



Faculty of Health Sciences RESEARCH FORUM

2022

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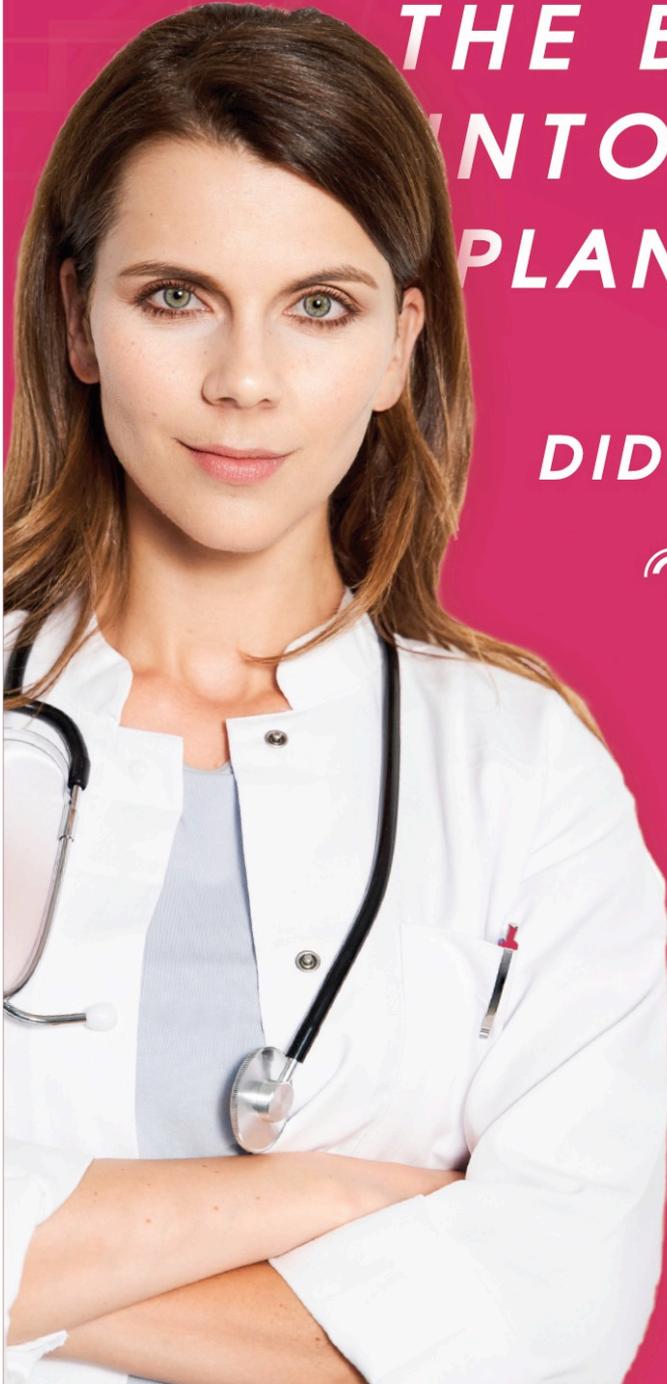
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FACULTY OF HEALTH SCIENCES 53rd RESEARCH FORUM

25 AND 26 AUGUST 2022

On behalf of the organising committee, we would like to extend a warm welcome to all presenters, participants, and guests of the 53rd Faculty of Health Sciences Research Forum. We would also like to express our sincere gratitude to the external evaluators as well as the FP Retief Speaker.

The Faculty of Health Sciences Research Forum is one of the most notable events on the faculty calendar and continues to affirm the value of high-quality research. Furthermore, it serves as a valuable platform to showcase the research being conducted in the Faculty of Health Sciences while giving exposure to the staff and postgraduate students presenting their research to an audience of their peers.

Building on the success of previous meetings, the 2022 Faculty Research Forum promises to deliver several notable guest lectures with many high-quality clinical, laboratory and educational oral and poster presentations.

We are looking forward to an excellent forum with you.

The Faculty Research Forum Organising Committee

Message from Professor GJ van Zyl Dean Faculty of Health Sciences

Welcome, welcome, welcome to the 53rd Faculty Research Forum. It is great to be back after almost two years. In the aftermath of the pandemic, it is energising to have a Faculty Forum once again. I look forward to engaging with you on the important research you have done over the past few years.



Thank you to the organising committee for all their efforts in making this year a success. We are deeply indebted to them for their effort and demanding work behind the scenes. Thank you to each researcher who will present this year for investing the time and effort to participate in this prestigious research event. You have taken us to new heights and for that, we salute you.

A special word of thanks to all the administrative and support staff that worked tirelessly behind the scenes to make this event possible. To the donors, sponsors and the Faculty community at large. Thank you!

A warm welcome is extended to Prof Solomon Rataemane, the presenter of the 2022 FP Retief Lecture. Thank you for presenting this special event.

We are grateful to have three highly distinguished external adjudicators attending, Prof Ellie Grossman (WSU), Prof Pragashnie Naidoo (UKZN) and Dr Tracey Wiggill (WITS). Thank you for contributing to this special event.

The annual Faculty Research Forum is one of the most notable highlights of the Faculty of Health Sciences calendar at the University of the Free State. It is my pleasure to thank each for presenting your research, attending the paper and poster presentations, or contributing to the success of the Forum in any other way. Please also attend the session that presents the student winners of 2022. It is a highlight that justly deserves the attention of all Faculty members. Your attendance at this session gives our students the recognition they deserve.

I will be opening the Faculty Forum of 2022 with the topic, "Do you see what you are supposed to see?"

Finally, I would like to reiterate the invitation to attend the FP Retief Lecture and the presentations by our external evaluators. May the Forum be a rewarding experience.

Welcome to all and enjoy the 2022 Forum!



Prof GJ van Zyl



HEALTH SCIENCES
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Faculty of Health Sciences Research Forum 2022

EXTERNAL ADJUDICATORS

CLINICAL EXTERNAL ADJUDICATOR

Prof Ellie Grossmann



Elly Grossman is a life scientist, electron microscopist and researcher who works in the health sciences. She spent many years running the first accredited Research Techniques Course at the Faculty of Health Sciences, University of the Witwatersrand. She was instrumental in establishing the first postgraduate supervision training at the University. Together with Prof Nigel Crowther, Prof Grossmann started the Supervisor Support Group that provided an informal discussion group for experienced and novice supervisors to share skills, exchange ideas, listen to talks by guest speakers and discuss university higher degree policies, among others. She is currently providing research support and supervisor training to specialist registrars (trainees) and their supervisors at the Port Elizabeth and East London Health Resource Centres, which fall under the Faculty of Health Sciences of Walter Sisulu University. Research training and supervisor support within the Health Sciences has been, and remains, a continual fascination and rich source of research and publication.

LABORATORY EXTERNAL ADJUDICATOR

DR TRACEY WIGGILL

Dr Tracey Wiggill is a Principal Haematopathologist and Head of Division: Somatic Cell Genetics (Department of Molecular Medicine and Haematology, National Health Laboratory Service and University of the Witwatersrand). She has extensive experience and expertise in diagnostic haematology with an emphasis on genetics, molecular diagnostics and immunophenotyping of haematological malignancies. She recently headed the Somatic Cell Genetics Unit, is actively involved in next-generation sequencing and molecular diagnostic haematology. She is involved in teaching and training at all levels as well as research and development. Major research interests include HIV-associated haematology and molecular diagnostics of haematological malignancies.



EDUCATIONAL EXTERNAL ADJUDICATOR

Prof Pragashnie Naidoo



Prof Pragashnie Naidoo is an Associate Professor of Occupational Therapy in the School of Health at UKZN. She completed a SAFRI-FAIMER Fellowship in Health Professions Education in 2018 and has a PG Diploma in Health Professions Education and Leadership. She is involved in undergraduate and postgraduate research supervision. Her research focuses on client-and family-centred care, health practitioners and health professions education. She has over 80 publications and has supervised approximately 40 postgraduate students to completion.

She is a NRF Y-rated researcher. She won the NRF Research Excellence Award for Next Generation Researchers in 2016, was runner up in the Department of Science and Innovation South African Women in Science Awards in 2018, was a finalist in the TW Kambule-Emerging Researcher category in the National Science and Technology -South-32 Awards in both 2020 and 2022 and won the NRF Research Excellence Award for Early Career Researchers in 2021.

28th FP RETIEF LECTURE

Speaker:

Professor Solomon Rataemane



Prof Rataemane is a former President of the African Psychiatric Association and Allied Professions (2014 – 2016). A former head of the Department of Psychiatry at Sefako Makgatho Health Sciences University (2003-2019) and a former Head of the Department of Psychiatry at the University of the Free State (1998-2003). He was a board member and WPA Representative for Zone 14 of World Psychiatric Association (WPA) (2008 – 2014) and chair of the WPA Section on Conflict Management and Conflict Resolution (2011 to 2014).

He has special interest in child psychiatry, mood disorders and addiction medicine and has served as deputy chairperson and chairperson of the Central Drug Authority of South Africa from 1995 to 2005. He served as Deputy Chair of the Medical Research Council of South Africa (2007 – 2010). He is a member of the College of Psychiatrists of the Colleges of Medicine of South Africa, World Association for Psychosocial Rehabilitation (Africa Regional Vice President), American Psychiatric Association (International Fellow), International Council on Alcohol and Addictions (Member of management committee). He is chief psychiatrist at Dr George Mukhari Academic Hospital. He trained in Child and Adolescent Psychiatry at the Institute of Psychiatry (Maudsley Hospital) in the United Kingdom (1988).

Prof Rataemane has recently been appointed as member and chairperson of the Ministerial Advisory Committee on Mental Health in South Africa.

FP RETIEF LECTURE
28 YEARS OF SPEAKERS

1995 - Dr C Slabber

1996 - Prof T Bothwell

Is dietary iron overload still a problem in South Africa?

1997 - Prof DJ Ncayiyana

Meeting the Higher Education Challenges in the 21st Century.

1998 - Prof S Kallichurum

Ethics: New Challenges

1999 - Prof RC Franz

Veneuse Trombogenese – Eenhonderd jaar na Virchow. 'n Terugblik met waardering.

2000 - Prof J Terblanche

Academic advances in biliary tract surgery: A Cape Town perspective

2001 - Prof JV van der Merwe

Kwessies van Gesondheidsorg

2002 - Dr MW Makgoba

The impact of HIV/AIDS in South Africa

2003 - Prof FP Retief

Prof CJ Nel's career span in the faculty

2004 - Prof A du P Heyns

Blood Safety

2005 - Prof Benatar

Trends in Bioethics: A Review

2006 - Prof B Mayosi

Quality Assurance: the fourth pillar of academic Medicine

2007 - Prof HH Vorster

Nutrition in South Africa: from Research to Policy

2008 - Prof MJ Viljoen

Bestuur vir Navorsing in 'n Fakulteit Gesondheidswetenskappe

2009 - Prof PN Badenhorst

Keeping the Research flame burning

2010 - Prof LR Uys

Challenges of Higher Education in South Africa

2011 - Prof EWW Sonnendecker

The Omnipotence of Vitamin K

2012 - Prof DJV Weich

Motivating and strengthening research in our Faculty of Health Sciences, UFS

2013 - Prof JD Jansen

The politics and epistemology of the healing sciences in South Africa

2014 - Prof J Volmink

Reflections on the Social Determinants of Health Research Outputs

2015 - Prof H Klopper

Global trends in health care: Implications for research, education, and policy

2016 - Prof B Morrow

Bridging the gap: Integrating research and clinical care in South Africa

2017 - Prof J Pettifor

Bone mass and fractures in South African children

2018 - Prof T Pillay

New diagnostic probes for laboratory medicine using nanobodies and next generation technology

2019 - Prof L Rispel

Building Scholarship and Capacity for Universal Health Coverage

2021 - Prof E Wentzel Viljoen

The South African Salt Story

**Faculty of Health Sciences Research Forum 2022
ORGANISING COMMITTEE**

Chair	Dr Robyn Smith
Vice chair	Dr Quinton Meyer
Dean	Prof Gert van Zyl
Vice-Dean Research	Prof Joyce Tsoka-Gwegweni
Faculty administration	Ms Marlene Viljoen
Liaison officer	Mr Reuben Maeko
Research Administration	Ms Petunia Ranthamane
School of Clinical Medicine	Dr Anton van Aswegen
School of Pathology	Mr Jean Klopper
School of Biomedical Sciences	Dr Quinton Meyer
School of Health and Rehabilitation Sciences	Dr Robyn Smith
School of Nursing	Dr Melanie Pienaar
Chair Clinical Internal Committee	Dr Roline Barnes
Chair Laboratory Internal Committee	Ms Sandhya Sreenivasan Tantuan
Chair Educational internal Committee	Ms Monique Strauss
Chair Student Forum	Dr Petra Maass

EVALUATION COMMITTEES

CLINICAL

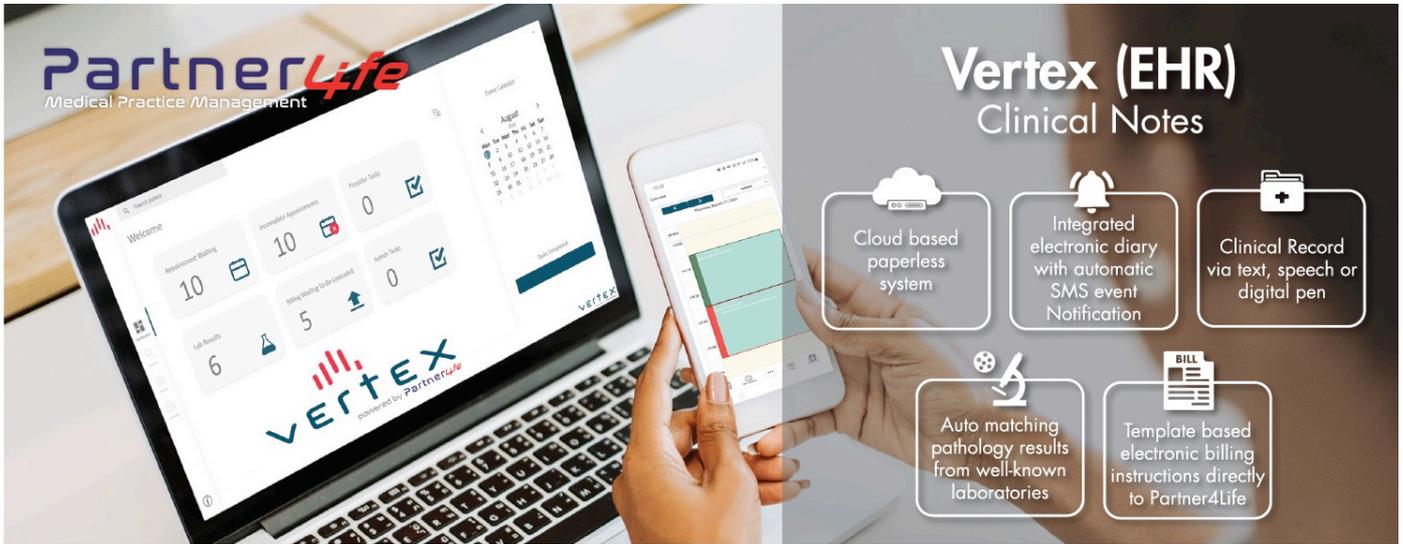
Internal evaluation committee	Dr Claire Armour (chair) Dr Michael Pienaar Ms Cherezane Stander Dr Roline Barnes
External adjudicator	Prof Ellie Grossman (Walter Sisulu University)
External adjudicators of research articles	Prof Ellie Grossman (Walter Sisulu University) Prof Romy Parker (University of Cape Town) Prof Delva Shamley (University of Cape Town)

LABORATORY

Internal evaluation committee	Ms Sandhya Sreenivasan Tantuan Mr Jean Klopper Dr Matlakala Ntsapi
External adjudicator	Dr Tracey Wiggill (University of Witwatersrand)
External adjudicators of research articles	Dr Tracey Wiggill (University of Witwatersrand) Dr Ramya Nandakumar (Aarhus University, Denmark) Prof Anna-Mart Engelbrecht (University of Stellenbosch)

EDUCATIONAL

Internal evaluation committee	Ms Monique Strauss Chair Dr Arnelle Mostert Ms Anna-Marie Welman
External adjudicator	Prof Pragashnie Naidoo (University of KwaZulu-Natal)
External adjudicators of research articles	Prof Pragashnie Naidoo (University of KwaZulu-Natal) Prof Joanne Naidoo (Nelson Mandela University) Professor Portia J Jordan (University of Stellenbosch)



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**PRIZE WINNERS OF RESEARCH ARTICLES
2022**

John van der Riet Medal Winner

A Kruger, M Strauss and M Visser

Department of Occupational Therapy, School of Health and Rehabilitation Sciences, UFS
In-hand manipulation assessment instruments for children: A scoping review

Muller Potgieter Medal Winner

J Joubert, SM Meiring, C Conradie, S Lamprecht and WJ Janse van Rensburg

Department of Haematology and Cell Biology, School of Pathology, UFS
The effects of streptokinase in a Chacma baboon (Papio ursinus) model of acquired thrombotic thrombocytopenic purpura

Kerneels Nel Medal Winner

CN Nyoni, L Hugo-Van Dyk and Y Botma

School of Nursing, UFS
Clinical placement models for undergraduate health professions students: A scoping review

ACKNOWLEDGEMENT OF PARTICIPATING COMPANIES

We express our sincere thanks to the companies mentioned below for their financial support and valued participation in the 2022 Faculty of Health Sciences Faculty Research Forum of the University of the Free State.

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None

PLATINUM

Faculty Management Committee, Faculty of Health Sciences

Prof C Witthuhn, Vice-Rector: Research, University of the Free State

EXHIBITORS

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Life Rosepark Hospital

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The Scientific Group

SSEM Mthembu Medical

Rhythm financial

PROGRAMME THURSDAY, 25 AUGUST 2022			
KINE 1			
SESSION 1 08h00-08h30	<u>Chairperson:</u> <i>Dr Robyn Smith</i> Opening Lecture: Prof GJ van Zyl <i>"Do you see what you are supposed to see?"</i>		
SESSION 2 08h35-10h05	KINE 1 Clinical Papers	KINE 2 Laboratory Papers	KINE 3 Educational Papers
	<u>Chairperson</u> <i>Prof Alicia Sheriff</i>	<u>Chairperson</u> <i>Prof Chris Viljoen</i>	<u>Chairperson</u> <i>Prof Corlia J van Vuuren</i>
<i>08h35-08h50</i>	CR1 Agbo Samuel Ehinehi	LR1 Ezra Anirudh	ER1 Arnelle Mostert
<i>08h50-09h05</i>	CR2 Marnus Booysens	LR2 Liska Budding	ER2 Maryna Hattingh
<i>09h05-09h20</i>	CR3 Frederik Claassen	LR3 Herkulaas Combrink	ER3 Roné Vorster-de Wet
<i>09h20-09h35</i>	CR4 Etienne Earle	LR4 Jen-Marié Grové	ER4 Cynthia Spies
<i>09h35-09h50</i>	CR5 Lomari Geertsema	LR5 Jaco Joubert	ER5 Hannes Steinberg
<i>09h50-10h05</i>	CR6 Veneshree Govender	LR6 Paul Kgoare	ER6 Dirkie Swinfen
10h05-10h25	TEA		
KINE 1			
SESSION 3 10h25-10h55	<u>Chairperson:</u> <i>Dr Claire Armour</i> Invitation Lecture: Prof Ellie Grossman (WSU) <i>"Survival or Spoon-feeding? Suggestions for Supervisors and Students"</i> https://eu.bbcollab.com/guest/3b64f0fc1a8648079e8989af7d321ca3		
SESSION 4 11h00-13h00	KINE 1 Clinical Papers	KINE 2 Laboratory Papers	KINE 3 Educational Papers
	<u>Chairperson:</u> <i>Dr Lucia Meko</i>	<u>Chairperson:</u> <i>Dr Quinton Meyer</i>	<u>Chairperson:</u> <i>Prof Lynette vd Merwe</i>
<i>11h00-11h15</i>	CR7 Marizeth Jordaan	LR7 Angélique Lewies	ER7 Maryna Hattingh
<i>11h15-11h30</i>	CR8 Charles Kotze	LR8 Jaco Joubert	ER8 Mashudu Rabambi
<i>11h30-11h45</i>	CR9 Annelize Kruger	LR9 Matefo Litabe	
<i>11h45-12h00</i>	CR10 William Mhundwa	LR10 Nosipho Masoto	
<i>12h00-12h15</i>	CR11 James Ndirangu	LR11 Muriel Meiring	
<i>12h15-12h30</i>	CR12 Liska Robb	LR12 Dorah Notani	
<i>12h30-12h45</i>	CR13 Joseph Sempa	LR13 Kholiwe Ntaita	
<i>12h45-13h00</i>	CR14 Zothile Skosana	LR14 Claudia Ntsapi	
13h00-13h45	LUNCH		

KINE 1	
SESSION 5 13h45-14h30	<p><u>Chairperson: Prof Gert van Zyl</u></p> <p>FP Retief Lecture: Prof Solomon Rataemane <i>“Burnout: A key factor among health care practitioners “</i></p> <p>https://eu.bbcollab.com/guest/c9655c018a394bdcbaca505cb7613e</p>
SESSION 6 14h40-15h25	<p><u>Chairperson: Dr Petra Maass</u></p> <p>BEST STUDENT PAPERS</p>
14h40-14h55	School of Health and Rehabilitation Sciences
14h55-15h10	School of Nursing
15h10-15h25	School of Medicine
15h25-15h45	TEA
SESSION 7 15h45-16h00	POSTER PRESENTATIONS
<p>CLINICAL POSTERS</p> <p><u>Chairperson: Dr Melanie Pienaar</u></p>	
15h45-15h50	CP1 Sithembiso Ndlovu
15h50-15h55	CP2 Minette Devenier
15h55-16h00	CP3 Lucia Meko
16h00-16h05	CP4 Monique de Milander
16h05-16h10	CP5 Elimine du Toit
<p>LABORATORY POSTERS</p> <p><u>Chairperson: Dr Jaco Joubert</u></p>	
16h10-16h15	LP1 Ayodeji Emmanuel Ogunbayo
16h15-16h20	LP2 Teboho Tiiti
<p>EDUCATIONAL POSTERS</p> <p><u>Chairperson: Dr Anke van der Merwe</u></p>	
16h25—16h30	EP1 Isabella du Preez

PROGRAMME FRIDAY, 26 AUGUST 2022		
KINE 1		
SESSION 8 08h00-08h30	<p><u>Chairperson:</u> Mrs Monique Strauss</p> <p>Invitation Lecture: Prof Pragashnie Naidoo (UKZN) <i>“Cultivating Ethical Dispositions in Professional Practice: Insights from a study with OT Students “</i></p> <p>https://eu.bbcollab.com/guest/7239d73d78324f4ea3fd1665835081b6</p>	
SESSION 9 08h35- 10h05	KINE 1 Clinical Papers	KINE 2 Laboratory Papers
	<u>Chairperson:</u> Dr Jeanette Sebaeng	<u>Chairperson:</u> Prof Felicity Burt
08h35-08h50	CR15 Ermi Spies	LR15 Cameron Ogden
08h50-09h05	CR16 Catharina Taute	LR16 Jaco Oosthuizen
09h05-09h20	CR17 Louise van den Berg	LR17 Hané Pieters
09h20-09h35	CR18 Sanet van Zyl	LR18 Tumelo Sekee
09h35-09h50	CR19 Corinna Walsh	LR19 Gert Terblanche
09h50-10h05	CR20 Jané Welman	LR20 Nerina van der Merwe
10h05 – 10h35	TEA	
SESSION 10 10h35-11h35	KINE 1 Clinical Papers	KINE 2 Laboratory Papers
	<u>Chairperson:</u> Dr Nomakhuwa Tabane	<u>Chairperson:</u> Prof Martin Nyaga
10h35-10h50	CR21 Teluleko Maseko	LP21 Anneke Van der Spoel Van Dijk
10h50-11h05	CR22 Johannita Cox	LP22 Christopher Viljoen
11h05-11h20		LP23 Siewert Wiid
11h20 -11h35		LP24 Walter Janse van Rensburg
KINE 1		
SESSION 11 11h40-12h10	<p><u>Chairperson:</u> Mrs Sandhya Sreenivasan Tantuan</p> <p>Invitation Lecture: Dr Tracey Wiggill (WITS) <i>“Using next generation sequencing to resolve challenging diagnoses: The story of a patient with atypical mycobacterial infection”</i></p> <p>https://eu.bbcollab.com/guest/688253ba493042a9a696ff24e0416302</p>	

12h10-13h10	LUNCH	
KINE 1		
SESSION 12 13h15-14h00	<i>Chairperson: Prof Joyce Tsoka-Gwegweni</i> Reflections: External Evaluators	
<i>13h15-13h30</i>	Reflection Clinical External Adjudicator	Prof Ellie Grossman
<i>13h30 -13h45</i>	Reflection Educational External Adjudicator	Prof Pragashnie Naidoo
<i>13h45-14h00</i>	Reflection Laboratory External Adjudicator	Dr Tracey Wiggill
14h00 – 14h15	CLOSURE <i>Prof Joyce Tsoka-Gwegweni</i>	
KINE 1 ANNOUNCEMENT OF WINNERS Online live streaming: https://eu.bbcollab.com/guest/0eb1c764127e49d5996f6eb94e4f6722		
15h00	Announcement of Winners and handing over of prizes to winners in person <i>Prize winners will be notified by Ms Petunia Ranthamane and are encouraged to attend the prize giving in person.</i>	



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PRESENTATIONS THURSDAY, 26 AUGUST 2022

- Session 2 Kine 1 CR-1 **ENDOASCULAR VERSUS OPEN SURGICAL REPAIR FOR INFRARENAL ABDOMINAL AORTIC ANEURYSMS: A COST ANALYSIS IN A CENTRAL AFRICAN TERTIARY ACADEMIC CENTER**
Presenter: Agbo Samuel Ehinehi
Authors: AS Ehinehi¹ and A Malan¹
Department: Department of General Surgery, UFS
- Session 2 Kine 1 CR-2 **PREVALENCE OF VITAMIN D DEFICIENCY AMONGST ANESTHESIA PROVIDERS AT THE UNIVERSITAS ACADEMIC HOSPITAL COMPLEX**
Presenter: Marnus Booyens
Authors: M Booyens¹ and BJS Diedericks¹
Department: Department of Anaesthesiology, UFS
- Session 2 Kine 1 CR-3 **ANASTOMOTIC URETHROPLASTY WITH DOUBLE LAYER CONTINUOUS RUNNING SUTURE RE-ANASTOMOSIS VERSUS INTERRUPTED SUTURE RE-ANASTOMOSIS FOR INFECTIVE BULBAR URETHRAL STRICTURES: A PROSPECTIVE RANDOMIZED TRIAL**
Presenter: Frederik Claassen
Authors: FM Claassen¹; FE Martins; SBA Mutambirwa; L Potgieter; L Botes; HF Kotze and Smit FE
Departments: Department of Urology UFS¹
Department of Cardiothoracic Surgery, UFS²
Department of Health and Environmental Sciences, UFS³
- Kine 1 CR-4 **POSTOPERATIVE PULMONARY COMPLICATIONS IN ADULT SURGICAL PATIENTS IN LOW- AND MIDDLE-INCOME COUNTRIES: A SYSTEMATIC REVIEW AND META-ANALYSIS.**
Presenter: Etienne Earle
Authors: E Earle¹; EW Turton¹ and Rodseth²
Departments: Department of Anaesthesiology, UFS¹
Department of Anaesthesiology, UKZN²
- Session 2 Kine 2 CR-5 **PREVALENCE OF PRIMARY HIV-ASSOCIATED THROMBOCYTOPENIA IN A CENTRAL SOUTH AFRICAN POPULATION.**
Presenter: Lomari Geertsema
Authors: L Geertsema¹; AC van Marle^{2,3} and WJ Janse van Rensburg¹
Departments: Human Molecular Biology Unit, School of Biomedical Sciences, UFS¹
Department of Haematology and Cell Biology, School of Pathology, UFS²
National Health Laboratory Service, Universitas Academic Business Unit³
- Session 2 Kine 2 CR-6 **THE PREVALENCE OF PARENTAL ANXIETY IN THEATRE, AT UAH**
Presenter: Veneshree Govender
Authors: V Govender¹; NP Wessels¹ and R Nel²
Departments: Department of Anaesthesiology, UFS¹
Department of Biostatistics, UFS²
- Session 2 Kine 2 LR-1 **AN ANATOMICAL PERSPECTIVE OF THE HISTOLOGICAL PREVALENCE OF INTRACRANIAL MENINGIOMAS WITHIN A SELECT SOUTH AFRICAN POPULATION**
Presenter: Ezra Anirudh
Authors: EE Anirudh¹, R Harrichandparsad² and L Lazarus³
Departments: Department of Basic Medical Sciences, UFS¹
Department of Neurosurgery, Inkosi Albert Luthuli Central Hospital, Durban, South Africa²
Department of Clinical Anatomy, College of Health Sciences, UKZN³

Session 2	Kine 2 08h50	LR-2	<p>QUANTIFICATION OF THE REFERENCE RANGE OF EOSINOPHILS IN THE UPPER GASTROINTESTINAL TRACT OF ADULTS IN THE FREE STATE PROVINCE, SOUTH AFRICA</p> <p><i>Presenter:</i> Liska Budding</p> <p><i>Authors:</i> L Budding¹, J Duncan¹, G Joubert², J Goedhals¹</p> <p><i>Departments:</i> Department of Anatomical Pathology, UFS¹ Department of Biostatistics, UFS²</p>
Session 2	Kine 2 09h05	LR-3	<p>MISSING INFORMATION IN BREAST CANCER CLASSIFICATION</p> <p><i>Presenter:</i> Herkulaas Combrink</p> <p><i>Authors:</i> H Combrink¹; R Katarya²; K de Wet¹; NC van der Merwe³; and MH Motloug¹</p> <p><i>Departments:</i> Centre for Digital Futures, UFS¹ Computer Science Delhi Technological University India² Human Genetics, UFS³</p>
Session 2	Kine 2 09h20	LR-4	<p>OPTIMISATION OF AN HRM SCREENING METHOD AND DETECTION OF TP53 GENE VARIANTS IN HAEMATOLOGICAL MALIGNANCIES IN A CENTRAL SOUTH AFRICAN POPULATION</p> <p><i>Presenter:</i> Jen-Marié Grové</p> <p><i>Authors:</i> J-M Grové¹; J Kloppers^{1,2}; A van Marle^{1,2} and A de Kock^{1,2}</p> <p><i>Departments:</i> Department of Haematology and Cell Biology, School of Pathology, UFS¹ National Health Laboratory Service, Universitas Academic Business Unit, Bloemfontein²</p>
Session 2	Kine 2 09h35	LR-5	<p>THE <i>IN VITRO</i> PLASMINOGEN ACTIVATION POTENTIAL OF STREPTOKINASE VS. ALTEPLASE, IN A <i>PAPIO URSINUS</i> MODEL OF ACQUIRED THROMBOTIC THROMBOCYTOPENIC PURPURA</p> <p><i>Presenter:</i> Jaco Joubert</p> <p><i>Authors:</i> J Jaco^{1,2}; M Meiring^{1,2} and W Janse Van Rensburg³</p> <p><i>Departments:</i> Department of Haematology and Cell Biology, School of Pathology, UFS National Health Laboratory Service, Universitas Academic Laboratories² Human Molecular Biology Unit, School of Biomedical Sciences, UFS³</p>
Session 2	Kine 2 09h50	LR-6	<p>SCREENING PROSTATE CANCER PATIENTS FOR VARIANTS IN THE HOMOLOGOUS DNA REPAIR GENES</p> <p><i>Presenter:</i> Paul Kgoare</p> <p><i>Authors:</i> J Oosthuizen, P Kgoare¹, H Combrink², KS Ntaita¹ and NC van der Merwe¹</p> <p><i>Departments:</i> Human Genetics, National Health Laboratory Service¹ Interdisciplinary Centre for Digital Futures, UFS²</p>
Session 2	Kine 3 08h35	ER-1	<p>DOES RESIDING ON- OR OFF-CAMPUS MAKE A DIFFERENCE TO FIRST-YEAR HEALTH SCIENCES STUDENTS' QUALITY OF LIFE?</p> <p><i>Presenter:</i> Arnelle Mostert</p> <p><i>Authors:</i> A Mostert¹; MP Jama²; G Joubert³ and LJ van der Merwe⁴</p> <p><i>Departments:</i> Basic Medical Sciences, UFS¹ Student Learning and Development, Faculty of Health Sciences, UFS² Department of Biostatistics, UFS³ Health Sciences Education, Faculty of Health Sciences, UFS⁴</p>
Session 2	Kine 3 08h50	ER-2	<p>NO PPE POLICY, AM I PROTECTED?</p> <p><i>Presenter:</i> Maryna Hattingh</p> <p><i>Authors:</i> MGM Hattingh¹ and MJ Labuschagne²</p> <p><i>Departments:</i> School of Nursing, UFS¹ Clinical Simulation and Skills Unit, School of Biomedical Sciences, UFS²</p>

Session 2	Kine 3 09h05	ER-3	<p>STUDENT SELF-EFFICACY IN THE TEACHING AND LEARNING ENVIRONMENT OF UNDERGRADUATE NATURAL SCIENCES</p> <p><i>Presenter:</i> Roné Vorster-de Wet</p> <p><i>Authors:</i> PC Vorster-de Wet¹; LJ Van der Merwe² and L Nel³</p> <p><i>Departments:</i> Department of Basic Medical Sciences, UFS¹ Health Sciences Education, Faculty of Health Sciences, UFS² Department of Psychology, UFS³</p>
Session 2	Kine 3 09h20	ER-4	<p>Simulation-based debriefing research trends in nursing education</p> <p><i>Presenter:</i> Cynthia Spies</p> <p><i>Authors:</i> C Spies¹ and A Welman¹</p> <p><i>Department:</i> School of Nursing, UFS¹</p>
Session 2	Kine 3 09h35	ER-5	<p>Twenty years of undergraduate medical student research at the UFS</p> <p><i>Presenter:</i> Hannes Steinberg</p> <p><i>Authors:</i> G Joubert¹; WJ Steinberg²; FC van Rooyen¹ and R van Zyl³</p> <p><i>Departments:</i> Department of Biostatistics, UFS¹ Department of Family Medicine, UFS² Department of Paediatrics and Child Health, UFS³</p>
Session 2	Kine 3 09h50	ER-6	<p>Are undergraduate medical students prepared for the difficult skill of disclosing medical errors?</p> <p><i>Presenter:</i> Dirkie Swinfen</p> <p><i>Authors:</i> D Swinfen¹; MJ Labuschagne¹ and G Joubert²</p> <p><i>Departments:</i> Clinical Simulation and Skills Unit, School of Biomedical Sciences, UFS¹ Department of Biostatistics, UFS²</p>
Session 4	Kine 1 11h00	CR-7	<p>BIRTH OUTCOMES OF NEONATES BORN TO MOTHERS WHO RECEIVED ANTENATAL CARE AT A REGIONAL HOSPITAL IN URBAN SOUTH AFRICA</p> <p><i>Presenter:</i> Marizeth Jordaan</p> <p><i>Authors:</i> EM Jordaan¹; G Joubert²; L Robb¹, J Ngounda¹ and CM Walsh¹</p> <p><i>Departments:</i> Department of Nutrition and Dietetics, UFS¹ Department of Biostatistics, UFS²</p>
Session 4	Kine 1 11h15	CR-8	<p>HBV VIRAL LOAD AND DRUG RESISTANCE AMONG HIV-HBV CO-INFECTED PATIENTS: A CROSS-SECTIONAL STUDY IN CENTRAL SOUTH AFRICA</p> <p><i>Presenter:</i> Charles Kotze</p> <p><i>Authors:</i> C Kotze¹; A Bester¹; S Vawda¹; C van Rooyen²; P Matthews³ and D Goedhals¹</p> <p><i>Departments:</i> Division of Virology, UFS¹ Department of Biostatistics, UFS² Nuffield Department of Medicine, University of Oxford³</p>
Session 4	Kine 1 11h30	CR-9	<p>ASSESSMENT OF IN-HAND MANIPULATION BY OCCUPATIONAL THERAPISTS IN PAEDIATRIC PRACTICES IN SOUTH AFRICA</p> <p><i>Presenter:</i> Annelize Kruger</p> <p><i>Authors:</i> A Kruger¹; M Strauss¹ and M Visser¹</p> <p><i>Department:</i> Department of Occupational Therapy, UFS¹</p>
Session 4	Kine 1 11h45	CR-10	<p>THE PREVALENCE OF CHRONIC KIDNEY DISEASE AMONG TYPE 2 DIABETES MELLITUS PATIENTS ATTENDING THE DIABETIC CLINIC AT AN ACADEMIC HOSPITAL IN CENTRAL SOUTH AFRICA</p> <p><i>Presenter:</i> William Mhundwa</p> <p><i>Authors:</i> W Mhundwa¹; TRP Mofokeng¹ and G Joubert³</p> <p><i>Departments:</i> Department of Internal Medicine, UFS¹ Department of Biostatistics, UFS²</p>

Session 4	Kine 1 12h00	CR-11	CASH PAYING PATIENTS FOR ART IN SOUTH AFRICA: PURSES AND WALLETS CONTRIBUTING TO TREATMENT TARGETS <i>Presenter:</i> James Ndirangu <i>Authors:</i> C Nogoduka ¹ , TL Konstant ² ; BR Luwaca ¹ and J Ndirangu ³ <i>Departments:</i> South African National AIDS Council, Strategic Information Unit ¹ Independent health systems researcher, Cape Town, South Africa ² Office of the Dean, Faculty of Health Sciences, UFS ³
Session 4	Kine 1 12h15	CR-12	Development and validation of the South African Diet Quality Index for Pregnancy (SA-DQI-P): the NuEMI study <i>Presenter:</i> Liska Robb <i>Authors:</i> L Robb ¹ ; G Joubert ² ; EM Jordaan ¹ ; L van den Berg ¹ ; J Ngounda and CM Walsh ¹ <i>Departments:</i> Department of Nutrition and Dietetics, UFS ¹ Department of Biostatistics, UFS ²
Session 4	Kine 1 12h30	CR-13	Analysis and Interpretation of Sedia LAg Assay for Viral Load monitoring after ART <i>Presenter:</i> Joseph Sempa <i>Authors:</i> B Sempa ¹ and A Welte ² <i>Departments:</i> Department of Biostatistics, UFS ¹ DSI-NRF SACEMA, Stellenbosch, US ²
Session 4	Kine 1 12h45	CR-14	Characterisation and antimicrobial susceptibility pattern of nontuberculous mycobacteria <i>Presenter:</i> Zothile Skosana <i>Authors:</i> K Alberts; ZT Skosana and A der Spoel van Dijk <i>Departments:</i> Medical Microbiology, UFS ¹ National Health Laboratory Service ²
Session 4	Kine 2 11h00	LR-7	EVALUATION OF ADDITIONAL PROCESSING ON THE HOST CELL INFILTRATION, CALCIFICATION, AND MECHANICAL PROPERTIES OF DECELLULARIZED BOVINE PERICARDIUM IN A SUBCUTANEOUS JUVENILE RAT MODEL <i>Presenter:</i> Angélique Lewies <i>Authors:</i> A Lewies ¹ ; JJ van den Heever ¹ ; L Botes ² ; PM Dohmen ^{1,3} and FE Smit ¹ <i>Departments:</i> Department of Cardiothoracic Surgery, UFS ¹ Department of Health Sciences, CUT, Bloemfontein, South Africa ² Department of Cardiac Surgery, University of Rostock, Rostock, Germany ³
Session 4	Kine 2 11h15	LR-8	THE THROMBIN GENERATION CAPABILITY OF THE CHACMA BABOON (<i>PAPIO URSINUS</i>) – IMPLICATIONS FOR HAEMOSTATIC DISEASE MODELS <i>Presenter:</i> Jaco Joubert <i>Authors:</i> J Joubert ^{1,2} ; M Meiring ^{1,2} and W Janse Van Rensburg ³ <i>Departments:</i> Department of Haematology and Cell Biology, School of Pathology, UFS ¹ National Health Laboratory Service, Universitas Academic Laboratories ² Human Molecular Biology Unit, School of Biomedical Sciences ³
Session 4	Kine 2 11h30	LR-9	HUMORAL RESPONSES AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 IN THE SOUTH AFRICAN COHORT <i>Presenter:</i> Matefo Litabe <i>Authors:</i> MM Litabe ¹ and FJ Burt FJ ^{1,2} <i>Departments:</i> Division of Virology, Faculty of Health Sciences, UFS ¹ National Health Laboratory Services, Division of Virology ²

Session 4	Kine 2 11h45	LR-10	<p>DEVELOPMENT OF A RAPID DETECTION ASSAY AND SCREENING OF MOSQUITOES FOR ARBOVIRUSES IN SOUTH AFRICA</p> <p><i>Presenter:</i> Nosipho Masoto <i>Authors:</i> NZ Masoto¹; LP Snyman² and FJ Burt^{1,3} <i>Departments:</i> Pathogen Research laboratory, Division of Virology, Faculty of Health Sciences,UFS¹ Durban Natural Science Museum² National Health Laboratory Service³</p>
Session 4	Kine 2 12h00	LR-11	<p>ENDOTHELIAL ACTIVATION AND INTERLEUKIN LEVELS IN SEVERE CORONAVIRUS DISEASE 2019 (COVID-19)</p> <p><i>Presenter:</i> Muriel Meiring <i>Authors:</i> M Meiring¹; V Nkuna¹; L Botes² and F Smit² <i>Departments:</i> Department of Haematology, UFS Department of Cardiothoracic Surgery, UFS²</p>
Session 4	Kine 2 12h15	LR-12	<p>CLINICAL AND MOLECULAR CHARACTERISTICS IN BREAST CANCER PATIENTS WITH TRIPLE-NEGATIVE DISEASE</p> <p><i>Presenter:</i> Dorah Notani <i>Authors:</i> MD Notani; KS Ntaita; J Oosthuizen; P Kgoare; I Yanta; M Theron, N Mokgosi and NC van der Merwevd Merwe NC <i>Departments:</i> Human Genetics, UFS¹ National Health Laboratory Service²</p>
Session 4	Kine 2 12h30	LR-13	<p>PREVALENCE OF CLINICALLY RELEVANT GERMLINE BRCA VARIANTS: A PUBLIC SECTOR EXPERIENCE</p> <p><i>Presenter:</i> Kholiwe Ntaita <i>Authors:</i> J Oosthuizen¹; K Ntaita¹, H Combrink; MvE², and NC van der Merwe¹ <i>Departments:</i> Human Genetics, UFS and National Health Laboratory Service¹ School of Economic and Management Sciences, UFS²</p>
Session 4	Kine 2 12h45	LR-14	<p>THE TIME-DEPENDENT PROSURVIVAL ROLE OF AUTOPHAGY IN RESPONSE TO AMYLOID BETA-INDUCED TOXICITY IN AN IN VITRO MODEL OF ALZHEIMER'S DISEASE</p> <p><i>Presenter:</i> Claudia Ntsapi <i>Authors:</i> C Ntsapi¹ and B Loos² <i>Departments:</i> Department of Basic Medical Sciences, Faculty of Health Sciences, UFS¹ Department of Physiological Sciences, Faculty of Science, US²</p>
Session 4	Kine 3 11h00	ER-7	<p>Peer feedback: A valuable tool when using PPE</p> <p><i>Presenter:</i> Maryna Hattingh <i>Authors:</i> MGM Hattingh¹ and MJ Labuschagne² <i>Departments:</i> School of Nursing, UfS¹ Clinical Simulation and Skills Unit, School of Biomedical Sciences, UFS²</p>
Session 4	Kine 3 11h15	ER-8	<p>Work-life balance and wellbeing of academic and academic support staff during the initial COVID-19 lockdown in 2020</p> <p><i>Presenter:</i> Mashudu Rabambi <i>Authors:</i> M Rabambi¹; A Swanepoel¹; A Jansen ¹ and M Nel² <i>Departments:</i> Department of Occupational Therapy. UFS¹ Department of Biostatistics, UFS²</p>

Session 7	Kine 1 15h45	CP-1	<p>Knowledge, perceptions, and practices influencing the uptake of HIV testing services (HTS) among young men in the rural Driefontein and the peri-urban Steadville Township in KwaZulu-Natal, South Africa</p> <p><i>Presenter:</i> Sithembiso Ndlovu <i>Authors:</i> S Ndlovu^{1,2} and A Ross¹ <i>Departments:</i> Department of Family Medicine, UKZN¹ Office of the Dean, Faculty of Health Sciences, UFS²</p>
Session 7	Kine 1 15h50	CP-2	<p>The response of the accommodation system to digital and print images</p> <p><i>Presenter:</i> Minette Devenier <i>Authors:</i> M Devenier¹; R Hansraj¹ and TA Rasengane¹ <i>Departments:</i> Department of Optometry, UKZN¹ Department of Optometry, UFS²</p>
Session 7	Kine 1 15h55	CP-3	<p>Dietary diversity and weight status of female staff workers in Mangaung primary schools</p> <p><i>Presenter:</i> Lucia Meko <i>Authors:</i> NML Meko¹ and M Nel² <i>Departments:</i> Department of Nutrition and Dietetics, UFS¹ Department of Biostatistics, UFS²</p>
Session 7	Kine 1 16h00	CP-4	<p>Association of attention deficit and hyperactivity disorder symptoms with visual functioning difficulties in Grade 1 learners</p> <p><i>Presenters:</i> Monique de Milander <i>Authors:</i> M de Milander¹; R Schall²; V van der Vyver¹; and E J Hattingh¹ <i>Departments:</i> Department of Exercise and Sport Sciences, UFS¹. Department of Mathematical Statistics and Actuarial Science, UFS²</p>
Session 7	Kine 1 16h05	CP-5	<p>South African dietitians' perspectives on use of flash glucose monitoring in patients with type 1 diabetes mellitus.</p> <p><i>Presenter:</i> Elmine du Toit <i>Authors:</i> M van der Merwe¹; E du Toit¹; U Hallbauer² and M Nel³ <i>Departments:</i> Department of Nutrition and Dietetics, UFS¹ Department of Paediatrics and Child Health, UFS² Department of Biostatistics, UFS³</p>
Session 7	Kine 1 16h10	LP-1	<p>INCREASED UTILITY OF METAGENOMICS NEXT-GENERATION SEQUENCING IN DIAGNOSING SEVERE ACUTE RESPIRATORY INFECTION IN PAEDIATRIC PATIENTS</p> <p><i>Presenter:</i> Ayodeji Emmanuel Ogunbayo <i>Authors:</i> AE Ogunbayo¹; MT Mogotsi¹; H Sondlane¹; S Sabiu² and MM Nyaga¹ <i>Departments:</i> NGS Unit and Division of Virology, Faculty of Health Sciences, UFS¹ Department of Biotechnology and Food Science, Durban University of Technology²</p>
Session 7	Kine 1 16h15	LP-2	<p>EVALUATION OF ILEX SELF-CERV FOR DETECTION OF HIGH-RISK HUMAN PAPILLOMAVIRUS INFECTION IN GYNAECOLOGY CLINIC ATTENDEES AT A TERTIARY HOSPITAL IN PRETORIA, SOUTH AFRICA</p> <p><i>Presenter:</i> Teboho Tiiti <i>Authors:</i> TA Tiiti^{1,2}; TL Mashishi¹; VV Nkwinika¹; KA Molefi³; I Benoy²; J Bogers²; SG Selabe¹ and RL Lebelo¹ <i>Departments:</i> Department of Virological Pathology, SMU¹ University, Laboratory of Cell Biology and Histology, University of Antwerp² Department of Obstetrics and Gynaecology, SMU³</p>

Session 7 Kine 1 **EP-1** **Applying ADDIE to construct an online PBM short learning programme for nurses: An African Perspective**

Presenter: Isabella du Preez

Authors: IM Du Preez; CL Barrett²; MJ Coetzee; K van den Berg, VR Rambiritch;
M Vermeulen; PL Wessels; T Rapodile; L Strydom; T Glatt and V Seoraj

Departments: Instructional Designer, UFS¹

School of Clinical Medicine, UFS²

School of Pathology, UFS³

South African National Blood Service⁴

PRESENTATIONS FRIDAY, 26 AUGUST 2022

- Session 9 Kine 1 **CR-15** **Adherence to the Mediterranean diet of pregnant women in central South Africa: The NuEMI study**
08h35
Presenter: Ermi Spies
Authors: HC Spies¹; M Nel² and CM Walsh¹
Departments: Department of Nutrition and Dietetics, UFS¹
Department of Biostatistics, UFS²
- Session 9 Kine 1 **CR-16** **Intraoperative and immediate postoperative complications in paediatric patients undergoing adenotonsillectomies at Universitas Academic Hospital: Incidence and predictors**
08h50
Presenter: Catharina Taute
Authors: CE Taute¹; EW Turton¹ and RY Seedat²
Departments: Department of Anaesthesiology, UFS¹
Department of Otorhinolaryngology, UFS²
- Session 9 Kine 1 **CR-17** **Dietary quality among pregnant women in central South Africa: The NuEMI study**
09h05
Presenter: Louise van den Berg
Authors: L van den Berg¹, M Jordaan¹, L Robb¹, J Ngounda¹, M Nel² and C Walsh¹
Departments: Department of Nutrition and Dietetics, UFS¹
Department of Biostatistics, UFS²
- Session 9 Kine 1 **CR-18** **Perceived barriers and challenges to the implementation of Chronic Diseases of Lifestyle programmes experienced by patients and primary health care teams in primary health care settings in South Africa**
09h20
Presenter: Sanet van Zyl
Authors: S van Zyl¹; W Kruger² and CM Walsh³
Departments: Department of Basic Medical Sciences, UFS¹
Department of Community Health, UFS²
Department of Nutrition and Dietetics, UFS³
- Session 9 Kine 1 **CR-19** **Impact of a nutrition education intervention on nutrition-related self-efficacy and locus of control among women in Lesotho**
09h35
Presenter: Corinna Walsh
Authors: M Ranneileng¹; M Nel², CM Walsh¹
Departments: Department of Nutrition and Dietetics, UFS¹
Department of Biostatistics, UFS²
- Session 9 Kine 1 **CR-20** **KNOWLEDGE, ATTITUDES AND PRACTICE OF SOUTH AFRICAN PHYSIOTHERAPISTS REGARDING THE MANAGEMENT OF GYNAECOLOGICAL CANCER SURVIVORS**
09h50
Presenter: Jané Welman
Authors: J Welman¹; RY Barnes¹ and A van der Merwe²
Departments: Department of Physiotherapy, UFS¹
School of Health and Rehabilitation Sciences, UFS²
- Session 9 Kine 2 **LR-15** **DETERMINING THE PRESENCE OF GLYPHOSATE RESIDUE IN CAT AND DOG FOOD INDICATED TO CONTAIN GRAIN**
08h35
Presenter: Cameron Ogden
Authors: C Ogden¹, C Viljoen¹ and S Sreenivasan Tantuan¹
Departments: Human Molecular Biology, UFS¹

- Session 9 Kine 2 08h50 **LR-16 THE VALUE OF GENOTYPING IN A POPULATION WITH DIVERSE HAPLOTYPES**
Presenter: Jaco Oosthuizen
Authors: J Oosthuizen¹, MJ Kotze², K Ntaita¹, LG Diseko¹, MM Khala¹ and NC van der Merwe¹
Departments: Division of Human Genetics, NHLS and UFS¹
Division of Chemical Pathology, US, Tyg, Cape Town²
- Session 9 Kine 2 09h05 **LR-17 VERIFICATION OF A 3D PRINTED CARDIAC PHANTOM WITH MONTE CARLO SIMULATIONS FOR CLINICAL VALIDATION**
Presenter: Hané Pieters
Authors: H Pieters¹; J van Staden¹; H du Raan¹ and F du Plessis¹
Departments: Department of Medical Physics, UFS¹
- Session 9 Kine 2 09h20 **LR-18 MOSQUITO SPECIES IN CENTRAL SOUTH AFRICA**
Presenter: Tumelo Sekee
Authors: TR Sekee¹ and FJ Burt^{1,2}
Departments: Division of Virology, UFS¹
Division of Virology, National Health Laboratory Service, Bloemfontein²
- Session 9 Kine 2 09h35 **LR-19 The GENETIC DIVERSITY OF SOUTH AFRICAN TICK SPECIES**
Presenter: Gert Terblanche
Authors: G Terblanche¹ and FJ Burt¹
Departments: Division of Virology, UFS¹
- Session 9 Kine 2 09h50 **LR-20 INNOVATIVE INTERVENTION INVOLVING COUNSELING-ASSISTED GENETIC TESTING FOR BREAST CANCER**
Presenter: Nerina van der Merwe
Authors: NC van der Merwe¹; J Oosthuizen¹; L Mampunye³ and MJ Kotze²
Departments: Human Genetics, NHLS & UFS¹
Chemical Pathology, SU²
Biomedical Sciences, CPUT³
- Session 10 Kine 1 10h35 **CR-21 Knowledge and perceptions of cervical cancer screening in Nhlambeni, Eswatini: understanding community readiness for prevention interventions.**
Presenter: Teluleko Madeko
Authors: T Madeko¹
Departments: Health Sciences
- Session 10 Kine 1 10h50 **CR-22 Perceptions and experiences of women regarding weight loss strategies: A South African perspective**
Presenter: Johannita Cox
Authors: J Cox¹; E du Toit¹; L van den Berg¹ and M Nel¹
Departments: Department of Nutrition and Dietetics, UFS¹
Department of Biostatistics, UFS²
- Session 10 Kine 2 10h35 **LR-21 INSERTION SEQUENCES ASSOCIATED WITH CARBAPENEMASE GENES IN *Acinetobacter baumannii***
Presenter: Anneke Van der Spoel Van Dijk
Authors: N van Heerden¹ and van der Spoel van Dijk Anneke^{1,2}
Departments: Medical Microbiology, UFS, Bloemfontein¹
Universitas Academic Laboratory, National Health Laboratory Service, Bloemfontein²

- Session 10 Kine 2 10h50 **LR-22 THE SUITABILITY OF USING SPECTROPHOTOMETRY TO DETERMINE THE CONCENTRATION AND PURITY OF DNA EXTRACTED FROM PROCESSED FOOD MATRICES**
Presenter: Christopher Viljoen
Authors: CD Viljoen¹, C Booysen¹ and S Sreenivasan Tantuan¹
Department: Human Molecular Biology Unit, UFS¹
- Session 10 Kine 2 11h05 **LR-23 MOLECULAR AND SEROLOGICAL EVIDENCE FOR THE CIRCULATION OF ORTHOBUNYAVIRUSES AND ORTHONAIROVIRUSES IN SOUTH AFRICA**
Presenter: Siewert Wiid
Authors: S.C Wiid¹ and F.J Burt^{1,2}
Departments: Pathogen Research laboratory, Division of Virology, Faculty of Health Sciences, University of the Free State
National Health Laboratory Service, Division of Virology²
- Session 10 Kine 2 11h20 **LR-24 DANGER IN THE BONES – PREVALENCE AND UNDERLYING CAUSES OF THROMBOSIS-RELATED DEATHS**
Presenter: Walter Janse van Rensburg
Authors: W Janse van Rensburg¹ and L Haupt^{2,3}
Departments: Human Molecular Biology Unit, UFS¹
Department of Haematology and Cell Biology, UFS²
National Health Laboratory Service³

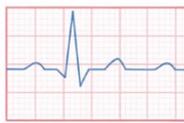
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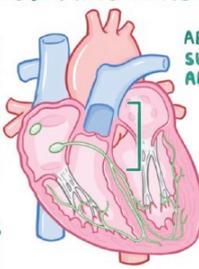


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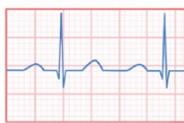
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PHYSIOLOGY
SYMPTOMS
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VENTRICULAR TACHYCARDIA
VENTRICULAR FIBRILLATION
REVIEW
SUMMARY



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SCIATIC NERVE
PUBIC NERVE
POSTERIOR CUTANEOUS NERVE of the THIGH
NERVE to QUADRATUS FEMORIS
NERVE to OBTURATOR INTERIUS



MEDICATION

SUMMARY REVIEW

CONSULTATION w/
REGISTERED DIETITIAN
USE EXTRA PILLOWS
to ELEVATE HEAD

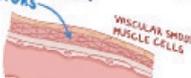


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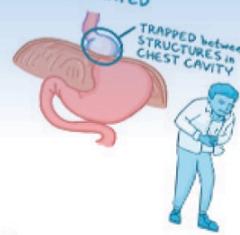
PATHOLOGY

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SUMMARY REVIEW

HIATAL HERNIA
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