

**63rd Annual Academic Day
21 August 2019**

**63^{ste} Akademiese Jaardag
21 Augustus 2019**

PROGRAMME / PROGRAM

FOREWORD

The Faculty of Medicine and Health Sciences of Stellenbosch University has a long and proud history of medical and health sciences research which stretches over a period of more than 60 years. The Annual Academic Day has always acted as a showcase of the groundbreaking research that we perform in this Faculty, and we regard it as a day of celebration, not only of our achievements and research excellence, but also of the positive impact that we have on the world around us. Our institution has made a commitment to being a university that is relevant to its context and is of service to our country and continent, a commitment that is underscored by our desire to solve the pressing problems and challenges that we encounter on this continent, and to unlock the incredible potential of our people. And it is true, our research does have a tremendous and immeasurably positive impact on society, as can be witnessed by the many positive stories of the people that we care for, and the policies, practices and procedures in health care which we have been able to influence over the years.

But 2019 has not only been a year of achievements, it has also been a year in which we were confronted with some entrenched discriminatory ideas and practices from our past. Research emanating from our faculty was widely criticized, inter alia, for perpetuating racial stereotypes, using questionable scientific methods, and for drawing unwarranted conclusions. This has given us pause to reflect on some of the systemic factors within our institution which may have led to the unintended entrenchment of discrimination and inadequate responses to implicit bias which we have encountered in some of our research. It has posed us with a challenge to continue to actively promote behaviours guided by our Faculty's espoused values of inclusivity, compassion, accountability, respect, excellence and equity, also in our research endeavours. The Faculty of Medicine and Health Sciences has over the past decade built a strong reputation for advancing health and equality and we will continue to work with all our colleagues and students to address such challenges. We have therefore embarked on a process to review our current practices and launched a number of initiatives aimed at stimulating open dialogue on transformation within our faculty. In our recently developed FMHS Transformation Charter we pledge, inter alia, to promote research that is ethical, accessible and relevant to our context; to engage in research that strives to benefit participants and communities; and to ensure that in our quest for academic excellence, the welfare of our research participants will always take precedence over scientific interests. We will continue to build on this pledge and support these efforts, and have therefore invited this year's guest speaker at the Annual Academic Day, the prominent geneticist Prof Himla Soodyall, to contribute to the discourse currently happening in our Faculty around the complex and sensitive issues of the use of racial categories, ethnicity and population descriptors in scientific research.

The 63rd Annual Academic Day is a day for reflection on what we have achieved, our tremendous growth and output, the major contribution that our research has made over many years to science and society, and the impact that it has on governmental, societal, economic and environmental issues. We feel strongly that our research should be shared with the world as it belongs to humanity. This event provides an opportunity to do just that, also to acknowledge the commitment and hard work of our researchers and support staff, whose efforts are indispensable to the success of our research enterprise. But it also has to be a day in which we reflect on the road we still have to travel to become what we strive to be, to commit ourselves to cultivating empowering environments in which each individual is able to express her or himself freely, while considering and respecting the rights and freedoms of others. On behalf of the FMHS, I would like to congratulate everyone whose work has been selected for presentation this year. I also wish to express the Faculty's sincere appreciation to the organising committee who has worked tirelessly to ensure the success of the 2019 Annual Academic Day. I invite you all to share and enjoy this special event with us.

Professor Nico C Gey van Pittius, VICE DEAN: RESEARCH

VOORWOORD

Die Fakulteit Geneeskunde en Gesondheidswetenskappe van die Universiteit Stellenbosch het 'n lang en trotse geskiedenis van mediese en gesondheidswetenskaplike navorsing wat strek oor meer as 60 jaar. Die Akademiese Jaardag was nog altyd 'n vertoonvenster van die baanbrekende navorsing wat ons in hierdie Fakulteit doen, en ons beskou dit as 'n dag van viering, nie net van ons prestasies en uitnemendheid nie, maar ook van die positiewe impak wat ons op die wêreld rondom ons het. Ons instelling het hom daartoe verbind om 'n universiteit te wees wat relevant is vir sy konteks en tot diens is aan ons land en kontinent, 'n verbintenis wat onderstreep word deur ons begeerte om die dringende probleme en uitdagings wat ons op hierdie kontinent ondervind, op te los, en die ongelooflike potensiaal van ons mense te ontsluit. En dit is die waarheid, ons navorsing het 'n geweldige en onmeetbaar positiewe uitwerking op die samelewing, soos gesien kan word deur die vele positiewe verhale van die mense wat ons versorg, en die beleide, praktyke en prosedures in gesondheidsorg wat ons in staat was om deur die jare te beïnvloed.

Maar 2019 was nie net 'n jaar van prestasies nie, dit was ook 'n jaar waarin ons gekonfronteer is met 'n paar verkanste diskriminerende idees en praktyke uit ons verlede. Navorsing uit ons fakulteit is wyd gekritiseer, onder meer vir die voortbestaan van rasse-stereotipes, die gebruik van twyfelagtige wetenskaplike metodes en gevolgtrekkings wat nie gefundeer is nie. Dit het ons tot stilstand gebring om na te dink oor sommige van die sistemiese faktore binne ons instelling wat moontlik gelei het tot die onbedoelde verskansing van diskriminasie en onvoldoende reaksies op implisiete partydigheid wat ons in sommige van ons navorsing ondervind het. Dit het ons 'n uitdaging gestel om voort te gaan met die bevordering van gedrag wat gelei word deur ons Fakulteit se waardes van inklusiwiteit, deernis, aanspreeklikheid, respek, uitnemendheid en billikheid, ook in ons navorsingspogings. Die Fakulteit Geneeskunde en Gesondheidswetenskappe het die afgelope dekade 'n sterk reputasie opgebou vir die bevordering van gesondheid en gelykheid en ons sal voortgaan om met al ons kollegas en studente saam te werk om sulke uitdagings die hoof te bied. Daarom het ons 'n proses begin om ons huidige praktyke te hersien en 'n aantal inisiatiewe van stapel gestuur om die oop dialoog oor transformasie binne ons fakulteit te stimuleer. In ons pas ontwikkelde FGGW Transformasie Handves beloof ons onder andere om navorsing wat eties, toeganklik en relevant vir ons konteks is, te bevorder; om navorsing te doen wat poog om deelnemers en gemeenskappe te bevoordeel; en om te verseker dat die welvaart van ons navorsingsdeelnemers in ons strewe na akademiese uitnemendheid altyd voorrang geniet bo wetenskaplike belange. Ons sal voortgaan om voort te bou op hierdie belofte en hierdie pogings te ondersteun, en het daarom die gasspreker van hierdie jaar se Akademiese Jaardag, die prominente genetikus prof Himla Soodyall, genooi om by te dra tot die gesprek wat tans in ons Fakulteit plaasvind rondom die ingewikkelde en sensitiewe kwessies van die gebruik van rassekategorieë, etnisiteit en bevolkingsbeskrywers in wetenskaplike navorsing.

Die 63^{ste} Akademiese Jaardag is 'n dag van nadenke oor wat ons bereik het, ons geweldige groei en uitsette, die groot bydraes wat ons navorsing oor baie jare tot die wetenskap en samelewing gelewer het, en die invloed wat dit op regerings-, samelewings-, ekonomiese en omgewingskwessies het. Ons voel sterk dat ons navorsing met die wêreld gedeel moet word aangesien dit aan die mensdom behoort. Hierdie geleentheid bied 'n geleentheid om dit te doen, ook om erkenning te gee aan die toewyding en harde werk van ons navorsers en ondersteuningspersoneel, wie se pogings onontbeerlik is vir die sukses van ons navorsingsonderneming. Maar dit moet ook 'n dag wees waarin ons besin oor die pad waarop ons nog moet reis om te word wat ons streef om te wees, om ons daartoe te verbind om bemagtigende omgewings te kweek waarin elke individu haar of homself vrylik kan uitdruk, en terselfdertyd respek het vir die regte en vryhede van ander. Namens die FGGW wil ek almal bedank wie se werk hierdie jaar gekies is vir aanbidding. Ek wil ook die Fakulteit se opregte waardering uitspreek teenoor die reëlingskomitee wat onvermoeid gewerk het om die sukses van die Akademiese Jaardag van 2019 te verseker. Ek nooi u almal uit om hierdie spesiale geleentheid met ons te deel en te geniet.

Professor Nico C Gey van Pittius, VISE DEKAAN: NAVORSING

**THE AAD 2019 ORGANISING COMMITTEE WOULD LIKE TO EXPRESS ITS
SINCERE APPRECIATION TO THE FOLLOWING COMPANIES FOR THEIR
PARTICIPATION AND FINANCIAL SUPPORT /
DIE AJD 2019 REËLINGSKOMITEE WIL GRAAG SY DANK EN WAARDERING
UITSPREEK AAN DIE VOLGENDE MAATSKAPPYE VIR HULLE DEELNAME EN
FINANSIËLE ONDERSTEUNING**

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Sport Science / Sportwetenskappe	Prof Ranel Venter

PROGRAMME OVERVIEW / PROGRAM OORSIG

63rd ANNUAL ACADEMIC DAY 2019 / 63^{ste} AKADEMIESE JAARDAG 2019

Wednesday 21 August 2019 / Woensdag 21 Augustus 2019

Morning Parallel Sessions / Oggend Parallelle Sessies

08h20-11h45:	Health Systems Strengthening (Sessions 1 and 2)	Lecture Hall 7	p14
08h20-11h45:	Infectious Diseases (Sessions 1 and 2)	Lecture Hall 11	p18
08h20-11h45:	Mental Health and Neurosciences (Session 1 and 2)	Lecture Hall 6	p25
08h20-11h45:	Non-Communicable Diseases (Sessions 1 and 2)	Lecture Hall 5	p29
09h00-11h30:	Maternal and Child Health (Session 1 and 2)	Lecture Hall 12	p35
10h30-11h30:	Perioperative Sciences (Session 1)	Lecture Hall 8	p41
08h45-11h30:	Violence, Injuries, Trauma and Rehabilitation (Sessions 1 and 2)	Lecture Hall 4	p45

Please note there will be a Tea/Coffee and Poster Discussions break (in the Foyer between Lecture Hall 11 and 12) from 10h00-10h30 between Sessions 1 and 2 of the morning sessions

11h45-12h15: *Lunch and Posters* (Foyer between Lecture Hall 11 and 12)

Main Programme / Hoofprogram (Lecture Hall 11 / Voorlesingsaal 11)

Chair / Voorsitter: *Prof NC Gey van Pittius (Deputy Dean: Research)*

12h15-13h00:	Dean's Address (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme) Prof Jimmy Volmink (Dean, Faculty of Medicine and Health Sciences, Stellenbosch University)
13h00-13h15:	Introduction of Guest Speaker: Prof Jimmy Volmink
13h15-14h00:	Guest Speaker (see page 8) Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits. Presentation title: " <i>Genetic ancestry and identity: lessons from southern Africa</i> "

14h00-14h30: **Tea/Coffee and Posters** (Foyer between Lecture Hall 11 and 12)

Afternoon Parallel Sessions / Namiddag Parallele Sessies

14h30-17h30:	Health Systems Strengthening (Session 3)	Lecture Hall 7	p16
14h30-16h30:	Infectious Diseases (Session 3)	Lecture Hall 11	p20
14h30-16h00:	Mental Health and Neurosciences (Session 3)	Lecture Hall 6	p26
14h30-16h45:	Non-Communicable diseases (Session 3)	Lecture Hall 5	p31
14h30-19h30:	Maternal and Child Health (Sessions 3 and 4)	Lecture Hall 12	p36
14h30-18h00:	Perioperative Sciences (Session 1 and 2)	Lecture Hall 8	p42

State of the Art Presentations / Spiespuntvoordragte

- 15h30 - 16h00: State of the Art Presentation 1 – Health Systems Strengthening (Lecture Hall 7)
Prof Portia Jordan (Department of Nursing and Midwifery)
Title: "*A multi-faceted approach to quality of care and patient safety in health care*"
- 11h15 - 11h45: State of the Art Presentation 2 – Mental Health and Neurosciences (Lecture Hall 6)
Dr Alex Doruyter (NuMeRI Node for Infection Imaging and Division of Nuclear Medicine)
Title: "*Nuclear neuroimaging: hacking the human brain*"
- 14h30 - 15h00: State of the Art Presentation 3 – Non-Communicable Diseases (Lecture Hall 5)
Prof Hannah Simonds (Division of Radiation Oncology)
Title: "*The impact of HIV-status in locally advanced cervical cancer*"
- 14h30 - 15h00: State of the Art Presentation 4 – Perioperative Sciences (Lecture Hall 8)
Prof Derrick Smit (Division of Ophthalmology)
Title: "*Unlocking the Mysteries of Ocular Inflammation: The Past, Present and Future*"

GUEST SPEAKER / GASSPREKER

PROF HIMLA SOODYALL

BSc (Hons)(UDW); MSc (Biotechnology)(Wits); PhD (Human Genetics)(Wits)

Title: "Genetic ancestry and identity: lessons from southern Africa"



Professor Himla Soodyall is the Executive Officer of the Academy of Science of South Africa (ASSAf) and a Research Professor in Human Genetics at NHLS/Wits. An ASSAf member since 2003, she was elected to the ASSAf Council in 2011 and appointed general secretary in 2014. Prior to joining ASSAf on the 1st November 2018, she was employed as a Principal Medical Scientist in the Division of Human Genetics at the National Health Laboratory Service (NHLS) and University of the Witwatersrand (Wits). Prof Soodyall is a South African geneticist renowned for her groundbreaking genetic research into the peoples of sub-Saharan Africa in which her studies have identified some of the oldest DNA found in living people today, adding weight to the theory that modern humans evolved in the area now known as southern Africa. Her research focusses on using molecular genetic tools to reconstruct the evolutionary history and affinities of sub-Saharan African populations. She obtained an MSc in biotechnology and a PhD in human population and evolutionary genetics from WITS, after which she spent 4 years at Pennsylvania State University doing postdoctoral research with Mark Stoneking, one of the first researchers to advance the 'Out of Africa' hypothesis on human origins. In 1966, she returned to South Africa to set up her own laboratory at the South African Institute for Medical Research, conducting population and evolutionary genetics research within the Department of Human Genetics. In 2001, Soodyall was appointed director of the Human Genomic Diversity and Disease Research Unit (HGDDRU), which the MRC had established in partnership with the university and the NHLS. She has been the recipient of numerous awards and accolades, including the Order of Mapungubwe (Bronze Medal), by President Mbeki in 2005. In 2005, she was also appointed the sub-Saharan African principal investigator on the Genographic Project – a five-year, worldwide project undertaken by the National Geographic Society to map humanity's migratory history. In 2017, she was rated as one of the top-ten most visible scientists in South Africa in a study by the Centre for Research on Evaluation, Science and Technology (CREST) at Stellenbosch University.

State of the Art Presenters / Spiespuntvoordrag Aanbieders

State of the Art Presentation 1

Prof Portia Jordan
(Department of Nursing and Midwifery)

Title: "A multi-faceted approach to quality of care and patient safety in health care"



Prof Portia Jordan is an Associate Professor, and Executive Head of the Department of Nursing and Midwifery. She holds a PhD in Nursing, a Masters of Business Administration, a Masters Curationis in Critical Care Nursing (cum laude), a Baccalaureus Curationis, a Diploma in Nursing Education (cum laude) and a Diploma in Nephrology Nursing. She is scholar, National Research Foundation (NRF) Thutuka research grant holder and PLUME (a structured research support programme) research fellow. Her research programme focuses on the implementation of best practices and evidence-based guidelines in the critical care units and operating theatres, in order to promote patient safety and quality of care. She is the co-editor of the book "Foundation of Nursing Practice: Fundamentals of Holistic Care", of which she has written three chapters in the two editions of the book. Nationally, Prof Jordan is an executive board member of the Forum for University Deans in South Africa (FUNDISA), member of the Academy of Nursing of South Africa (ANSA), Critical Care Society of Southern Africa, and the Nursing Education Association. Internationally, she is an executive board member for Tau Lamda Chapter for Sigma Teta Tua International Honor Nursing Society (STTI), executive board member of the Research and Advisory Council and grant reviewer for the STTI. Furthermore, she is part of the International Network of Universities, a global initiative that focus on patient safety and quality of care.

State of the Art Presentation 2

Dr Alex Doruyter
(NuMeRI Node for Infection Imaging and Division of Nuclear Medicine)

Title: *"Nuclear neuroimaging: hacking the human brain"*



Dr Alex Doruyter completed his undergraduate medical training at the University of Cape Town in 2003. After internship and community service at Tembisa Hospital, and a year at Madwaleni Hospital in the rural Eastern Cape he trained for a time in emergency medicine, both in Ireland and locally. He completed his specialist training in the Division of Nuclear Medicine of Stellenbosch University, where he also obtained his Masters. In 2012 he completed a fellowship in PET-CT at the University Hospital of Antwerp in Belgium, before starting work as a consultant at Tygerberg Hospital. In 2018, with the assistance of an MRC PhD Clinical Researcher Scholarship he completed his doctoral research on functional neuroimaging and social cognition in social anxiety disorder. In the same year he was the recipient of the Chris Jansen Young Researcher's Award, jointly bestowed by the South African Society of Nuclear Medicine and the Joosub H.S. Ebrahim Foundation. In April of 2019 he was appointed as the director and staff scientist of the newly established NuMeRI Node for Infection Imaging, managed by the Central Analytical Facilities of Stellenbosch University..

State of the Art Presentation 3

Prof Hannah Simonds
(Division of Radiation Oncology)

Title: *"The impact of HIV-status in locally advanced cervical cancer"*



Prof Hannah Simonds is Head of the Division of Radiation Oncology. She completed her undergraduate training at the University of Cape Town and specialized in General Medicine and Clinical Oncology in London. She returned to South Africa over a decade ago to pursue her interest in caring for cervical cancer patients in low-resourced environments. She has worked as a specialist at Tygerberg Academic Hospital, Groote Schuur and the Sweden Ghana Medical Centre in Accra, Ghana prior to taking up her current post as head of oncology at Stellenbosch. Her primary research focus has been on the optimal use of radiotherapy resources in the developing world setting, with a specific focus on cervical carcinoma. Her publications include findings related to adherence to radiotherapy, outcomes and toxicities; with a particular focus on HIV-positive women. In addition, she is involved in training, mentorship and examination of oncology trainees both in South Africa and many other African countries. Prof Simonds' international collaborations include projects with the MD Anderson Cancer Centre Medical Physics department and with Public Health and Cancer Epidemiology at Columbia University, New York. She is the current vice-president for the Southern Africa - African Organization for Research and Training in Cancer (AORTIC) and the editor-in-chief of the Southern African Journal of Gynaecological Oncology.

State of the Art Presentation 4

Prof Derrick Smit
(Division of Ophthalmology)

Title: *"Unlocking the Mysteries of Ocular Inflammation: The Past, Present and Future"*



Prof Derrick Smit is a consultant ophthalmologist and Associate Professor in the Division of Ophthalmology. His clinical and research interests revolve around various aspects of intraocular inflammation. After obtaining his MBChB cum laude in 1996 he spent almost 4 years at George Provincial Hospital followed by another 3 years in the United Kingdom as a Senior House Officer in Ophthalmology before returning to South Africa to complete his registrar training in Ophthalmology at Stellenbosch University. To date he has published more than 35 peer-reviewed articles and has presented his research at national and international conferences. He is a member of the International Ocular Inflammation Society (IOIS). He is a reviewer for several peer-reviewed Ophthalmology journals and is also a reviewing editor for Ocular Immunology and Inflammation, the official journal of the International Uveitis Study Group (IUSG).

Full Programme / Volledige Program

Theme 1 - Health Systems Strengthening / Tema 1 – Gesondheidsisteme Versterking	p14
Theme 2 - Infectious Diseases / Tema 2 - Infeksiesiektes	p18
Theme 3 - Mental Health and Neurosciences / Tema 3 – Geestesgesondheid en Neurowetenskappe	p25
Theme 4 - Non-communicable Diseases / Tema 4 – Nie-oordraagbare Siektes	p29
Theme 5 - Maternal and Child Health / Tema 5 – Moeder en Kind Gesondheid	p35
Theme 6 – Perioperative Sciences / Tema 6 – Perioperatiewe Wetenskappe	p41
Theme 7 - Violence, Injuries, Trauma and Rehabilitation / Tema 7 – Geweld, Beserings, Trauma en Rehabilitasie	p45

Theme 1 / Tema 1

Health Systems Strengthening / Gesondheidsisteme Versterking

Lecture Hall 7 / Lesingsaal 7

Welcome 08h20-08h30: TBA

FIRST SESSION / EERSTE SESSIE (Lecture Hall 7)

Session Chair / Sessie Voorsitter: TBA

- | | |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08h30-08h45 | WHERE THERE IS NO ORTHOPAEDIC SURGEON: A WHATSAPP MHEALTH PLATFORM TO SUPPORT FRACTURE MANAGEMENT BY NON-SPECIALISTS IN SOUTH AFRICA
<u>PRIYANKA NAIDU</u>
(Abstract Nr 1) |
| 08h45-09h00 | TWO HOUR SURGICAL ACCESS IN SOUTH AFRICA: A USEFUL INDICATOR IN A MIDDLE-INCOME COUNTRY?
<u>MEGAN NAIDOO</u>
(Abstract Nr 2) |
| 09h00-09h15 | THE WESTERN CAPE DISTRICT HEALTH SYSTEMS STRATEGY
<u>HASSAN MAHOMED</u>
(Abstract Nr 3) |
| 09h15-09h30 | THE QUALITY OF FEEDBACK FROM OUTPATIENT DEPARTMENTS AT REFERRAL HOSPITALS TO THE PRIMARY CARE PROVIDERS IN THE WESTERN CAPE: A DESCRIPTIVE SURVEY
<u>BOB MASH</u>
(Abstract Nr 4) |
| 09h30-09h45 | OPPORTUNITIES AND CHALLENGES FOR OCCUPATIONAL TB SCREENING: INSIGHTS FROM A QUALITATIVE STUDY OF HEALTHCARE WORKERS AT TYGERBERG HOSPITAL
<u>ANANJA VAN DER WESTHUIZEN</u>
(Abstract Nr 5) |
| 09h45-10h00 | FACTORS PERCEIVED TO CONTRIBUTE TO THE ESTABLISHMENT AND SUCCESS OF START-UP BUSINESSES BY YOUNG ADULTS IN KAYAMANDI
<u>CHANEL FOIRET</u>
(Abstract Nr 6) |
| 10h00-10h30 | TEA AND POSTER DISCUSSIONS |

SECOND SESSION / TWEEDE SESSIE (Lecture Hall 7)
Session Chair / Sessie Voorsitter: TBA

- 10h30-10h45 **DOCTOR AS CHANGE AGENT (DRACA): REFINING A SUSTAINABLE INTERPROFESSIONAL TEACHING MODULE TO DEVELOP THE COMPETENCIES OF BECOMING AN AGENT OF CHANGE IN THE COMMUNITY**
MARYKE GELDENHUYS
(Abstract Nr 7)
- 10h45-11h00 **AFFORDANCES OF FUNDING FOR INNOVATION AND RESEARCH IN LEARNING AND TEACHING (FIRLT) FOR ENHANCING SCHOLARSHIP IN HEALTH PROFESSIONS EDUCATION (HPE)**
LAKSHINI MCNAMEE
(Abstract Nr 8)
- 11h00-11h15 **USING STUDENT RESPONSE SYSTEMS (CLICKERS) IN AN ISIXHOSA COMMUNICATION COURSE**
LINDA MHLABENI
(Abstract Nr 9)
- 11h15-11h30 **PROCESS EVALUATION OF REFORM AND RENEWAL OF THE MB,CHB PROGRAMME AT THE FACULTY OF MEDICINE AND HEALTH SCIENCES**
MARIETTE VOLSCHENK
(Abstract Nr 10)
- 11h30-11h45 **INVESTIGATING THE SKILLS NEEDED BY NEW DOCTORS IN RURAL HOSPITALS**
IAN COUPER
(Abstract Nr 11)
- 11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**
- MAIN PROGRAMME / HOOFPROGRAM** (Lecture Hall 11)
- 12h15-13h00: **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
Prof Jimmy Volmink (Dean, Faculty of Medicine and Health Sciences, Stellenbosch University)
- 13h00-13h15: **INTRODUCTION OF GUEST SPEAKER:**
Prof Jimmy Volmink
- 13h15-14h00: **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"
- 14h00-14h30: **TEA AND POSTER DISCUSSIONS**

THIRD SESSION / DERDE SESSIE (Lecture Hall 7)

Session Chair / Sessie Voorsitter: TBA

14h30-14h45	TEACHING EMPATHY IN AN UNDERGRADUATE MEDICAL CURRICULUM <u>ELIZE ARCHER</u> (Abstract Nr 12)
14h45-15h00	RESPONSIVE CURRICULA FOR HEALTHCARE PROFESSIONALS <u>CECILIA JACOBS</u> (Abstract Nr 13)
15h00-15h15	AGEING WELL: USING CLINICAL PLACEMENTS TO DEVELOP AND OCCUPATION-BASED, NEEDS-LED SERVICE IN SOUTH AFRICA <u>NICOLA ANN PLASTOW</u> (Abstract Nr 14)
15h15-15h30	REASONS FOR NON-ATTENDANCE OF FOLLOW-UP APPOINTMENTS OF PATIENTS AT WESTERN CAPE REHABILITATION CENTRE <u>ZENOBIA WAJA</u> (Abstract Nr 15)
15h30-16h00	STATE OF THE ART PRESENTATION 1 A MULTI-FACETED APPROACH TO QUALITY OF CARE AND PATIENT SAFETY IN HEALTH CARE <u>PROF PORTIA JORDAN</u>
16h00-16h15	EXPLORING CAREGIVER EXPERIENCES ON ACCESSING SEATING SERVICES IN A WESTERN CAPE SETTING <u>GWEN-LYNN NORTH</u> (Abstract Nr 16)
16h15-16h30	EVALUATING THE PERFORMANCE OF SOUTH AFRICAN PRIMARY CARE: CROSS-SECTIONAL DESCRIPTIVE SURVEY <u>BOB MASH</u> (Abstract Nr 17)
16h30-16h45	CLOSING

POSTERS / PLAKKATE

1. A FRAMEWORK TO FACILITATE THE APPOINTMENT OF WOMEN NURSES OF COLOUR TO LEADERSHIP POSITIONS IN HOSPITALS

MARIANA VAN DER HEEVER

(Abstract Nr 18)

2. ALTERATIONS IN SELENIUM CONCENTRATION IN HIV-INFECTED INDIVIDUALS: A REVIEW

KAREN CILLIERS

(Abstract Nr 19)

3. DEVELOPING AND IMPLEMENTING A BLENDED RESEARCH PROTOCOL WRITING COURSE FOR CLINICIAN RESEARCHERS AT STELLENBOSCH UNIVERSITY, SOUTH AFRICA

TANIA BRODOVCKY

(Abstract Nr 20)

4. EDUCATIONAL VALUE OF PROCEDURAL VIDEOS AS PERCEIVED BY SURGICAL TRAINEES.

KARIN BAATJES

(Abstract Nr 21)

5. EVALUATING THE HEALTH NEEDS OF MAMRE: A RETROSPECTIVE REVIEW

CARLA SWART

(Abstract Nr 22)

6. KNOWLEDGE, ATTITUDES AND BELIEFS OF PATHOLOGISTS REGARDING BUSINESS, ADMINISTRATION, LEADERSHIP AND MANAGEMENT IN SOUTH AFRICAN PATHOLOGY SERVICES.

ZIVANAI CHAPANDUKA

(Abstract Nr 23)

7. PREPARING HEALTH SCIENCE PROFESSIONALS FOR MULTILINGUAL CONTEXTS

SYBIL NONTSIKELELO MASIBA

(Abstract Nr 24)

8. TASK-BASED SYLLABUS DESIGN FOR TEACHING ISIXHOSA AS A SECOND LANGUAGE TO HEALTH SCIENCES DIETICIAN STUDENTS

FEZEKA DYUBENI-SIKELE

(Abstract Nr 25)

9. THE HEALTH NEEDS OF NOMZAMO BASED ON HOUSEHOLD DATA: A DESCRIPTIVE SURVEY

ELLA VAN DER MERWE

(Abstract Nr 26)

10. THE IMPACT OF PHYSICIAN EDUCATION DESIGNED TO IMPROVE THE PROVISION OF ESSENTIAL INFORMATION ON THE THROMBOPHILIA SCREENING REQUEST FORM

IBTISAM ABDULLAH

(Abstract Nr 27)

11. WHY ARE APPENDICITIS AND ABSCESES TREATED AT TERTIARY HOSPITALS: THE CAPACITY OF FIRST-LEVEL HOSPITALS TO PERFORM ESSENTIAL SURGICAL OPERATIONS IN SOUTH AFRICA

MEGAN NAIDOO

(Abstract Nr 28)

Theme 2 / Tema 2

Infectious Diseases/Infeksiesiektes

Lecture Hall 11 / Lesingsaal 11

Welcome 08h00-08h30: TBA

FIRST SESSION / EERSTE SESSIE

Chairperson / Voorsitter: TBA

- 08h30-08h45: **A LONGITUDINAL ANALYSIS OF HOST TRANSCRIPTIONAL RESPONSES DURING TUBERCULOSIS PROGRESSION**
STUART MEIER, GERARD TROMP
(Abstract Nr 1)
- 08h45-09h00: **A RETROSPECTIVE REVIEW OF THE UTILITY OF CHEST X-RAYS IN DIVING AND SUBMARINE MEDICAL EXAMINATIONS**
LR DAVIDS, WAJ MEINTJES
(Abstract Nr 2)
- 09h00-09h15: **A 'NICE TO HAVE' OR A 'NON-NEGOTIABLE': SOUTH AFRICAN HEALTHCARE WORKERS' KNOWLEDGE, ATTITUDES, PRACTICES AND PERCEPTIONS OF VACCINATION**
KAYLA LIEDEMANN, ANGELA DRAMOWSKI
(Abstract Nr 3)
- 09h15-09h30: **DEVELOPMENT OF FUNCTIONAL IMMUNE READOUTS FOR THE CONFIRMATION OF MENDELIAN SUSCEPTIBILITY TO MYCOBACTERIAL DISEASE AND RELATED PRIMARY IMMUNODEFICIENCIES**
ANSIA VAN COLLER, BRIGITTE GLANZMANN, HELENA CORNELISSEN, MARLO MÖLLER, CRAIG KINNEAR, MICHAEL URBAN, MONIKA ESSER, RICHARD GLASHOFF
(Abstract Nr 4)
- 09h30-09h45: **EVALUATION OF MALDI-TOF TO DETERMINE ACCESSORY GENE REGULATOR SYSTEM FUNCTIONALITY IN STAPHYLOCOCCUS AUREUS ISOLATES**
SHIMA ABDULGADER, AMIKE VAN RIJWIJSK, JOHAN VAN WYK, MAE NEWTON-FOOT, ANDREW WHITELAW
(Abstract Nr 5)
- 09h45-10h00: **HPV STRAIN PREVALENCE AND HPV-RELATED BIOMARKER EXPRESSION IN VULVAR CARCINOMA AT TYGERBERG ACADEMIC HOSPITAL**
NADINE PETERSEN, RUBINA RAZACK, MICHELINE SANDERSON
(Abstract Nr 6)
- 10h00-10h30: **TEA AND POSTER DISCUSSION**

SECOND SESSION / TWEEDE SESSIE

Chairperson / Voorsitter: TBA

- 10H30-10H45: **INCIDENT TUBERCULOSIS (TB) DISEASE AMONG PATIENTS RECEIVING BIOLOGIC THERAPIES IN THE WESTERN CAPE, SOUTH AFRICA**
TESSA DU TOIT, TONYA ESTERHUIZEN, NICKI TIFFIN, AHMED ABULFATHI, HELMUTH REUTER, ERIC DECLOEDT
(Abstract Nr 7)
- 10h45-11h00: **LOW ISONIAZID CONCENTRATIONS IN PREGNANT AND POSTPARTUM WOMEN TREATED FOR TUBERCULOSIS IRRESPECTIVE OF EFVIRENZ-BASED ART CO-TREATMENT**
MARIJE VAN SCHALKWYK, ADRIE BEKKER, ERIC DECLOEDT, GERHARD THERON, MARK COTTON, BROOKIE BEST, EDMUND CAPPARELLI, ALICE STEK, WIESE LUBBE, TIM CRESSEY, MAURICIO PINILLA, DAVID SHAPIRO, MARK MIROCHNICK
(Abstract Nr 8)
- 11h00-11h15: **PERIPHERAL BLOOD TRANSCRIPTOME IS CORRELATED WITH PET MEASURES OF LUNG INFLAMMATION DURING TUBERCULOSIS TREATMENT**
TRUST ODIA, STEPHANUS MALHERBE, GERARD TROMP
(Abstract Nr 9)
- 11H15-11H30: **PROGRESS IN THE DEVELOPMENT OF SMALL PROTEIN BIOSIGNATURE BASED TESTS FOR THE DIAGNOSIS OF TB DISEASE**
HYGON MUTAVHATSINDI, GIAN VAN DER SPUI, STEPHANUS MALHERBE, KIM STANLEY, CANDICE SNYDERS, GERHARD WALZL, NOVEL N CHEGOU, ON BEHALF OF THE AE-TBC CONSORTIUM
(Abstract Nr 10)
- 11h30-11h45: **SOUTH AFRICAN UNDERGRADUATE HEALTH SCIENCE STUDENTS' KNOWLEDGE, ATTITUDES, PRACTICES AND PREFERENCES REGARDING VACCINATION**
CHRISTINE LE ROUX, ANGELA DRAMOWSKI
(Abstract Nr 11)
- 11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

- 12h15-13h00: **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
Prof Jimmy Volmink (Dean, Faculty of Medicine and Health Sciences, Stellenbosch University)
- 13h00-13h15: **INTRODUCTION OF GUEST SPEAKER:**
Prof Jimmy Volmink
- 13h15-14h00: **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"

14h00-14h30: **TEA AND POSTER DISCUSSIONS**

THIRD SESSION / DERDE SESSIE

Chairperson / Voorsitter: TBA

- 14h30-14h45: **STRUCTURAL IMPACT OF SELECTED RALTEGRAVIR RESISTANCE VARIANTS ON DOLUTEGRAVIR BINDING TO SOUTH AFRICAN HIV-1 INTEGRASE SUBTYPE C PROTEIN**
RUMBIDZAI CHITONGO, RUBEN CLOETE, GRAEME BRENDON JACOBS, ADETAYO EMMANUEL OBASA, SELLO GIVEN MIKASI
(Abstract Nr 12)
- 14h45-15h00: **THE CONTEMPORARY STUDY OF ACUTE MYOCARDITIS IN SUB-SAHARAN AFRICA (CAMISSA)**
KM HASSAN, PG HERBST, AF DOUBELL, SD ZAHARIE, GU VAN ZYL, CG KYRIAKAKIS
(Abstract Nr 13)
- 15h00-15h15: **THE IMPORTANCE OF CONFIRMATORY HIV SEROLOGICAL TESTING: HIGH POSITIVE RESULTS CAN STILL BE FALSE POSITIVE**
JOANNA REID, GERT VAN ZYL, WOLFGANG PREISER, MICHAEL LINSTRÖM, STEPHEN KORSMAN, GERT JK MARAIS, LOUISE WILSDORF
(Abstract Nr 14)
- 15h15-15h30: **THE IN VIVO EVOLUTION OF ANTIMICROBIAL RESISTANCE OF A SINGLE ACINETOBACTER BAUMANNII STRAIN**
AMANDA-JO VENTER, KESSENDRI REDDY, MAE NEWTON-FOOT, ANDREW WHITELOW
(Abstract Nr 15)
- 15h30-15h45: **TUBERCULOUS SCLEROKERATOUVEITIS IN IMMUNECOMPETENT SOUTH AFRICAN PATIENTS**
DONY MATHEW
(Abstract Nr 16)
- 15h45-16h00: **ACQUIRED HIV-1 DRUG RESISTANCE IDENTIFIED USING HIGH THROUGHPUT SEQUENCING (HTS) IN SOUTH AFRICAN PEOPLE LIVING WITH HIV-1 (PLHIV-1)**
AE OBASA, AT AMBIKAN, GB JACOBS, U NEOGI
(Abstract Nr 17)

POSTERS / PLAKKATE

1. **A DIAGNOSTIC INTERFERON-GAMMA RELEASE ASSAY FOR MYCOBACTERIUM BOVIS INFECTION IN WHITE RHINOCEROS (CERATOTHERIUM SIMUM)**
JOSEPHINE CHILESHE, WYNAND J GOOSEN, SVEN DC PARSONS, MICHELE MILLER
(Abstract Nr 18)
2. **A STRATEGY TO REDUCE THE PREVALENCE OF FALSE POSITIVE HIV TEST RESULTS**
MA LINSTRÖM
(Abstract Nr 19)

3. **A THIRD-LINE ART REFERRAL PROCESS IN THE WESTERN CAPE PROVINCE, SOUTH AFRICA: ESTIMATING QUALIFICATION AND PREDICTORS OF REFERRAL**
SADIYYA SHEIK, BART WILLEMS
 (Abstract Nr 20)
4. **ADMIXTURE MAPPING OF TB SUSCEPTIBILITY IN A FIVE-WAY ADMIXED SOUTHERN AFRICAN POPULATION**
YOLANDI SWART, CAITLIN UREN, MARLO MÖLLER, EILEEN HOAL
 (Abstract Nr 21)
5. **ANCESTRY INFERENCE ON THE X CHROMOSOME YIELDS NOVEL TUBERCULOSIS SUSCEPTIBILITY LOCI**
JANINE SCHUIN, HAIKO SCHURZ, CAITLIN UREN, MARLO MÖLLER
 (Abstract Nr 22)
6. **AUTOPHAGY PROGRESSION IN MYCOBACTERIUM TUBERCULOSIS-INFECTED MACROPHAGES**
NAOMI OKUGBENI, BEN LOOS, GLYNIS JOHNSON, CRAIG KINNEAR
 (Abstract Nr 23)
7. **CHARACTERISATION OF COLISTIN RESISTANCE MECHANISMS IN CLINICAL ENTEROBACTERIACEAE ISOLATES FROM THE WESTERN CAPE OF SOUTH AFRICA**
YOLANDI SNYMAN, ANDREW CHRISTOPHER WHITELAW, SANDRA REUTER, MOTLATJI RERATILWE BONNIE MALOBA, MAE NEWTON-FOOT
 (Abstract Nr 24)
8. **DETERMINING THE CORRELATION BETWEEN PERSISTENCE FORMATION AND CLINICAL OUTCOME IN TUBERCULOSIS (TB) PATIENTS**
JULIAN L COETZEE
 (Abstract Nr 25)
9. **DIAGNOSTIC PERFORMANCE OF POINT-OF-CARE ULTRASOUND IN DIAGNOSING HIV-ASSOCIATED TUBERCULOSIS IN PATIENTS PRESENTING TO THE EMERGENCY CENTRE**
DANIEL J VAN HOVING, GARY MAARTENS, GRAEME MEINTJES
 (Abstract Nr 26)
10. **ELIMINATING THE NEED FOR TB CULTURE: DNA EXTRACTION FROM SPUTUM**
NABILA ISMAIL, ANZAAN DIPPENAAR, MELANIE GROBBELAAR, CHARLENE CLARKE, ELIZABETH M STREICHER, MARGARETHA DE VOS, SELIEN OOSTVOGELS, TIM HEUPINK, MICHAEL WHITFIELD, ANNELIES VAN RIE, ROB M WARREN
 (Abstract Nr 27)
11. **FLUOROQUINOLONE RESISTANCE IN CHILDREN EXPOSED TO LEVOFLOXACIN: A TB-CHAMP SUB-STUDY**
CHANTE BRAND, REMOUS OCLOO, ANNEKE HESSELING, JAMES SEDDON, ANNE-MARIE DEMERS, MAE NEWTON-FOOT, ANDREW WHITELAW
 (Abstract Nr 28)
12. **GENETIC-RELATEDNESS OF BLOODSTREAM INFECTION PATHOGENS IN HOSPITALISED SOUTH AFRICAN NEONATES**
KEDISALETSE MOLOTO, ANDREW WHITELAW, MAE NEWTON-FOOT, ANGELA DRAMOWSKI
 (Abstract Nr 29)

13. **HIV AND ORTHOPAEDICS: A RETROSPECTIVE REVIEW STUDY ON THE MUSCULO-SKELETAL MANIFESTATIONS OF HIV IN THE PAEDIATRIC POPULATION AT TYGERBERG HOSPITAL OVER THE LAST 5 YEARS**
WILHELM HUBERT HANSEN
 (Abstract Nr 30)

14. **HIV PSEUDO VIREMIA FROM LARGE LYSED DEFECTIVE CD4 CELL CLONE**
JOHANNES BOTHA, KIM STEEGEN, LUCIA HANS, ALAN KARSTAEDT, HOLLY FRANCE, SERGIO CARMONA, DENASHA REDDY, GERT VAN ZYL
 (Abstract Nr 31)

15. **HUMAN GENETICS OF TB RESISTANCE IN HIV-INFECTED PERSONS**
EE KROON, EG HOAL, E SCHURR, M MÖLLER, C KINNEAR, RJ WILKINSON, S BOOLAY, RESISTB STUDY GROUP
 (Abstract Nr 32)

16. **IDENTIFICATION OF TAP1 MUTATIONS IN PATIENTS WITH PRIMARY IMMUNODEFICIENCY DISEASE SHOWING RECURRENT EPISODES OF TUBERCULOSIS**
C CLARKE, R GLASHOFF, M ESSER, M SCHOEMAN, N DE VILLIERS, A LOXTON, M URBAN, M MOLLER, C KINNEAR
 (Abstract Nr 33)

17. **IN VIVO. EX VIVO AND IN VITRO EFFECT OF MELATONIN TREATMENT DURING ANTIRETROVIRAL THERAPY**
INGRID WEBSTER, CORLI WESTCOTT, JORDYN VAN TEYLINGEN, HANS STRIJDOM, FRANS EVERSON, YOLANDI ESPACH
 (Abstract Nr 34)

18. **INCREASED PROPORTION OF CD4+ T FOLLICULAR HELPER (TFH) CELLS IN HIV-INFECTED INDIVIDUALS IS ASSOCIATED WITH INCREASED LEVELS OF T CELL ACTIVATION AND EXHAUSTION**
PAULINA OLIFANT, RICHARD GLASHOFF
 (Abstract Nr 35)

19. **INTACT HIV PROVIRUSES ARE DETECTABLE IN CHILDREN 7-9 YEARS AFTER INITIATION OF ART IN THE FIRST YEAR OF LIFE**
MARY GRACE K KATUSIIME, ELIAS K HALVAS, IMOGEN WRIGHT, KEVIN JOSEPH, MICHAEL J BALE, BRONWYN KIRBY-MCCULLOUGH, SUSAN ENGELBRECHT, WEI SHAO, WEI SHAU HU, MARK F COTTON, JOHN W MELLORS, MARY F KEARNEY, GERT U VAN ZYL
 (Abstract Nr 36)

20. **INVESTIGATING GENOME VARIATION IN A SOUTH AFRICAN WILD DOG POPULATION: TOWARDS UNDERSTANDING THEIR SUSCEPTIBILITY TO MYCOBACTERIUM BOVIS INFECTION**
CHRISTINA MEIRING, MICHELE MILLER, MARLO MOLLER, LEANIE KLEYNHANS, CRAIG KINNEAR, PAUL VAN HELDEN
 (Abstract Nr 37)

21. **INVESTIGATING THE ANTIBACTERIAL EFFECTS OF CURDLAN-FUNCTIONALIZED PLGA NANOPARTICLES ON INTRACELLULAR MYCOBACTERIUM TUBERCULOSIS**
SU-MARI DU PLESSIS, SAMANTHA SAMPSON, ADMIRE DUBE
 (Abstract Nr 38)

22. **INVESTIGATING THE HOST IMMUNE RESPONSE TO POPULATION-TAILORED PPE_MPTR PEPTIDES**
CAITLYNE YOUNG, NASTASSJA STEYN, SAMANTHA SAMPSON, ANDRE LOXTON

(Abstract Nr 39)

23. **INVESTIGATING THE ROLE OF A NOVEL PROTEIN IN IRON-SULPHUR CLUSTER BIOGENESIS IN MYCOBACTERIA**
NANDI NIEMAND, MONIQUE WILLIAMS, BRANDON WEBER
(Abstract Nr 40)
24. **PHARMACOKINETIC STUDY OF ANTI- TUBERCULOSIS THERAPEUTIC PAS AND ITS MAJOR METABOLITES ACETYL-PAS AND GLYCINE-PAS**
KIM ADAMS
(Abstract Nr 41)
25. **PREDICTING PET-CT WITH CYTOKINES IN THE CONTEXT OF PULMONARY TUBERCULOSIS**
ELIZNA MAASDORP, GERARD TROMP, NOVEL CHEGOU, STEPHANUS MALHERBE, GERHARD WALZL, CATALYSIS TB-BIOMARKER CONSORTIUM
(Abstract Nr 42)
26. **PUTTING RFMIX AND ADMIXTURE TO THE TEST IN A COMPLEX ADMIXED POPULATION**
CAITLIN UREN, EILEEN G HOAL, MARLO MÖLLER
(Abstract Nr 43)
27. **RNA-SEQUENCING DATA SIMULATOR: A TOOL FOR EXPERIMENTAL DESIGN PARAMETER ESTIMATION**
DARRYN ZIMIRE, GERARD TROMP
(Abstract Nr 44)
28. **RUMINANT INTERFERON-GAMMA RELEASE ASSAY (IGRA) SHOWS POTENTIAL FOR DETECTION OF MYCOBACTERIUM BOVIS INFECTION IN ANTELOPE SPECIES**
TANYA KERR, LÉANIE KLEYNHANS, PETER BUSS, MICHELE MILLER
(Abstract Nr 45)
29. **SIMULATION STUDIES OF NOVEL PASER DOSING REGIMENS**
AHMED A ABULFATHI, PETER R DONALD, ANDREAS H DIACON, HELMUTH REUTER, ELIN M SVENSSON
(Abstract Nr 46)
30. **SURVIVING OR THRIVING? HEALTH-RELATED QUALITY OF LIFE AND RESILIENCE OF ADOLESCENTS LIVING WITH HIV IN THE CAPE METROPOLE, SOUTH AFRICA**
TALITHA CROWLEY, ANITA VAN DER MERWE, DONALD SKINNER
(Abstract Nr 47)
31. **THE EFFECT OF STORAGE CONDITIONS ON MICROBIAL COMMUNITIES IN STOOL**
K NEL VAN ZYL, A WHITELAW, M NEWTON-FOOT
(Abstract Nr 48)
32. **THE ROLE OF THE SNARE-ASSOCIATED PROTEIN SNAPIN IN HOST MACROPHAGE RESPONSE TO MYCOBACTERIAL INFECTION**
NICOLE BROWN, NAOMI OKUGBENI, BEN LOOS, GLYNIS JOHNSON, CRAIG KINNEAR
(Abstract Nr 49)
33. **THE ROLE OF TYPE-5 PHOSPHODIESTERASE INHIBITORS ON THE REVERSAL OF PERIPHERAL- AND LUNG-DERIVED MYELOID DERIVED SUPPRESSOR CELL FUNCTION IN TB**
VINZEIGH LEUKES, NELITA DU PLESSIS, GERHARD WALZL

(Abstract Nr 50)

34. **THE VIEWS OF MANAGERS OF THE TB CONTROL PROGRAM ON IMPLEMENTING ACTIVE SURVEILLANCE FOR TB IN THE EASTERN CAPE**
FEBISOLA I AJUDUA, ROBERT JAMES MASH
(Abstract Nr 51)
35. **TOOLS FOR ANALYSIS OF LUMINEX IMMUNOASSAY DATA: DEVELOPMENT OF A ROBUST PIPELINE AND BEST PRACTICES RECOMMENDATIONS**
NCITE DA CAMARA, GERARD TROMP
(Abstract Nr 52)
36. **UNDETECTED ISONIAZID MONO RESISTANCE IN RURAL EASTERN CAPE PROVINCE: A RISK FOR THE EMERGENCE OF MULTIDRUG-RESISTANT TB**
C VAN DER MERWE, M KLOPPER, E STREICHER, C HAYES, Y VAN DER HEIJDEN, K MEKLER, R WARREN
(Abstract Nr 53)
37. **URINE PROTEOME FOR PAEDIATRIC TUBERCULOSIS DIAGNOSIS**
ASHLEY EHLERS
(Abstract Nr 54)
38. **WHOLE GENOME SEQUENCING PROVIDES ADDITIONAL INSIGHTS INTO RECURRENT TUBERCULOSIS CLASSIFIED AS ENDOGENOUS REACTIVATION BY IS6110 DNA FINGERPRINTING**
ANZAAN DIPPENAAR, MARGARETHA DE VOS, FLORIAN M MARX, SABIR A ADROUB, PAUL D VAN HELDEN, ARNAB PAIN, SAMANTHA L SAMPSON, ROBIN M WARREN
(Abstract Nr 55)
39. **X-LINKED TRANS-ETHNIC META-ANALYSIS REVEALS TUBERCULOSIS SUSCEPTIBILITY VARIANTS**
HAIKO SCHURZ, CRAIG J KINNEAR, PAUL D VAN HELDEN, GERARD TROMP, EILEEN G HOAL, MARLO MÖLLER
(Abstract Nr 56)

Theme 3 / Tema 3

Mental Health and Neurosciences/Geestesgesondheid en Neurowetenskappe

Lecture Hall 6 / Lesingsaal 6

Welcome 08h20-08h30: Prof G Jordaan

FIRST SESSION / EERSTE SESSIE (Lecture Hall 6)

Session Chair / Sessie Voorsitter: Prof G Jordaan

08h30-08h45	ALCOHOL'S EFFECT ON THE GUT MICROBIOME OF PREGNANT WOMEN <u>NATASHA KITCHIN, ET AL.</u> (Abstract Nr 1)
08h45-09h00	CLOZAPINE HAEMATOLOGICAL SIDE EFFECT MONITORING IN THE WESTERN CAPE: A RETROSPECTIVE REVIEW OF THE PROVINCIAL HEALTH DATA CENTRE DATABASE 2015-2017 <u>CHRISTOFF GELDENHUYS, ET AL.</u> (Abstract Nr 2)
09h00-09h15	EFAVIRENZ IS ASSOCIATED WITH ALTERED FRONTO-STRIATAL FUNCTION IN HIV+ ADOLESCENTS <u>STÉFAN DU PLESSIS, et al.</u> (Abstract Nr 3)
09h15-09h30	IDENTIFICATION OF A NOVEL VARIANT IN A SOUTH AFRICAN FAMILY WITH FAMILIAL PARKINSON'S DISEASE AND THE SUBSEQUENT IN VITRO ANALYSIS <u>KATELYN CUTTLER, ET AL.</u> (Abstract Nr 4)
09h30-09h45	RELEVANCE OF CANNABIS USE AS A PREDICTOR OF CLINICAL OUTCOME IN FIRST-EPISODE SCHIZOPHRENIA SPECTRUM DISORDER PATIENTS OVER 24 MONTHS OF TREATMENT WITH FLUPENTHIXOL DEPOT <u>FREDA SCHEFFLER, ET AL.</u> (Abstract Nr 5)
09h45-10h00	MENTAL HEALTH AND WELL-BEING POST-STROKE: A CRITICAL CARE PATHWAY <u>NICOLA ANN PLASTOW, ET AL.</u> (Abstract Nr 6)
10h00-10H30	TEA AND POSTER DISCUSSIONS

SECOND SESSION / TWEEDE SESSIE (Lecture Hall 6)

Session Chair / Sessie Voorsitter: Prof G Jordaan

- 10h30-10h45 **EXPLORATION OF READING CULTURE WITHIN THE HOME ENVIRONMENTS OF GRADE 4 LEARNERS EXPERIENCING READING DIFFICULTY**
CLAIRE MCCUBBIN, ET AL.
(Abstract Nr 7)
- 10h45-11h00 **GENOME-WIDE DNA METHYLATION PROFILING REVEALS EPIGENETIC SIGNATURES ASSOCIATED WITH PTSD AND METABOLIC SYNDROME**
SYLVANUS TOIKUMO, ET AL.
(Abstract Nr 8)
- 11h00-11h15 **A COMPARISON OF PUBLICLY AVAILABLE BIOINFORMATICS TOOLS TO ASSESS THE PATHOGENICITY OF VARIANTS IN MITOCHONDRIAL DNA**
CAITLIN MCCAFFREY, ET AL.
(Abstract Nr 9)
- 11h15-11h45 **STATE OF THE ART PRESENTATION 2
NUCLEAR NEUROIMAGING: HACKING THE HUMAN BRAIN**
DR ALEX DORUYTER
- 11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

- 12h15-13h00: **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
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Prof Jimmy Volmink
- 13h15-14h00: **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"
- 14h00-14h30: **TEA AND POSTER DISCUSSIONS**

THIRD SESSION / DERDE SESSIE (Lecture Hall 6)

Session Chair / Sessie Voorsitter: Prof G Jordaan

- 14h30-15h45 **POSTER SESSION (ORAL PRESENTATIONS)**
Abstract 10-19 (Three minutes per presenter)
- COGNITIVE OUTCOMES AT 7 AND 9 YEARS IN THE CHILDREN WITH HIV EARLY ANTIRETROVIRAL THERAPY (CHER) TRIAL**

KAYLEE VAN WYHE, ET AL.
(Abstract Nr 10)

INVESTIGATING INFLAMMATION IN NEUROPSYCHIATRIC DISORDERS

ALLEGRA MOODLEY, ET AL.
(Abstract Nr 11)

METHYLATED QUANTITATIVE TRAIT LOCI ASSOCIATED WITH PTSD
MORNE DU PLESSIS, ET AL.
(Abstract Nr 12)

THE POTENTIAL OF DIGIT RATIO AS AN ENDOPHENOTYPE IN A SCHIZOPHRENIA POPULATION

WILHELM NIEUWOUDT, ET AL.
(Abstract Nr 13)

COMT VAL158MET AND DAT-VNTR GENOTYPE ASSOCIATED WITH HIV-ASSOCIATED NEUROCOGNITIVE DISORDERS

AQEEDAH ROOMANEY, ET AL.
(Abstract Nr 14)

INVESTIGATING MENTAL HEALTH LITERACY OF PHC PRACTITIONERS IN SOUTH AFRICA AND ZAMBIA: PHASE 1 OF THE MEGA PROJECT – PRELIMINARY FINDINGS FROM THE WESTERN CAPE

SHARAIN SULIMAN, ET AL.
(Abstract Nr 15)

THE VAL66MET BRAIN-DERIVED NEUROTROPHIC FACTOR GENOTYPE DOES NOT PREDICT PTSD TREATMENT RESPONSE IN SOUTH AFRICAN ADOLESCENTS

PATRICIA CATHRYN SWART, ET AL.
(Abstract Nr 16)

SEX AND GENDER AS PREDICTORS OF AGE OF PSYCHOSIS ONSET IN FIRST-EPIISODE SCHIZOPHRENIA SPECTRUM DISORDERS

HILMAR LUCKHOFF, ET AL.
(Abstract Nr 17)

MEASURING NEUROCOGNITIVE FUNCTIONING IN HIV INFECTED ADULTS: THE DEVELOPMENT OF A SHORTENED VERSION OF THE HNRC NEUROCOGNITIVE TEST BATTERY

MELANIE CILLIERS, ET AL.
(Abstract Nr 18)

AN EXPLORATORY STUDY OF THE BLOOD MICROBIOME IN POSTTRAUMATIC STRESS DISORDER, SCHIZOPHRENIA AND PARKINSON'S DISEASE

ERESHIA GABIER, ET AL.
(Abstract Nr 19)

15h45-16h00

CONCLUSION

16h00-16h45

TEA

POSTERS/PLAKKATE

COGNITIVE OUTCOMES AT 7 AND 9 YEARS IN THE CHILDREN WITH HIV EARLY ANTIRETROVIRAL THERAPY (CHER) TRIAL

KAYLEE VAN WYHE, ET AL.

(Abstract Nr 10)

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SHARAIN SULIMAN, ET AL.

(Abstract Nr 15)

THE VAL66MET BRAIN-DERIVED NEUROTROPHIC FACTOR GENOTYPE DOES NOT PREDICT PTSD TREATMENT RESPONSE IN SOUTH AFRICAN ADOLESCENTS

PATRICIA CATHRYN SWART, ET AL.

(Abstract Nr 16)

SEX AND GENDER AS PREDICTORS OF AGE OF PSYCHOSIS ONSET IN FIRST-EPISODE SCHIZOPHRENIA SPECTRUM DISORDERS

HILMAR LUCKHOFF, ET AL.

(Abstract Nr 17)

MEASURING NEUROCOGNITIVE FUNCTIONING IN HIV INFECTED ADULTS: THE DEVELOPMENT OF A SHORTENED VERSION OF THE HNRC NEUROCOGNITIVE TEST BATTERY

MELANIE CILLIERS, ET AL.

(Abstract Nr 18)

AN EXPLORATORY STUDY OF THE BLOOD MICROBIOME IN POSTTRAUMATIC STRESS DISORDER, SCHIZOPHRENIA AND PARKINSON'S DISEASE

ERESHIA GABIER, ET AL.

(Abstract Nr 19)

Theme 4 / Tema 4

Non-Communicable Diseases / Nie-Oordraagbare Siektes

Lecture Hall 5 (Old Main Lecture Hall) / Lesingsaal 5 (Ou Hoofvoorlesingsaal)

Welcome 08h20-08h30: Prof Elvis Iruen

FIRST SESSION / EERSTE SESSIE (Lecture Hall 5 - Old Main Lecture Hall / Lesingsaal 5 - Ou Hoofvoorlesingsaal)

Session Chair / Sessie Voorsitter: Prof Elvis Iruen

- 08h30-08h45 **THE INCIDENCE OF MELANOMA IN SOUTH AFRICA: AN EXPLORATORY ANALYSIS OF NATIONAL CANCER REGISTRY DATA FROM 2005 TO 2013 WITH A SPECIFIC FOCUS ON PIGMENTED SKIN.**
BIANCA TOD, PATRICIA KELLETT, ELVIRA SINGH, WILLIE VISSER, CARL LOMBARD, CARADEE WRIGHT
(Abstract Nr 1)
- 08h45-09h00 **AUTO-ANTIBODY AND CYTOKINE PROFILE OF SLE PATIENTS WITH LUPUS NEPHRITIS COMPARED TO THOSE WITHOUT.**
DIRKIE CLAASSEN, RIETTE DU TOIT
(Abstract Nr 2)
- 09h00-09h15 **PERSONAL AIR POLLUTION EXPOSURE IS ASSOCIATED WITH MARKERS OF CARDIOVASCULAR RISK: FINDINGS FROM THE ENDOAFRICA STUDY.**
FRANS EVERSON, PATRICK DE BOEVER, TIM S. NAWROT, NANDU GOSWAMI, MASHUDU MTHETHWA, INGRID WEBSTER, DRIES S. MARTENS, NYIKO MASHELE, SANA CHARANIA, FESTUS KAMAU, HANS STRIJDOM
(Abstract Nr 3)
- 09h15-09h30 **PHYSICAL ACTIVITY AND RISK FACTORS FOR CHRONIC NON-COMMUNICABLE DISEASE IN RELATION TO DISEASE SEVERITY IN PATIENTS WITH MS – A CROSS SECTIONAL SURVEY.**
DESIREE MAARTENS, WAYNE DERMAN, SUSAN HANEKOM, MARTIN HEINE
(Abstract Nr 4)
- 09h30-09h45 **PREVALENCE OF DYSLIPIDAEMIA AND HYPERTENSION IN DIABETIC PATIENTS AT TYGERBERG CHILDREN'S HOSPITAL.**
LUVINA NUCKCHEDEE DOOKHONY, EKKEHARD ZOLLNER, CARL LOMBARD
(ABSTRACT NR 5)
- 09h45-10h00 **ENDOCRINE COMMUNICATION BETWEEN ADIPOCYTES AND PROGENITOR CELLS: IMPLICATIONS FOR VISCERAL OBESITY.**
WILLIAM HAYLETT, ELLEN ANDRAG, WILLIAM FERRIS
(Abstract Nr 6)
- 10h00-10h30 **TEA AND POSTER DISCUSSIONS**

SECOND SESSION / TWEDE SESSIE (Lecture Hall 5 - Old Main Lecture Hall / Lesingsaal 5 - Ou Hoofvoorlesingsaal)

Session Chair / Sessie Voorsitter: Prof Eric Decloedt

- 10h30-10h45 **RENAL OUTCOMES OF IDIOPATHIC MESANGIOCAPILLARY GLOMERULONEPHRITIS AT A TERTIARY HOSPITAL IN SOUTH AFRICA.**
AMAAN SHABIER PANDAY, MOGAMMAT YAZIED CHOTHIA, WILLIAM D BATES, LIEZEL COETZEE (Abstract Nr 7)
- 10h45-11h00 **THE INCIDENCE OF MOTOR NEURON DISEASE IN THE WESTERN CAPE PROVINCE OF SOUTH AFRICA.**
FRANCLO HENNING, JEANNINE HECKMANN, KIRESHNEE NAIDU, LOUIS VLOK, HELEN CROSS, SARVANI CHETTY, BENOIT MARIN
(Abstract Nr 8)
- 11h00-11h15 **IDENTIFICATION OF A NOVEL IRAK1 MUTATION IN A PATIENT WITH RECURRENT MYCOBACTERIUM TUBERCULOSIS INFECTIONS.**
ENGELBRECHT, M.A. , GLANZMANN, B. , ESSER, M.M. , URBAN, M.F. , GLASHOFF, R.H. , DURRHEIM, G.A, CORNELISSEN, H. , UREN, C. , MOLLER, M. , KINNEAR, C.J.
(Abstract Nr 9)
- 11h15-11h30 **CLINICAL AND ECHOCARDIOGRAPHIC CHARACTERISTICS OF MYOCARDIAL INJURY IN SYSTEMIC LUPUS ERYTHEMATOSUS, CLASSIFIED ACCORDING TO CARDIAC MAGNETIC RESONANCE CRITERIA.**
RIETTE DU TOIT
(Abstract Nr 10)
- 11h30-11h45 **TAXATION OF SUGAR-SWEETENED BEVERAGES IN SOUTH AFRICA: PERSPECTIVES OF DIETITIANS.**
ADAMS A, HANNAH J, KEMPER B, LE ROUX D, STEENKAMP B, EBRAHIM Z, SMIT Y, KOEN N
(Abstract Nr 11)
- 11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

- 12h15-13h00: **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
Prof Jimmy Volmink (Dean, Faculty of Medicine and Health Sciences, Stellenbosch University)
- 13h00-13h15: **INTRODUCTION OF GUEST SPEAKER:**
Prof Jimmy Volmink
- 13h15-14h00: **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"
- 14h00-14h30: **TEA AND POSTER DISCUSSIONS**

THIRD SESSION / DERDE SESSIE (Lecture Hall 5 - Old Main Lecture Hall / Lesingsaal 5 - Ou Hoofvoorlesingsaal)

Session Chair / Sessie Voorsitter: Dr Riette Du Toit

- 14h30-15h00 **STATE OF THE ART LECTURE 3**
THE IMPACT OF HIV-STATUS IN LOCALLY ADVANCED CERVICAL CANCER
PROF HANNAH SIMONDS
- 15h00-15h15 **REVIEW OF STROKE MORTALITY AND MORBIDITY RATES IN TYGERBERG HOSPITAL.**
LEANNE YOUNG, NAEEM BREY
(Abstract Nr 12)
- 15h15-15h30 **THE SOUTH AFRICAN SHARE-TAVI REGISTRY: INCIDENCE AND RISK FACTORS LEADING TO CONDUCTION DISTURBANCES REQUIRING PERMANENT PACEMAKER IMPLANTATION.**
HR DU TOIT, AF DOUBELL, HSVH WEICH
(Abstract Nr 13)
- 15h30-15h45 **SYSTEMATIC REVIEW OF GENETIC FACTORS IN THE AETIOLOGY OF OESOPHAGEAL SQUAMOUS CELL CARCINOMA IN AFRICAN POPULATIONS.**
HANNAH SIMBA, HELENA KUIVANIEMI, VITTORIA LUTJE, GERARD TROMP, VIKASH SEWRAM
(Abstract Nr 14)
- 15h45-16h00 **RADIAL ARTERY DIMENSIONS IN SOUTH AFRICAN PATIENTS UNDERGOING TRANSRADIAL CORONARY ANGIOGRAPHY.**
ANNARET SWANEPOEL, JACQUES DOUBELL, JAN STEYN, ANTON DOUBELL
(Abstract Nr 15)
- 16h00-16h15 **TEN-YEAR FOLLOW-UP OF CLINICAL OUTCOME IN BREAST CANCER PATIENTS TREATED WITH TAMOXIFEN: CONSIDERATION OF NANOPORE SEQUENCING USING A POCKET-SIZE MINION DEVICE.**
NICOLE VAN DER MERWE, KARIN J. BAATJES, ARMAND V. PEETERS, MARITHA J. KOTZE
(Abstract Nr 16)
- 16h15-16h30 **PREVALENCE OF NON-COMMUNICABLE DISEASES IN ADULTS LIVING WITH THE HUMAN IMMUNODEFICIENCY VIRUS: AN OVERVIEW OF SYSTEMATIC REVIEWS.**
SHAHISTA JAFFER, TARYN YOUNG
(Abstract Nr 17)
- 16h30-16h45 **EXPLORING THE ROLE OF GENOMICS IN POSTMENOPAUSAL BREAST CANCER PATIENTS TREATED WITH AROMATASE INHIBITORS: ONE-YEAR FOLLOW-UP.**
KARIN BAATJES, MAGDA CONRADIE, ARMAND PEETERS, MICHEAL MCCAUL, MARIA CONRADIE, JUSTUS APFFELSTAEDT, MARITHA KOTZE
(Abstract Nr 18)

POSTERS / PLAKKATE

- 1. DETECTION OF LARGE DELETIONS IN THE BRCA1/2 GENES USING A COMBINATION OF WHOLE-EXOME AND MINION-BASED LONG-RANGE NANOPORE SEQUENCING.**
ARMAND PEETERS, ABISOLA OKUNOLA, CLAIR ENGELBRECHT, MARDELLE, MARITHA KOTZE
(Abstract Nr 19)
- 2. CONSTRUCTING RECOMBINATION MAPS FOR POPULATIONS WITH COMPLEX ANCESTRY**
GERALD VAN EEDEN, CAITLIN UREN, MARLO MOLLER
(Abstract Nr 20)
- 3. USING EXOME SEQUENCING TO DETERMINE THE PATHOGENIC VARIANTS IN AN INDIVIDUAL WITH MABRY SYNDROME USING GENOMIC TESTING**
SAMANTHA BAYLEY, CAITLIN UREN, CRAIG KINNEAR, HEIDRE BEZUIDENHOUT
(Abstract Nr 21)
- 4. IMMUNO-ENDOCRINE INTERACTIONS IN CLOSE CONTACTS OF TUBERCULOSIS PATIENTS WITH AND WITHOUT TYPE 2 DIABETES**
TARIQ WEBBER, LEANIE KLEYNHANS, ILZE LOUW, HAPPY TSHIVHULA, CARINE KUNSEVI-KILOLA, GERHARD WALZL, KATHARINA RONACHER
(Abstract Nr 22)
- 5. IMPACT OF SALT INDUCED HYPERTENSION IN CAPTIVE-BRED VERVET MONKEYS (CHLOROCEBUS AETHIOPS)**
SANELE KHOZA , ZANDISIWE MAGWEBE , MEENU GHAI , CHESA CHAUKE
(Abstract Nr 23)
- 6. THE GENDER DIFFERENCES IN PHENOTYPE OBSERVED IN HIGH FAT, HIGH SUGAR DIET-FED WISTAR RATS**
YOONUS ABRAHAMS, EBRAHIM SAMODIEN, RABIA JOHNSON, SHANTAL WINDVOGEL, CARMEN PHEIFFER
(Abstract Nr 24)
- 7. THE ROLE OF ATAXIA TELANGIECTASIA MUTATED PROTEIN KINASE (ATM) ON METFORMIN TREATMENT EFFICACY: A STUDY CONDUCTED IN AN OBESE, INSULIN RESISTANT IN VITRO CARDIOMYOBlast MODEL**
LORENZO BENNIE, MARGUERITE BLIGNAUT, BARBARA HUISAMEN
(Abstract Nr 25)
- 8. THE TAXATION OF SUGAR-SWEETENED BEVERAGES IN SOUTH AFRICA: PERSPECTIVES OF CONSUMERS IN THE CITY OF CAPE TOWN, WESTERN CAPE, SOUTH AFRICA**
AZIWE BOOI, ANIKA BOTHA, MANDISA MZILA, SANTI TURNER, JANCKE VAN DYK, , YOLANDE SMIT, ZARINA EBRAHIM, NELENE KOEN
(Abstract Nr 26)

- 9. THE TAXATION OF SUGAR SWEETENED BEVERAGES IN SOUTH AFRICA:THE PERSEPCTIVES OF KEY-ROLEPLAYERS IN THE CITY OF CAPE TOWN, WESTERN CAPE, SOUTH AFRICA**
ALEXA THERON, SABEEHA ABDULLAH, JESSICA NATHAN, BARBARA CRONJE , YOLANDE SMIT , ZARINA EBRAHIM, NELENE KOEN
 (Abstract Nr 27)
- 10. A GAME OF CLONES: A CASE OF ELANE GENE MUTATION-RELATED CYCLIC NEUTROPENIA**
NOMUSA MASHIGO, MONIKA ESSER
 (Abstract Nr 28)
- 11. THE UTILITY OF TTF-1, NAPSIN A, CK5 AND P63 STAINING IN THE SUB-CLASSIFICATION OF NON-SMALL CELL CARCINOMA OF THE LUNG**
ADRI VAN ZYL, PAWEL T SCHUBERT, COENRAAD FN KOEGELENBERG
 (Abstract Nr 29)
- 12. AGREEMENT BETWEEN POINT-OF-CARE BLOOD GAS ANALYZER AND LABORATORY AUTOANALYZER MEASUREMENTS IN PATIENTS WITH HYPERKALAEMIA**
 PATRICIA KASSUM, YAZIED CHOTHIA
 (Abstract Nr 30)
- 13. INVESTIGATION OF THE ROLE OF VITAMIN D METABOLISM IN SOUTH AFRICAN BREAST CANCER PATIENTS USING WHOLE EXOME SEQUENCING**
ABISOLA OKUNOLA, TORROREY-SAWÉ RISPÁH, BAATJES K.J, ZEMLIN A.E, ERASMUS R.T, KOTZE M.J
 (Abstract Nr 31)
- 14. EPIDEMIOLOGY OF BURKITT LYMPHOMA DIAGNOSED AT TYGERBERG HOSPITAL SOUTH AFRICA 2007 - 2014.**
ERNEST MUSEKWA, ZIVANAI CHAPANDUKA, FATIMA BASSA, MARIANA KRUGER
 (Abstract Nr 32)
- 15. IDENTIFICATION AND FUNCTIONAL VERIFICATION OF MUTATIONS RESPONSIBLE FOR SEVERE COMBINED IMMUNODEFICIENCY IN SOUTH AFRICAN PATIENTS**
SWART, R.G., GLANZMANN, B., UREN, C., ESSER, M.M., URBAN, M.F., GLASHOFF, R.H., DURRHEIM, G.A., CORNELISSEN, H., MOLLER, M., KINNEAR, C.J.
 (Abstract Nr 33)
- 16. CHALLENGES IN SCREENING OF MONOCLONAL PROTEIN**
 AYE AYE KHINE, MARIZNA KORE, ELSIE KRUGER
 (Abstract Nr 34)
- 17. MACRO-TSH: A CAUSE OF DISCORDANT THYROID FUNCTION PROFILE**
THUMEKA JALAVU, DR AYE AYE KHINE
 (Abstract Nr 35)
- 18. A SCOPING REVIEW OF SPEECH AND SWALLOWING ASSESSMENTS FOR ADULTS WITH GENERALIZED MYASTHENIA GRAVIS**
RETHA DE WET

(Abstract Nr 36)

19. "I AM ACTIVE AND HEALTHY, SO I DON'T NEED TO MAKE LIFESTYLE CHANGES!" A SHORT REPORT OF CLINICAL MARKERS OF "RISK" FOR NCD'S VERSUS HEALTH AND PHYSICAL ACTIVITY PERCEPTIONS IN A LOW-RESOURCED SETTING.

ASHLEIGH ROBINSON, BRITTANY FELL, SUSAN HANEKOM, WAYNE DERMAN, MARTIN HEINE
(Abstract Nr 37)

20. EVALUATION OF CEPHEID® XPRT® BCR-ABL MONITOR AND ULTRA ASSAYS USED IN THE MOLECULAR MONITORING OF CHRONIC MYELOID LEUKAEMIA PATIENTS

CHANTAL DE LONG, RAVNIT GREWAL, FATIMA BASSA, LYNTHIA PAUL, CARMEN SWANEPOEL
(Abstract Nr 38)

21. FIBROUS DYSPLASIA OF THE FEMORAL NECK: TREATMENT BY VASCULARIZED FIBULA TRANSFER

SIDDHARTH GAUTAM, ALEX ZÜHLKE, SAMMY AL-BENNA
(Abstract Nr 39)

22. CLINICAL BREAST SCREENING OF WOMEN WORKING WITHIN THE CAPE UNION MART GROUP: A PILOT STUDY: INTERIM FINDINGS

LINDI MARTIN, JENNY EDGE, LIESKE WEGELIN, BRITTA DEDEKIND
(Abstract Nr 40)

23. A RETROSPECTIVE STUDY OF 16 PATIENTS WITH SARCOMAS OR PHYLLODES TUMOURS (BORDERLINE OR MALIGNANT) OF THE BREAST AND A COMPARISON WITH PATIENTS WITH BREAST CARCINOMA

JENNY EDGE, EBBA K LINDQVIST, RIETTE BURGER, KARIN BAATJES, WILHELMINA CONRADIE, LOUIS DE JAGER
(Abstract Nr 41)

24. INTEGRATING TUMOUR PATHOLOGY WITH MOLECULAR AND BIOCHEMICAL GENETICS TOWARDS INDIVIDUALISED TREATMENT OF BREAST CANCER

MARITHA J. KOTZE, ABISOLA O. OKUNOLA, ARMAND V. PEETERS, NICOLE VAN DER MERWE, RISPAN TORROREY-SAWA, KARIN J. BAATJES, MAGDA CONRADIE, JOHANN W. SCHNEIDER
(Abstract Nr 42)

25. ASSESSING THE DIAGNOSTIC ACCURACY OF A FIVE CABLE ECG PROTOTYPE

GIDEON JOHN TITUS, H.S.V.H. WEICH, A.F. DOUBELL
(Abstract Nr 43)

26. THIRD MOLAR AGENESIS AND IMPACTION PREVALENCE IN THE KIRSTEN SKELETAL COLLECTION

MEGHAN JO-ANN BREDENKAMP, AMANDA ALBLAS, LINDA GREYLING

Theme 5 / Tema 5

Maternal and Child Health / Moeder en Kind Gesondheid

Lecture Hall 12 / Lesingsaal 12

Welcome 09h00-09h10: Prof Mariana Kruger

FIRST SESSION / EERSTE SESSIE (Lecture Hall 12)

Session Chair / Sessie Voorsitter: Prof Adrie Bekker

- 09h10-09h20 **THE CONTEXT OF FETAL VENTRICULOMEGALY IN A DEVELOPING COUNTRY**
NELIS PRETORIUS
(Abstract Nr 1)
- 09h20-09h30 **LETHAL MULTIPLE PTERYGIUM SYNDROME: A SOUTH AFRICAN CASE SERIES**
LIANI SMIT
(Abstract Nr 2)
- 09h30-09h40 **WHY MOTHERS (CONTINUE TO) DRINK DURING PREGNANCY - A DESCRIPTIVE PHENOMENOLOGICAL INVESTIGATION IN A DEEPLY RURAL AREA**
ISMAIL RAWOOT
(Abstract Nr 3)
- 09h40-09h50 **GUIDELINES NEEDED TO IMPROVE CLINICAL AND LABORATORY DIAGNOSIS, TREATMENT AND CARE OF TB-EXPOSED INFANTS IN SOUTH AFRICA**
ANANJA VAN DER WESTHUIZEN
(Abstract Nr 4)
- 09h50-10h00 **CHILDHOOD CANCERS MISDIAGNOSED AS TUBERCULOSIS IN A SETTING OF HIGH TUBERCULOSIS PREVALENCE**
JENNIFER VAN HEERDEN
(Abstract Nr 5)
- 10h00-10h30: **TEA AND POSTER DISCUSSIONS**

SECOND SESSION / TWEEDE SESSIE (Lecture Hall 12)

Session Chair / Sessie Voorsitter: Prof Regan Solomons

- 10h30-11h00 **PHD LECTURE 1**
REDUCING TUBERCULOSIS IN THE LOCAL COMMUNITIES THROUGH TARGETED PREVENTION & CARE STRATEGIES - THE EXAMPLE OF FORMER TB PATIENTS IN SUBURBAN CAPE TOWN
FLORIAN MARX
(Abstract Nr 1)

11h00-11h30 **PHD LECTURE 2**
HOW CAN OPERATIONAL MODELLING INFORM THE SCALE-UP OF NEW
MOLECULAR DIAGNOSTIC TOOLS FOR TUBERCULOSIS?
RORY DUNBAR
(Abstract Nr 2)

11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

12h15-13h00: **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
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13h00-13h15: **INTRODUCTION OF GUEST SPEAKER:**
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13h15-14h00: **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"

14h00-14h30: **TEA AND POSTER DISCUSSIONS**

THIRD SESSION / DERDE SESSIE (Lecture Hall 12)

Session Chair/ Sessie Voorsitter: Dr Lizel Lloyd

14h30-14h40 **MORTALITY AND OUTCOMES OF EXTREMELY LOW BIRTH WEIGHT**
INFANTS IN THE FIRST YEAR OF LIFE: A RETROSPECTIVE COHORT STUDY
GRACE MUSIIME
(Abstract Nr 6)

14h40-14h50 **LATE PRETERM INFANTS' OUTCOMES WITHIN THE FIRST WEEK OF LIFE,**
BORN AT TYGERBERG HOSPITAL
MAGRIET VAN NIEKERK
(Abstract Nr 7)

14h50-15h00 **OUTCOMES OF INFANTS WITH HIE TREATED WITH COOLING OR COOLING**
PLUS MORPHINE AT A TERTIARY HOSPITAL IN SOUTH AFRICA
GUGU KALI
(Abstract Nr 8)

15h00-15h10 **CHALLENGES WITH RECOGNITION OF NEWBORNS AT HIGH RISK FOR**
PERINATAL HIV TRANSMISSION IN RURAL WESTERN CAPE, SOUTH
AFRICA
TRACY CUMMINS
(Abstract Nr 9)

15h10-15h20 **HEMODYNAMIC EFFECTS OF PDA CLOSURE IN STABLE PRETERM INFANTS**
IN THE FIRST 72HOURS OF LIFE: A LONGITUDINAL STUDY USING

**ECHOCARDIOGRAPHY AND NON-INVASIVE CARDIAC OUTPUT
MONITORING**

LIZELLE VAN WYK
(Abstract Nr 10)

15h20-15h30 **AN OVERVIEW OF THE PATIENT POPULATION PRESENTING WITH
CONGENITAL TALIPES EQUINOVARUS (CTEV) AT A TERTIARY HOSPITAL IN
THE WESTERN CAPE**

Mari Thiar
(Abstract Nr 11)

15h30-15h40 **RISK-STRATIFICATION OF YOUNG CHILDREN PRESENTING TO
AMBULATORY PEDIATRICS WITH FIRST-ONSET SEIZURES: SHOULD WE
ORDER AN URGENT CT BRAIN?**

JAAANRI BRUGMAN
(Abstract Nr 12)

15h40-15h50 **REPORTED COMPETENCIES OF JUNIOR MEDICAL DOCTORS IN MANAGING
SERIOUSLY ILL AND INJURED CHILDREN IN SOUTH AFRICAN HOSPITALS**

LOUISA ERASMUS
(Abstract Nr 13)

16h00-16h30 **SHORT BREAK AND POSTER DISCUSSIONS**

PLEASE NOTE: (SESSION SPLITS INTO TWO TRACKS IN DIFFERENT VENUES FROM HERE)

FOURTH SESSION / VIERDE SESSIE (Lecture Hall 4)

OBSTETRICS AND GYNAECOLOGY / VERLOSKUNDE EN GINEKOLOGIE

Session Chair/ Sessie Voorsitter: Dr Jennifer Butt

Welcome: Prof Hennie Botha

16h15-16h30 **NOVEL THERAPEUTICS TO TREAT PRE-ECLAMPSIA**

CATHY CLUVER
(Abstract Nr 14)

16h30-16h45 **CARDIAC MRI FINDINGS IN PATIENTS WITH PRE-ECLAMPSIA
COMPLICATED BY PULMONARY OEDEMA**

LLOYD JOUBERT
(Abstract Nr 15)

16h45-17h00 **PREGNANCY OUTCOMES OF WOMEN CONCEIVING ON ANTIRETROVIRAL
THERAPY (ART) COMPARED TO THOSE COMMENCED ON ART DURING
PREGNANCY**

GERHARD THERON
(Abstract Nr 16)

17h00-17h15 **MATERNAL SAFETY OF A SIMPLE PROTOCOL FOR INSULIN, FOLLOWING
BETAMETHASONE ADMINISTRATION IN AN ANTENATAL WARD, TO
WOMEN WITH DIABETES**

CHANÉ PAULSEN
(Abstract Nr 17)

17h15-17h30 **EXPERIENCES OF WOMEN WHO SURVIVE MAJOR OBSTETRIC HAEMORRHAGE**
JASON BENNETT
(Abstract Nr 18)

FOURTH SESSION / VIERDE SESSIE (Lecture Hall 12)
PAEDIATRICS AND CHILD HEALTH / PEDIATRIE EN KINDERGESONDHEID
Session Chair/ Sessie Voorsitter: Prof Mariana Kruger

16h30-17h00 **PHD LECTURE 3**
THE IMPACT OF THE HPTN 071 (POPART) INTERVENTION ON MORTALITY AND AIDS RELATED MORBIDITY AMONGST HIV POSITIVE ADULTS IN SOUTH AFRICA
PETER BOCK
(Abstract Nr 3)

17h00-17h30 **PHD LECTURE 4**
THE CONTRIBUTION OF A COMMUNITY BASED HIV COUNSELING AND TESTING (HCT) INITIATIVE IN WORKING TOWARDS INCREASING ACCESS TO HIV COUNSELING AND TESTING IN CAPE TOWN, SOUTH AFRICA
SUE-ANN MEEHAN
(Abstract Nr 4)

17h30-18h00 **PHD LECTURE 5**
ADDRESSING CRITICAL KNOWLEDGE GAPS TO IMPROVE AND SHORTEN MULTIDRUG-RESISTANT TUBERCULOSIS TREATMENT REGIMENS IN CHILDREN
ANTHONY GARCIA-PRATS
(Abstract Nr 5)

18h00 **PAEDIATRICS COCKTAIL EVENING FUNCTION (Foyer)**

EVENING SESSION / AANDESSIE (Lecture Hall 4)
OBSTETRICS AND GYNAECOLOGY / VERLOSKUNDE EN GINEKOLOGIE

17h30-18h30 **OBSTETRICS AND GYNEACOLOGY COCKTAIL EVENING FUNCTION (Foyer)**

18h30-18h45 Welcome and Introduction
Prof Hennie Botha

18h45-19h30 **JN DE VILLIERS MEMORIAL LECTURE**
ERRORS MADE AND LESSONS LEARNT IN RESEARCH
PROF BOB PATTINSON

POSTERS / PLAKKATE

1. **THE EFFECTIVENESS OF ABDOMINAL AND/OR PELVIC FLOOR EXERCISES TO IMPROVE DIASTASIS RECTI ABDOMINIS, LOW BACK PAIN AND PELVIC FLOOR DYSFUNCTION IN POSTPARTUM WOMEN**
NADINE EDDY
(Abstract Nr 20)

2. **LOW NICOTINE AND ETHANOL ADMINISTRATION: FRIEND OR FOE OF SPERMATOZOA**
TEMIDAYO SIYANBOLA
(Abstract Nr 21)

3. **THORACIC FLUID CONTENT AND RESPIRATORY DISTRESS IN PRETERM INFANTS: A LONGITUDINAL BIOREACTANCE STUDY**
LIZELLE VAN WYK
(Abstract Nr 22)

4. **EARLY COMMUNICATION INTERVENTION SERVICE DELIVERY MODELS IN LOW-MIDDLE INCOME COUNTRIES AND LOW-RESOURCE SETTINGS: A SCOPING REVIEW**
CARMELL PILLAY
(Abstract Nr 23)

5. **PRETERM INFANT CAREGIVERS' PERSPECTIVES ON BASIC INFANT LIFE SUPPORT TRAINING BEFORE DISCHARGE: A DESCRIPTIVE CASE STUDY AT A SECONDARY HOSPITAL IN THE WESTERN CAPE, SOUTH AFRICA.**
ANNE BEATRICE AFRICA
(Abstract Nr 24)

6. **THE EXPERIENCES OF ADOLESCENT MOTHERS PROVIDING KANGAROO MOTHER CARE.**
ANNELINE ROBERTSON
(Abstract Nr 25)

7. **THE PHARMACOKINETICS OF CRUSHED LEVETIRACETAM ADMINISTERED TO NEONATES**
V. PILLAY-FUENTES LORENTE
(Abstract Nr 26)

8. **DESCRIBING THE MANAGEMENT AND RISK OF SEIZURE RECURRENCE IN CHILDREN DIAGNOSED WITH NEUROCYSTICERCOSIS IN A TERTIARY HOSPITAL IN SOUTH AFRICA**
TINA LOUW
(Abstract Nr 27)

9. **WHAT IS KNOWN FROM THE EXISTING LITERATURE ABOUT THE ASSESSMENT OF STUTTERING OF CHILDREN (0-18 YEARS) WHEN THE CLINICIAN IS NOT PROFICIENT IN THE CHILD'S HOME LANGUAGE.**
SOFIA MOUTZOURIS
(Abstract Nr 28)

10. **PALATABILITY AND ACCEPTABILITY OF ROUTINELY USED FORMULATIONS OF LEVOFLOXACIN, MOXIFLOXACIN AND LINEZOLID AMONG SOUTH AFRICAN CHILDREN TREATED FOR MULTIDRUG-RESISTANT TUBERCULOSIS**
JL WINCKLER
(Abstract Nr 29)

11. **INFANTS 21-90 DAYS PRESENTING WITH A POSSIBLE SERIOUS BACTERIAL INFECTION – ARE EVALUATION ALGORITHMS FROM HIGH INCOME COUNTRIES APPLICABLE IN THE SOUTH AFRICAN PUBLIC HEALTH SECTOR?**
JUANITA LISHMAN
(Abstract Nr 30)

12. COULD A GLUCOCORTICOID RECEPTOR POLYMORPHISM BE PROTECTIVE AGAINST HYPOTHALAMIC-PITUITARY-ADRENAL AXIS SUPPRESSION IN ASTHMATIC CHILDREN ON CORTICOSTEROIDS?

EKKEHARD ZÖLLNER

(Abstract Nr 31)

13. LABORATORY MARKER PROFILE OF PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS IN A PAEDIATRIC RHEUMATOLOGY OUTPATIENT CLINIC SERVICE AT TYGERBERG HOSPITAL

LEIGH-ANN WOOD-POTTLE

(Abstract Nr 32)

14. DELAYED REPAIR OF UNCOMPLICATED INGUINAL HERNIAS IN INFANTS IS SAFE
STEFAN BOTES

(Abstract Nr 33)

Theme 6 / Tema 6

Perioperative Sciences/ Perioperatiewe Wetenskappe Lecture Hall 8 / Lesingsaal 8

FIRST SESSION / EERSTE SESSIE (Lecture Hall 8)

Chairperson / Voorsitter: Prof Robert Lamberts

10h30-10h40	Welcome: Prof Robert Lamberts
10h40-10h50 SURGERY	APPLICATIONS OF LOW COST 3D PRINTING IN ORTHOPAEDIC <u>RG VENTER</u> (Abstract Nr 1)
10h50-11h00	3D PRINTED MODELS: AN EXCITING ADDITION TO ANATOMICAL EDUCATION <u>KA KEET</u> , RG VENTER (Abstract Nr 2)
11h00-11h10	THE BONY ANATOMY OF THE RADIUS AND ULNA: A COMPUTED TOMOGRAPHY STUDY FOR IMPLANT DESIGN AND RELATED RESEARCH <u>HS PRETORIUS</u> (Abstract Nr 3)
11h10-11h20	THE EFFECT OF AN INFORMATION SESSION ON IONIZING RADIATION EXPOSURE IN ORTHOPAEDIC SURGEONS <u>R SALIE</u> , J DU TOIT, MC BURGER, RP LAMBERTS (Abstract Nr 4)
11h20-11h30	THE EFFECT OF AN INFORMATION SESSION ON IONIZING RADIATION EXPOSURE IN ORTHOPAEDIC SURGEONS <u>N LE ROUX</u> , M VAN HEUKELUM, SM JAKOET, M BURGER, N FERREIRA (Abstract Nr 5)
11h30-11h40	PERIOPERATIVE CARE OF ELECTIVE PATIENTS WITH MORBIDLY ADHERENT PLACENTA– FOUR CASE REPORTS AND A REVIEW OF THE LITERATURE <u>AN JACOBS</u> , JL BURKE, AI LEVIN, GS GEBHARDT (Abstract Nr 6)
11h45-12h15	LUNCH (Foyer between Lecture Hall 11 and 12) and POSTER DISCUSSIONS

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

Session Chair / Sessie Voorsitter: Prof Nico C Gey van Pittius (Vice Dean: Research)

- 12h15-13h00 **DEAN'S ADDRESS** (including the handing over of the HD Brede Awards for TB research and Faculty Awards for Excellence in a Master's programme)
Prof Jimmy Volmink (Dean, Faculty of Medicine and Health Sciences, Stellenbosch University)
- 13h00-13h15 **INTRODUCTION OF GUEST SPEAKER:**
Prof Jimmy Volmink
- 13h15-14h00 **GUEST SPEAKER** (see page 8)
Prof Himla Soodyall - Executive Officer of the Academy of Science of South Africa (ASSAf) and Research Professor in Human Genetics at NHLS/Wits.
Presentation title: "*Genetic ancestry and identity: lessons from southern Africa*"

SECOND SESSION / TWEEDE SESSIE (Lecture Hall 8)

Chairperson / Voorsitter: Prof Robert Lamberts

- 14h30-15h00 **STATE OF THE ART PRESENTATION 4**
UNLOCKING THE MYSTERIES OF OCULAR INFLAMMATION: THE PAST, PRESENT AND FUTURE
PROF DERRICK SMIT
- 15h00-15h10 **EVALUATING THE DIFFERENCES IN THE EARLY LAPAROSCOPIC DONOR NEPHRECTOMY LEARNING CURVES OF A SWISS HIGH VOLUME TRANSPLANT PROGRAM AND A SOUTH AFRICAN LOW VOLUME TRANSPLANT PROGRAM AFTER KNOWLEDGE TRANSFER**
A VAN DER MERWE, N EBINGER MUNDORF, H VAN HEERDEN, G BONKAT, H VAN DEVENTER, G MANTICA, Z KEYSER, A BACHMANN
(Abstract Nr 7)
- 15h10-15h20 **TREATMENT AND OUTCOMES OF PAEDIATRIC PATIENTS WITH AGGRESSIVE FIBROMATOSIS OF THE MANDIBLE**
A ZUHLKE
(Abstract Nr 8)
- 15h20-15h30 **THE EFFECT OF PERI-OPERATIVE FLUID THERAPY ON HAEMATOCRIT IN SPINAL FUSION SURGERY**
IS WALKER, AJ VLOK
(Abstract Nr 9)
- 15h30-15h40: **PREVALENCE OF A PERI-OPERATIVE TROPONIN LEAK IN PATIENTS UNDERGOING HIP ARTHROPLASTY FOR A NECK OF FEMUR (NOF) FRACTURE IN A SOUTH AFRICAN POPULATION**
R VAN ZYL, M BURGER, K JORDAAN
(Abstract Nr 10)

- 15h40-15h50 **DYNAMIC RISK STRATIFICATION AND AUDIT OF PATIENTS WITH PAPILLARY THYROID CARCINOMA SEEN AT TYGERBERG ACADEMIC HOSPITAL**
S NKABINDE, Y KENTANE, B MOATSHE
 (Abstract Nr 11)
- 15h50-16h00 **CONSERVATIVE MANAGEMENT OF UNCOMPLICATED APPENDICITIS IN A RESOURCE- CONSTRAINED ENVIRONMENT: FEASIBLE PRACTICE?**
R ADU-GYAMFI, T FORGAN
 (Abstract Nr 12)
- 16h00-16h10 **THE EFFECT OF BMI ON OPIOID EFFICACY IN THE IMMEDIATE POST-OPERATIVE PERIOD FOR SPINAL SURGERY**
B HARRINGTON, A VLOK
 (Abstract Nr 13)
- 16h10-16h20: **BIOACTIVE GLASS AS DEAD-SPACE MANAGEMENT FOLLOWING DEBRIDEMENT OF TYPE 3 CHRONIC OSTEOMYELITIS**
 W OOSTHUIZEN, Y TANWAR, RG VENTER, N FERREIRA
 (Abstract Nr 14)
- 16h20-16h40: **BREAK AND POSTERS**

THIRD SESSION / DEREDE SESSIE (Lecture Hall 8)

Chairperson / Voorsitter: Prof Robert Lamberts

- 16H40-16h50 **INDOCYANINE GREEN HIGHLIGHTING THE PATH TO A DRY INGUINAL LYMPH NODE BED**
F CASSIM, C PRICE, P SPIES
 (Abstract Nr 15)
- 16h50-17h00: **ENDOSCOPIC ASSISTED EXTRADURAL HAEMATOMA EVACUATION - A CADAVERIC STUDY**
T GORORO, D ROYTOWSKI
 (Abstract Nr 16)
- 17H00-17h10: **3D-GAIT ANALYSIS IN ADULTS WITH CEREBRAL PALSY; A 6-YEARS FOLLOW-UP STUDY POST ORTHOPAEDIC INTERVENTIONS**
MM EKEN, RP LAMBERTS, J DU TOIT, NG LANGERAK
 (Abstract Nr 17)
- 17h10-17h20 **ENHANCED RECOVERY AFTER SURGERY VERSUS CONVENTIONAL CARE FOR ELECTIVE COLORECTAL SURGERY AT TYGERBERG HOSPITAL**
K MULENGA, T FORGAM
 (Abstract Nr 18)
- 17h20-17h30 **CAREGIVER ANXIETY AND THE ASSOCIATION WITH ACUTE POST-OPERATIVE PAIN IN CHILDREN UNDERGOING ELECTIVE AMBULATORY SURGERY AT TYGERBERG AND KARL BREMER HOSPITAL**
R KNOETZE, A LACHMAN, S CHETTY
 (Abstract Nr 19)

- 17H30-17h40 **PREDICTORS OF POST PARATHYROIDECTOMY HYPOCALCEMIA IN THE TREATMENT OF PRIMARY HYPERPARATHYROIDISM AT TYGERBERG HOSPITAL**
HP MOUTON, D NZAMA, J EDGE, W CONRADIE
 (Abstract Nr 20)
- 17h40-17h50 **WHAT THEY SAY VS. WHAT THEY DO: ASSESSING PHYSICAL RECOVERY AFTER TOTAL KNEE ARTHROPLASTY COMPARING WEARABLE MOTION SENSORS AND SELF-REPORTED PROMS**
M VAN HEUKELEUM, S BOLINK, B GRIMM
 (Abstract Nr 21)
- 17h50-18h00 **SHIFTING THE PARADIGM IN ADRENAL SURGERY: A CASE SERIES OF POSTERIOR RETROPERITONEOSCOPIC ADRENALECTOMIES AT TYGERBERG HOSPITAL**
 W CONRADIE, A LAMBRECHTS, J EDGE, A SENEKAL, M CONRADIE, A COETZEE, R JACOBS
 (Abstract Nr 22)

POSTERS / PLAKKATE

1. **OUTCOMES OF COMPLICATED APPENDICITIS IN A RESOURCE LIMITED SETTING: IS CONSERVATIVE MANAGEMENT A BETTER OPTION? STUDY OF THE PREOPERATIVE FASTING DURATION OF ELECTIVE CESAREAN SECTION PATIENTS, AT TYGERBERG HOSPITAL, AND THE INCIDENCE OF FASTING HYPOGLYCEMIA & KETONURIA**
R ADU-GYAMF, T FORGAN
 (Abstract Nr 23)
2. **A LITERATURE REVIEW OF ILIOCAPSULARIS: THE FORGOTTEN MUSCLE**
KA KEET
 (Abstract Nr 24)
3. **ANAPHYLACTIC EVENTS FOLLOWING CYSTOSCOPY UNDER LOCAL ANESTHESIA: A REVIEW OF 8 CASES**
A SOLAIMAN, A VAN DER MERWE
 (Abstract Nr 25)
4. **PREDICTORS OF 1-YEAR SURVIVAL IN SOUTH AFRICAN TRANSCATHETER AORTIC VALVE IMPLANT CANDIDATES**
J LIEBENBERG, H WEICH, A DOUBELL, J VAN WYK, M KIDD, T MABIN
 (Abstract Nr 26)

Theme 7 / Tema 7

Violence, Injuries, Trauma and Rehabilitation / Geweld, Beserings, Trauma en Rehabilitasie

Lecture Hall 4 / Lesingsaal 4

Welcome 08:30 – 08:40: Dr Yolande Brink

FIRST SESSION / EERSTE SESSIE (Lecture Hall 4)

Chairperson / Voorsitter: Dr Yolande Brink

- 08h40-08h50 **IPE TOUR DE CIRCUIT": INTERPROFESSIONAL COLLABORATION DURING AN INTEGRATED CIRCUIT GROUP ACTIVITY WITH STROKE PATIENTS AT BLRC**
ADNIL TITUS, MAATJE KLOPPERS, FAEZA BARDIEN, JUANITA BESTER, GAKEEMAH INGLIS-JASSIEM
(Abstract Nr 1)
- 08h50-09h00 **A FIVE YEAR CLINICAL AUDIT OF CONCUSSIVE INJURIES IN COLLEGIATE MALE RUGBY - A STELLENBOSCH UNIVERSITY EXPERIENCE**
LOVEMORE KUNOROZVA, JAMES BROWN, PIERRE VIVIERS, WAYNE DERMAN
(Abstract Nr 2)
- 09h00-09h10 **COMMUNITY ASSAULT, AN UNDERESTIMATED INJURY MECHANISM WITH COSTLY CONSEQUENCES: CAN QSOFA SCORING PREDICT RISK?**
ANEL PRINSLOO, ELMIN STEYN, ANKE VERWEY, VUYISWA BIOTUMELO KUBEKA
(Abstract Nr 3)
- 09h10-09h20 **EFFICACY AND PATTERNS OF USE OF ANTIMICROBIAL PROPHYLAXIS FOR GUNSHOT WOUND INFECTION IN A SOUTH AFRICAN HOSPITAL SETTING: AN OBSERVATIONAL STUDY USING PROPENSITY SCORE-BASED ANALYSES**
JACO BOTES, MARTTI VISBEEK, JANTJIE T. TALJAARD, MARK GJ DE BOER, ELMIN STEYN
(Abstract Nr 4)
- 09h20-09h30 **EVALUATING TRAUMA SCORING SYSTEMS FOR PATIENTS PRESENTING WITH GUNSHOT INJURIES TO A DISTRICT-LEVEL URBAN PUBLIC HOSPITAL IN CAPE TOWN, SOUTH AFRICA**
AMALIA LILJEQUIST ASPELUND, MOHAMED Q. PATEL, LISA KURLAND, MICHAEL MCCAU, DANIEL J. VAN HOVING
(Abstract Nr 5)
- 09h30-09h40 **HIGH CONCUSSION RATE IN STELLENBOSCH UNIVERSITY'S 2018 KOSHUIS RUGBY TOURNAMENT**
JAMES CRAIG BROWN, LINDSAY TOYAH STARLING, KEITH STOKES, PIERRE VIVIERS, ESME JORDAAN, SEAN SURMON, ELTON WAYNE DERMAN

(Abstract Nr 6)

09h40-09h50 **OPEN TIBIAL SHAFT FRACTURES: THE EFFECT OF MANAGEMENT DELAYS ON INFECTION RATES: A RETROSPECTIVE COHORT**
TINUS BASSON, N FERREIRA, J DU TOIT, M BURGER
(Abstract Nr 7)

09h40-09h50 **PATIENTS' PERCEPTIONS OF BARRIERS AND FACILITATORS INFLUENCING ABILITY TO RETURN TO WORK POST-STROKE**
SALEEMA KRIEL
(Abstract Nr 8)

10h00-10h30 **TEA AND POSTER DISCUSSION**

SECOND SESSION / TWEEDE SESSIE (Lecture Hall 4)

Chairperson / Voorsitter: Ms Rachel Allgaier

10h30-10h40 **PRIMARY TO SECONDARY SCHOOL TRANSITION OF LEARNERS WITH TRAUMATIC BRAIN INJURIES IN THE CAPE METROPOLITAN AREA: A LEARNER PERSPECTIVE**
KAUTHAR ALLY, SALMAH KHAN, ASMAA BEGUM MUSTAPHA, MARIZAAN MOOLMAN, MISQAH PARKER, LEE-ANN JACOBS-NZUZI KHUABI
(Abstract Nr 9)

10h40-10h50 **PROSPECTIVE RANDOMISED STUDY OF ROUTINE, EARLY JJ URETERIC STENTING IN PATIENTS WITH HIGH-GRADE RENAL LACERATIONS**
ANDRE VAN DER MERWE, MARTHIN ELS, HEIDI VAN DEVENTER, AMIR ZARRABI
(Abstract Nr 10)

10h50-11h00 **SARCOPENIA IN PATIENTS PRESENTING WITH FRAGILITY FRACTURES OF THE HIP AT A TERTIARY FACILITY IN SOUTH AFRICA**
CORNELIUS LAUBSCHER, JACOBUS JORDAAN, MAGDA M CONRADIE, MARILIZE BURGER, RIANA EAGAR
(Abstract Nr 11)

11h00-11h10 **THREE MONTHS IN TYGERBERG ORTHOPEDIC TRAUMA- WHAT IS A REGISTRAR WORTH?**
HENTAS VAN ZYL, NANDO FERREIRA
(Abstract Nr 12)

11h00-11h10 **"IT WOULD HAVE HELPED TO HAVE SUPPORT": SUPPORT NEEDS FOR RE-ENTRANCE AND PARTICIPATION IN HIGH SCHOOL POST TBI**
LEE-ANN JACOBS-NZUZI KHUABI, E. SWART, M.S. SOEKER
(Abstract Nr 13)

11h20-11h30 **INDICATIONS FOR LIMB AMPUTATION IN THE HUMANITARIAN SETTING: A DESCRIPTIVE STUDY FROM MEDECINS SANS FRONTIERES**
PRIYANKA NAIDU, LYNETTE DOMINGUEZ, MIGUEL TRELLES, KATHRYN M. CHU
(Abstract Nr 14)

11h45-12h15 **LUNCH** (Foyer between Lecture Hall 11 and 12) and **POSTER DISCUSSIONS**

MAIN PROGRAMME / HOOFPROGRAM (Lecture Hall 11)

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- 14h00-14h30: **TEA AND POSTER DISCUSSIONS**

POSTERS / PLAKKATE

1. **A RETROSPECTIVE REVIEW OF PARAQUAT EXPOSURES REPORTED TO A POISON CONTROL CENTRE IN SOUTH AFRICA OVER A 3-YEAR PERIOD**
CARINE MARKS ET AL
(Abstract Nr 15)
2. **A RETROSPECTIVE REVIEW OF POTASSIUM PERMANGANATE EXPOSURES REPORTED TO A POISONS CONTROL CENTRE IN SOUTH AFRICA**
CARINE MARKS ET AL
(Abstract Nr 16)
3. **A RETROSPECTIVE REVIEW OF SODIUM CACODYLATE EXPOSURES REPORTED TO A POISON INFORMATION HELPLINE IN SOUTH AFRICA OVER A 3-YEAR PERIOD**
CATHARINA DU PLESSIS ET AL
(Abstract Nr 17)
4. **A RETROSPECTIVE SURVEY OF MARINE ENVENOMATIONS AND POISONINGS AS MANAGED TELEPHONICALLY BY A POISONS CENTER IN SOUTH AFRICA, OVER A 20 YEAR PERIOD**
CARINE MARKS ET AL
(Abstract Nr 18)
5. **CYTOTOXIC SPIDER BITES – CASES OF MISTAKEN IDENTITY**
CATHARINA DU PLESSIS ET AL
(Abstract Nr 19)
6. **EPIDEMIOLOGY OF PUFF ADDER (BITIS ARIETANS) BITE AS DEALT WITH BY THE TYGERBERG POISON INFORMATION CENTRE OVER A 29 YEAR PERIOD: 1985 – 2014**
CHERYLYNN WIUM ET AL
(Abstract Nr 20)
7. **THE EFFECTIVENESS OF LOWER LIMB STRENGTH TRAINING WITH WHOLE BODY VIBRATION TRAINING, COMPARED TO LOWER LIMB STRENGTH TRAINING ALONE, ON LOWER LIMB MUSCLE STRENGTH, FUNCTIONAL EXERCISE CAPACITY, PULMONARY FUNCTION AND QUALITY OF LIFE IN ADULTS WITH COPD**
SUSANNA ALBERTYN ET AL

(Abstract Nr 21)

8. THE ORTHOPAEDIC BURDEN OF CIVILIAN GUNSHOT INJURIES AT A TERTIARY HOSPITAL IN THE WESTERN CAPE

MOGAMAT JAKOET ET AL

(Abstract Nr 22)

9. THE PERCEPTIONS OF PERSONS WITH APHASIA WITH REGARDS TO THEIR EXPERIENCES OF GROUP THERAPY: A SCOPING STUDY

SUNÉ GREEFF ET AL

(Abstract Nr 23)