

# FRIDAY 18 AUGUST 2023

08:20-08:30 **Opening: Dr Fozy Peer, SORSA | ISMRT 2023 Congress Convenor • Welcome: Dr Riaan van de Venter | SORSA President**

08:30-09:00 **Opening address:**  
Key challenges for the future evidence-based medicine | **Prof Jimmy Volmink, Stellenbosch University, RSA**

## HALL C

- 09:00-10:30 SESSION 1  
ARTIFICIAL INTELLIGENCE  
Chair: Dr Aladdin Speelman**
- 09:00-09:25 Artificial intelligence (AI)  
- software regulatory aspects  
**Prof Huseyin Ozan Tekin, UAE**
- 09:25-09:50 Education and career framework  
for the radiography profession in the UK  
**Ms Charlotte Beardmore, SOR, UK**
- 09:50-10:15 The role of the ISRRT in developing countries  
**Dr Napapong Pongnapang,  
ISRRT President, Thailand.**
- 10:15-10:25 Organisational readiness for  
the implementation of artificial intelligence  
within radiology centres  
**Mr Romain Abbas, GE Healthcare and UJ,  
RSA**
- 10:25-10:30 Session 1 | Free Papers Q&A**

**10:30-11:00 TEA**

- 11:00-13:05 SESSION 2  
RADIATION PROTECTION  
Chair: Mrs Nazlea Behardien-Peters**
- 11:00-11:25 Current perceptions on the use of patient  
shielding in radiography  
**Dr Donald Frush, Co-Chair, ISR Quality &  
Safety, USA**
- 11:25-11:50 Patient shielding - is it necessary?  
**Prof Mark McEntee,  
Chair, Diagnostic Radiography,  
University College Cork, Ireland**
- 11:50-12:15 Dose optimisation in management and treatment  
of patients  
**Dr Tobias Kotze, Medical Physicist,  
Radiation Dosimetry & Protection, RSA**
- 12:15-12:40 DRLs - where are we at?  
**Dr Chris Trauernicht, Head - Medical Physics,  
Stellenbosch University, RSA**
- 12:40-12:50 Radiation protection among South African  
diagnostic radiographers - a mixed method  
study  
**Dr Shantel Lewis,  
University of Johannesburg, RSA**
- 12:50-13:00 Individual patient radiation dose tracking:  
the radiographer perspective  
**Mr Gerhardus Koch, Cape Peninsula  
University of Technology, RSA**
- 13:00-13:05 Session 2 | Free Papers Q&A**

**13:05-14:00 LUNCH**

- 14:00-16:00 SESSION 3  
FORENSIC RADIOGRAPHY  
Chair: Prof Hesta Friedrich-Nel**
- 14:00-14:25 Every image is a potential forensic  
**Dr Mark Viner, Senior Lecturer: Forensic  
Radiography, Cranfield University, UK**
- 14:25-14:50 Role of imaging in forensic pathology  
**Prof Threnesan Naidoo, Forensic Pathologist,  
Walter Sisulu University, RSA**

## MEETING ROOM 8&9

- 09:00-11:00 Open Time Slot**
- 10:30-11:00 TEA**
- 11:00-13:00 SESSION 5  
POSTER PRESENTATIONS AND EDUCATION  
Chair: Ms Ida-Keshia Sebelego**
- 11:00-11:03 **Poster Presentation 1:**  
McCune-Albright syndrome:  
a case report with a radiological review  
(a secondary publication)  
**Mrs Ayesha Asmal, Wits Oral Health Centre, RSA**
- 11:03-11:06 **Poster Presentation 2:**  
Breast implant evaluation  
**Mrs Christelle Cloete, Cape Peninsula  
University of Technology, RSA**
- 11:06-11:09 **Poster Presentation 3:**  
Image reject rates and related causes: the case  
of two eThekweni regional hospitals in KwaZulu-  
Natal, South Africa  
**Dr Nkululeko Gam, Durban University of  
Technology, RSA**
- 11:10-12:10 **Education Workshop:**  
Transitioning to a socially responsive curriculum  
and a reflective practice  
**Prof Penelope Engel-Hills & Dr Lizel Hudson,  
Cape Peninsula University of Technology, RSA**
- 12:10-12:20 Experiences of undergraduate diagnostic radio-  
graphy students regarding assessor feedback  
during summative clinical assessments  
**Mrs Hayley Hodgson,  
Nelson Mandela University, RSA**
- 12:20-12:30 Radiography community involvement in the  
professional socialisation of diagnostic  
radiography students  
**Ms Yanda Peter, Cape Peninsula  
University of Technology, RSA**
- 12:30-12:40 Radiography students' experiences with the  
Collaborative International Online Learning  
Project, at a university of Technology in KwaZulu-  
Natal  
**Dr Thandokuhle Khoza, Durban  
University of Technology, RSA**
- 12:40-12:50 Prevalence and associated risk factors of  
musculoskeletal disorders among under graduate  
radiography students during work integrated learning  
**Mr Siyanda Siphesihle Masondo,  
Emmaus Provincial Hospital, KZN, RSA**
- 12:50-13:00 Session 5 | Free Papers Q&A**

**13:00-14:00 LUNCH**

- 14:00-16:00 SESSION 6  
POSTER PRESENTATIONS AND EDUCATION  
Chair: Ms Ferial Isaacs**
- 14:00-14:03 **Poster Presentation 4:**  
Healthcare support personnel's understanding of  
radiation safety measures in the radiology  
department: an exploratory descriptive study  
**Miss Sphosethu Mngomezulu,  
University of Pretoria, RSA**

## MEETING ROOM 11

- 09:05-10:40 SESSION 8  
MR Safety in patients, implants and contrast  
agents  
Chairs: Ms Petronella Samuels  
& Ms Nina Salman**
- 09:05-09:10 Welcome and Introduction**
- All presentations include 5 mins Q&A
- 09:10-09:40 Safety – patient (SAR issues etc.)  
**Ms Vera Kimbrell,  
Southern New Hampshire University, USA**
- 09:40-10:10 Implants  
**Dr Frank Shellock  
University of Southern California, USA**
- 10:10-10:40 Contrast agents  
**Ms Sonja Boiteaux  
ISMRT Past President, USA**
- 10:40-11:00 TEA**
- 11:00-13:00 SESSION 9  
Neuro-imaging & MR Spectroscopy Session  
Chairs: Prof. Sally Candy  
& Dr Shawna Farquharson**
- 11:00-11:30 Neurodegenerative diseases  
**Prof Adam Waldman  
University of Edinburgh, UK**
- 11:30-12:00 Imaging neoplasms  
– intracranial and spinal cord  
**Prof Sally Candy  
University of Cape Town, RSA**
- 12:00-12:30 Basics of MR spectroscopy – single and multivoxel  
**Ms Thao Tran  
Exelixis, Northern California, USA**
- 12:30-13:00 Use of MRS in a clinical setting  
**Dr Alexander Lin  
Harvard Medical School, USA**

**13:00-14:00 LUNCH**

- 14:00-16:00 SESSION 10:  
Musculoskeletal Imaging  
Chairs: Ms Nina Salman  
& Ms Petronella Samuels**
- 14:00-14:30 MSK - upper extremities  
**Mr Ben Kennedy  
University of Queensland, Australia**
- 14:30-15:00 MSK - lower extremities  
**Mr Ben Kennedy  
University of Queensland, Australia**

HALL C		MEETING ROOM 8&9	MEETING ROOM 11
14:50-15:15	Nuclear medicine and forensic imaging <b>Prof Mike Sathekge, Head- Nuclear Medicine, University of Pretoria, RSA</b>	14:03-14:06 <b>Poster Presentation 5:</b> The perceptions of diagnostic radiography clinical tutors transitioning from being radiographers to clinical educators in public hospitals in the Ethekwini District <b>Mr Vukani Siphwesihe Ncwane, KZN Department of Health, RSA</b>	15:00-15:30 Magic Angle Directional Imaging- Harnessing the Magic Angle Artefact for good <b>Dr Karyn Chappell Imperial College London, UK</b>
15:15-15:25	Cross-sectional imaging in forensic pathology, the dawn of a new era <b>Dr Aladdin Speelman, Cape Peninsula University of Technology, RSA</b>	14:06-14:09 <b>Poster Presentation 6:</b> A scoping review of the organisational barriers and facilitators to the implementation of best practice within forensic radiography practice <b>Mrs Fiona MacGregor, Newcastle University, UK</b>	15:30-16:00 Ghosting and Aliasing Artefact reduction - novel techniques <b>Dr Andrea Dell'Orso Ausl Toscana Centro, Italy</b>
15:25-15:35	Forensic radiography: objectives, ethics and pattern recognition <b>Mrs Khomotso Motiang, Sefako Makgatho Health Science University, RSA</b>	14:10-15:00 Education workshop: Postgraduate diplomas in radiography <b>Dr Florence Davidson, Cape Peninsula University of Technology, RSA</b>	
15:35-16:00	<b>Session 3   Free Papers Q&amp;A</b>	15:00-15:10 Perceptions of mammography and the need for awareness programmes at higher education institutions <b>Mrs Melissa Pillay, University of Johannesburg, RSA</b>	
		15:10-15:20 Radiography students achieving IPE competencies and graduate attributes <b>Mrs Ida-Keshia Sebelego, Central University of Technology, RSA</b>	
		15:20-15:30 For patients by patients: active involvement of patients in undergraduate diagnostic radiography students' education <b>Dr Riaan van de Venter, Nelson Mandela University, RSA</b>	
		15:30-15:40 Smart student engagement to facilitate holistic student success <b>Dr Lizel Hudson, Cape Peninsula University of Technology, RSA</b>	
		15:40-15:50 Stop-motion animation as a radiation protection teaching strategy <b>Dr Belinda Van Der Merwe, Central University of Technology, RSA</b>	
		15:50-16:00 <b>Session 6   Free Papers Q&amp;A</b>	
16:00-16:30	TEA	16:00-16:30 TEA	16:00-16:30 TEA
16:30-17:30	<b>SESSION 4 PREVALENT DISEASE PROFILES IN SOUTH AFRICA</b> <b>Chair: Ms Fatima Docrat</b>	16:30-17:30 <b>SESSION 7 POSTER PRESENTATIONS AND EDUCATION</b> <b>Chair: Ms Yanda Peters</b>	16:30-17:10 <b>SESSION 11 Case Study Presentations</b> <b>Chair: Dr Shawna Farquharson, Ms Petronella Samuels &amp; Ms Nina Salman</b>
16:30-16:50	The use of digital chest X-ray to improve tuberculosis case finding in primary healthcare and community setting <b>Mr Kgaugelo Moropane, FIND, RSA</b>	16:30-16:33 <b>Poster Presentation 7:</b> The advancements in Radiotherapy Imaging <b>Dr Melisa Pillay, Icon Oncology, RSA</b>	16:30-16:40 <b>Case Study 1:</b> Organisational barriers to the implementation of best practice within forensic radiography practice <b>Mrs Fiona MacGregor Newcastle University, UK</b>
16:50-17:10	HIV/AIDS – where are we at? <b>Prof Quarraisha Abdool Karim, Associate Scientific Director CAPRISA, University of KwaZulu-Natal, RSA</b>	16:33-16:36 <b>Poster Presentation 8:</b> Sonography students' experiences using simulation-based learning <b>Mr Geordean Schwartz, Cape Peninsula University of Technology, RSA</b>	16:40-16:50 <b>Case Study 2:</b> MRI during pregnancy: a necessity for improved maternal and child health <b>Mrs Khomotso Motiang Sefako Makgatho Health Science University, RSA</b>
17:10-17:30	Selfless service with respect to bringing health to vulnerable populations including radiography education in Africa <b>Dr Bhavya Rehani, President of Health4theworld, USA</b>	16:36-16:46 Student resilience and interpersonal interactions in diagnostic radiography <b>Ms Heidi Thomas, Cape University of Technology, RSA</b>	16:50-17:00 <b>Case Study 3:</b> An investigation into the performance of T2- and T1-weighted MR imaging with AI-assisted compressed sensing (ACS) in routine clinical settings <b>Dr Celeste Pretorius University of Pretoria, RSA</b>
		16:46-16:56 Perceptions of diagnostic radiography students on a model for simulation-based learning for clinical readiness <b>Mrs Lynne Hazell, University of Johannesburg, RSA</b>	17:00-17:10 <b>Case Study 4:</b> Diagnostic confidence in MRI of subependymal giant cell astrocytoma <b>Mrs Khomotso Motiang Sefako Makgatho Health Science University, RSA</b>
		16:56-17:06 Creating inclusive and affirming environments for sexual and gender minority patients <b>Dr Riaan van de Venter, Nelson Mandela University, RSA</b>	17:10-17:15 Closing remarks <b>Programme Chair</b>
		17:06-17:16 Peer-assisted learning: enhancing students' achievement and competency during clinical training <b>Dr Jeanetta du Plessis, Central University of Technology, RSA</b>	
		17:16-17:30 <b>Session 7   Free Papers Q&amp;A</b>	
18:00	WELCOME FUNCTION	18:00 WELCOME FUNCTION	18:00 WELCOME FUNCTION

**HALL C**

**MEETING ROOM 11**

**08:00-10:00** **SESSION 12**  
**ETHICS & MEDICO-LEGAL**  
**CONSIDERATIONS**  
**Chair: Ms Janetha du Toit**

**08:00-08:25** UNESCO AI Guidelines - an ethical perspective  
**Prof Ames Dhai, Chair: International Bioethics Committee, UNESCO, RSA**

**08:25-08:50** The ethics of student involvement in medical training  
**Dr Malcolm de Roubaix, Chair: Health Research Ethics Committee, Stellenbosch University, RSA**

**08:50-09:15** Imaging of the paediatric patient - an ethical perspective  
**Prof Sharon Kling, Paediatrics, Stellenbosch University, RSA**

**09:15-09:25** Knowledge, clinical competencies and medico-legal responsibilities required by diagnostic radiographers for image interpretation of radiographs  
**Ms Reshel Budhu, Durban University of Technology, RSA**

**09:25-09:35** The voice of the vulnerable: a situational analysis into fetal dosimetry among pregnant radiographers in South Africa  
**Mrs Hafsa Essop, University of Pretoria, RSA**

**09:35-09:45** Evaluating technostress amongst radiographers in Gauteng  
**Mr Thulani Kwinana, Milpark Radiology, RSA**

**09:45-09:55** Perspectives of referring doctors on the quality of radiology services in the eThekweni health district  
**Dr Nkululeko Gam, Durban University of Technology, RSA**

**09:55-10:00** **Session 12 | Free Papers Q&A**

**08:00-08:15** **Welcome Day 2**

All presentations include 5 mins Q&A

**08:15-10:15** **SESSION 15**  
**Advanced Neuroimaging techniques**  
**Chairs: Ms Petronella Samuels & Ms Nina Salman**

**08:15-08:45** Diffusion-weighted/tensor imaging  
**Dr Shawna Farquharson**  
**Aus National Imaging Facility, Australia**

**08:45-09:15** DWI in the spine  
**Dr Samira Bouyagoub**  
**University of Sussex, Brighton, UK**

**09:15-09:45** fMRI – physics and how to interpret it  
**Dr Shawna Farquharson**  
**Aus National Imaging Facility, Australia**

**09:45-10:15** DTI/fMRI used for surgical planning: case presentation  
**Dr Sally Rothemeyer**  
**University of Cape Town, RSA**

**10:00-10:30** **TEA**

**10:15-10:45** **TEA**

**10:30-12:30** **SESSION 13**  
**RESEARCH**  
**Chair: Dr Lizel Hudson**

**10:30-10:55** Research & clinical audit  
**Dr Aarthi Ramlaul, Associate Prof, Buckinghamshire New University, UK**

**10:55-11:20** Role of MRC in research in SA  
**Prof Glenda Gray, President, Medical Research Council, RSA**

**11:20-11:45** ISRRT- taking the profession into the future  
**Mrs Elizabeth Balogun, ISRRT Regional Director-Africa, Nigeria**

**11:45-11:55** Computed tomography image quality analysis using reverse engineering for prostheses design  
**Dr Henra Muller, Central University of Technology, RSA**

**10:45-12:30** **SESSION 16**  
**Cardiovascular Imaging**  
**Chairs: Dr Shawna Farquharson & Ms Petronella Samuels**

**10:45-11:15** Cardiovascular imaging – challenges and limitations  
**Ms Sarah Green**  
**Pacific Radiology, New Zealand**

**11:15-11:45** Cardiovascular stress perfusion imaging  
**Dr Kevin Steel**  
**PeaceHealth Northwest, USA**

**11:45-12:15** The fundamentals of cardiac spectroscopy  
**Dr Lidia Szczepaniak**  
**University of Texas, USA**

**12:15-12:30** **Session 16 | Free Papers Q & A**

## HALL C

## MEETING ROOM 11

- 11:55-12:05 Modulation of cardiovascular function by Rooibos in adults at risk for cardiovascular disease  
**Mrs Maria Diana Hartnick, Cape Peninsula University of Technology, RSA**
- 12:05-12:15 Informed measures of person centred care: South African perspective  
**Dr Kathleen Naidoo, Cape Peninsula University of Technology, RSA**
- 12:15-12:25 Quality management and uncertainties in head and neck radiotherapy  
**Mrs Theresa Binz, Tawam Hospital, UAE**
- 12:25-12:30 **Session 13 | Free Papers Q&A**
- 12:30-12:50 **Sorsa Open Meeting**

12:30-12:50 **Sorsa Open Meeting**12:50-13:30 **LUNCH**12:50-13:30 **LUNCH**

- 13:30-15:30 **SESSION 14  
SAFETY CULTURE**  
**Chair: Ms Johanna Palmer**
- 13:30-13:55 Radiation safety culture in healthcare  
**Dr Bernard le Guen, Executive Officer, International Radiation Protection Association, USA**
- 13:55-14:20 Imaging and interventional radiology: what's next?  
**Dr Ebrahim Kader, Morton & Partners Radiologists, RSA**
- 14:20-14:45 Sonographer practice: barriers, challenges and opportunities  
**Prof Gill Harrison, Ultrasound Professional Officer, Society and College of Radiographers, UK**
- 14:45-15:10 Focused ultrasound - state of the field and future applications  
**Dr Jessica Foley, Focused US Foundation, USA**
- 15:10-15:20 Establishing ionising radiation safety culture during interventional cardiovascular procedures  
**Dr Belinda Van Der Merwe, Central University of Technology, RSA**
- 15:20-15:30 **Session 14 | Free Papers Q&A**
- 15:30-16:00 **CLOSING REMARKS:**  
**Dr Riaan van de Venter | SORSA President**
- Dr Fozy Peer | SORSA & ISMRT 2023 Congress Convenor**

- 14:00-15:25 **SESSION 17  
New Developments in MRI**  
**Chairs: Dr Shawna Farquharson & Ms Nina Salman**
- 14:00-14:25 Body imaging  
**Mr Jigimon Cherian  
Sultan United Medical Company, Kuwait**
- 14:30-14:55 Female pelvis  
**Dr Maja Wojno  
University of Cape Town, RSA**
- 15:00-15:25 The future of MRI (AI)  
**Dr Daniel Sodickson  
New York University, USA**
- 15:30-16:00 **CLOSING REMARKS:**  
**Dr Riaan van de Venter | SORSA President**
- Dr Fozy Peer | SORSA & ISMRT 2023 Congress Convenor**