optimizing medical exposure dose in Japan**  
Naoki Kodama  
Tokyo
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