

WITS SCHOOL OF CLINICAL MEDICINE BIENNIAL RESEARCH DAY

18 SEPTEMBER 2025

07:30-08:30	Registration - Foyer, Wits School of Public Health (SPH)			
08:30-09:30	Opening plenary session- SPH Auditorium Chair: Prof Alisha Wade			
08:30-08:40	Welcome remarks Prof Shabir Madhi, Dean, Faculty of Health Sciences			
08:40-09:00	The importance of research to clinical practice Prof Lynn Morris			
09:00-09:30	The Infectious Diseases and Oncology Research Institute: can innovation improve access? Prof Glenda Gray			
09:40-10:40	PARALLEL ORAL SESSIONS			
Session 1: SPH Auditorium Chair: Prof David Moore Double threat: HIV & antimicrobial resistance			Session 2: SPH Lecture Room 1 Chair: Ms Caz McNamara Biomedical advances	
09:40-09:52	Uncovering adult HIV mortality causes using minimally invasive tissue sampling: a precision medicine research tool. Dr Marguerite Hall	<u>SOCM1-01</u>	Crossing the line: can AI be used to obtain informed consent? Miss Vanessa Dimtcheva	<u>SOCM2-01</u>
09:52-10:04	Characterisation of colistin-resistant Acinetobacter Baumannii and Klebsiella Pneumoniae isolates from a tertiary-level hospital in Johannesburg. Mrs Anjali Mathew	<u>SOCM1-02</u>	3D-printed, tissue-engineered scaffolds for potential liver regeneration following injury. Miss Kate Da Silva	<u>SOCM2-02</u>
10:04-10:16	Risk factors associated with Klebsiella pneumoniae colonisation and invasive disease in adults hospitalised in Johannesburg. Dr Denasha Reddy	<u>SOCM1-03</u>	The efficacy of glycerol processing method in the preparation and preservation of human amniotic membrane. Mrs Cleo Ndhlovu	<u>SOCM2-03</u>
10:16-10:28	Decoding genotypic antimicrobial resistance amongst colistin-resistant gram-negative bacterial isolates at Chris Hani Baragwanath Academic Hospital. Dr Prenika Jaglal	<u>SOCM1-04</u>	Ethical analysis of maintaining somatic support in brain-dead pregnant women for foetal viability and delivery. Miss Priyanka Singh	<u>SOCM2-04</u>
10:28-10:40	The effects of dolutegravir on creatinine clearance in children and adolescents living with HIV. Dr Chiara Sewnarain	<u>SOCM1-05</u>	Using international databases for generating Artificial Intelligence Computer Assisted Detection (AI-CAD) health applications in data scarce environments such as South Africa – a cautionary tale with a proposed solution Mr Sean Terespolsky	<u>SOCM2-05</u>
10:40-11:00	REFRESHMENT BREAK			
11:00-12:00	PARALLEL ORAL SESSIONS			
Session 3: SPH Auditorium Chair: Prof Deirdré Kruger Surgical innovations			Session 4: SPH Lecture Room 1 Chair: Prof Nimmisha Govind Combating infectious disease	
11:00-11:12	Outcomes of the living kidney donor program at Wits Donald Gordon Medical Centre. Dr Charne Janse van Rensburg	<u>SOCM3-01</u>	The use of traditional, complementary, and alternative medicine as a substitute to influenza vaccination. Miss Tshipiso Msibi	<u>SOCM4-01</u>
11:12-11:24	The outcome of hookwire guided breast conserving surgery at CMJAH Breast Unit. Dr Danielle Ferrar (WITHDRAWN)	<u>SOCM3-02</u>	Vaccine hesitancy among pregnant women in South Africa. Dr Mrinmayee Dhar	<u>SOCM4-02</u>

11:24-11:36	Vascular and bleeding complications associated with transcatheter aortic-valve implantation (TAVI) for aortic stenosis. Dr Akshay Manga	<u>SOCM3-03</u>	Retrospective analysis of microbial colonisation of intravascular catheters at an academic hospital in Johannesburg, 2019-2022. Mr Shawn Lutchman	<u>SOCM4-03</u>
11:36-11:48	The prevalence of prosthetic joint infections in haemophilic patients treated at a tertiary hospital. Dr Ntshuxeko Malepfana	<u>SOCM3-04</u>	Profiles of people reached and accessing pre-exposure prophylaxis through a novel pharmacy model: South Africa. Miss Lettie Makola	<u>SOCM4-04</u>
11:48-12:00	Changes in ventricular volume following successful endoscopic third ventriculostomy in a South African paediatric cohort. Dr Mohammed Owais Abdul Sattar	<u>SOCM3-05</u>	High-throughput screening of South African medicinal plants identifies potent antiviral compounds against SARS-CoV-2 and influenza. Dr Luke Invernizzi	<u>SOCM4-05</u>
12:05-13:30	LUNCH BREAK/POSTER SESSION/SPECIAL SESSIONS			
12:05-12:45	Poster session		SPH Resource Centre	
12:45-13:30	Special lunchtime sessions			
	Preparing for a career in industry		SPH Auditorium	
	Advancing your career at Wits - everything you need to know about the promotions process		SPH Lecture Room 1	
	Chair yoga and mindfulness		SPH Lecture Room 3	
	Focused mentoring ○ The juggle is real – finding contentment with your work-life choices ○ Climbing the research ladder – finding and securing that first grant ○ Learning to lead – developing skills for successful leadership		SPH Lecture Room 5	
	Separations - empowering clinical medicine through genomics, diagnostics and precision innovation		SPH Lecture Room 4	
13:45-14:45	PARALLEL ORAL SESSIONS			
Session 5: SPH Auditorium Chair: Prof Nqoba Tsabedze Chronic disease considerations			Session 6: SPH Lecture Room 1 Chair: Dr Craig Keyes Applications beyond the clinic	
13:45-13:57	Antitumor activity of polymer-conjugated betulinic acid in human pancreatic cancer cells. Ms Karabo Sekopi Mosiane	<u>SOCM5-01</u>	Prevalence and patterns of workplace violence in primary health care settings in Ekurhuleni, South Africa. Dr Afolake Amodu	<u>SOCM6-01</u>
13:57-14:09	A dual microbiome-targeted chemotherapeutic drug delivery system for the treatment of non-small cell lung cancer. Miss Shivani Nana	<u>SOCM5-02</u>	Post-traumatic stress disorder in an antenatal population South Africa: prevalence and associated factors. Dr Megan Fyffe	<u>SOCM6-02</u>
14:09-14:21	Hypertension incidence and its correlates in an urban South African middle-aged cohort. Mr Boitumelo Komane	<u>SOCM5-03</u>	Long-acting injectable antipsychotics vs oral antipsychotics: comparing utility and relapse rates in dual diagnosis outpatients. Dr Mohlalefi Charles Letuka	<u>SOCM6-03</u>
14:21-14:33	Genetic insights into dilated cardiomyopathy in African patients using exome sequencing. Miss Minenhle Mayisela	<u>SOCM5-04</u>	Decomposition dynamics in shifting environmental conditions: subaerial to freshwater aquatic transitions and vice versa. Miss Alexandra Lindsay	<u>SOCM6-04</u>
14:33-14:45	Predicting whole exome sequencing results in children with developmental disorders and congenital heart defects. Dr Aliya Mukadam	<u>SOCM5-05</u>	Bone: formation by autoinduction ex vivo? Dr Roland Klar	<u>SOCM6-05</u>

14:45-15:00	REFRESHMENT BREAK
15:00-17:00	Closing plenary session - SPH Auditorium Chair: Prof Zané Lombard
15:00-16:00	Ethics of precision medicine in an unequal world Prof Kevin Behrens
16:00-16:30	Building the clinician research pipeline-approaches, successes and challenges at Wits Prof Ziyaad Dangor
16:30-17:00	Closing remarks and prizegiving Prof Willy Vangu, Acting Head of School, School of Clinical Medicine

ALPHABETICAL LIST OF POSTERS

POSTERS		
	PRESENTER	PAPER TITLE
1	Dr Umar G. Adamu	Outcomes of bioadaptor versus drug-eluting stents in coronary artery disease: a systematic review and meta-analysis
2	Dr Umar G. Adamu	Single versus dual arterial access during TAVI: a systematic review and meta-analysis with trial sequential analysis
3	Dr Afolabi Ajadi	Simulation models for corporal aspiration and irrigation in ischaemic priapism: a systematic review
4	Dr Oluseyi Ajayi	Bacterial pathogens in late-onset sepsis: 8-year trends from a South African NICU
5	Mrs Alonie Gracia Alombong	Isolation and investigation of plant extracellular vesicles in gel formulations for potential wound healing applications
6	Dr Amma Antwi	The prevalence of postoperative pain and its relationship with preoperative anxiety at a tertiary hospital
7	Mr Trevor Baloyi	Commissioning and implementation aspect of the Monaco TPS system at CMJAH
8	Dr Johanni Beukes	Do youth employment initiatives change health behaviours and living conditions of South African young adults?
9	Miss Courtney Boake	Role of tumour-derived exosomes in immune evasion in colorectal cancer
10	Dr Irini Bogiages	Outcomes of complicated acute appendicitis at a central academic hospital in Johannesburg, South Africa
11	Miss Micaela Bouter	Rostered versus actual overtime working hours of medical interns at Helen Joseph Hospital
12	Miss Mackayla Bridger	Evaluating mealworms (<i>Tenebrio molitor</i>) as a maceration method for forensic skeletal preparation
13	Mr Frederik Burger	A review of ICU utilisation and outcomes at a district-level hospital in Gauteng, South Africa
14	Dr Mohammed Farhaan Carrim	Perceived competency of final year medical students in managing acute medical emergencies
15	Miss Vutomi Chabalala	Evaluation of Warburgia salutaris as a potential antimicrobial agent for the treatment of oral infections
16	Dr Mbali Cossie	Radioactive iodine treatment of multifocal variant of papillary thyroid carcinoma with bone metastases at CHBAH
17	Dr Michelle Cremer	Acute myocardial infarction in a patient with anomalous left main coronary artery origin with a hypoplastic left anterior descending artery: a diagnostic and therapeutic challenge
18	Prof John Devar	Metabolomic and lipoprotein profiling of South African gall bladder cancer patients
19	Dr Mrinmayee Dhar	Vaccine uptake during antenatal care among pregnant women in South Africa

20	Dr Mrinmayee Dhar	Value chain situational analysis of maternal immunisation in South Africa
21	Dr Mrinmayee Dhar	Vaccine knowledge among pregnant women receiving ANC in rural, urban and peri-urban clinics in SA
22	Prof Janan Dietrich	The AWARE study: evaluating early warning systems for climate-sensitive infectious diseases: a country case report
23	Mr Siyabonga Dubazana	Time and money costs of accessing pre-exposure prophylaxis for HIV prevention in rural KwaZulu-Natal
24	Miss Sinegugu Dubazana	Multi-omic analyses of the tumour microenvironment of South African pancreatic ductal adenocarcinoma patients
25	Dr Sandra Fernandes	The clinical management of COVID-19 in psychiatric inpatients at a specialised psychiatric hospital
26	Miss Kailin Giltrow	Comparing maceration methods for the preparation of infant skeletal remains for forensic anthropological analysis
27	Dr Elizea Horne	Perspectives on maternal vaccination from pregnant women, partners, influencers, and community members in South Africa
28	Dr Jill Huang	Prevalence, microbiological cultures and impact of intra-abdominal sepsis in ICU trauma patients at CMJAH
29	Ms Akira Jones	Ethical integration of carebots in South Africa: a utilitarian, deontological, and ubuntu approach
30	Dr Trésor Kabamba	Wound complications of post-vulvar surgery in HIV positive women treated at a teaching hospital in Johannesburg
31	Dr Kamau Kinandu	Acute cellular rejection in adult liver transplant recipients in Johannesburg, South Africa
32	Dr Keletso Jennifer Kobela	From hyperthyroidism to hidden malignancy: incidental papillary thyroid carcinoma in Graves' disease at Baragwanath Hospital
33	Miss Tzipora Krawitz	Outcomes of TNT in locally advanced rectal cancers at WDGMC
34	Dr Clement Nyuyki Kufe	Prevalence of preoperative anaemia and associations in urban tertiary health facilities, Johannesburg – database-based study
35	Dr Jason Le Roux	Contributing factors to decision delivery interval and impact on fetal outcome at a central hospital
36	Dr Michelle Lowe	Tracking Pneumocystis jirovecii pneumonia in South Africa: diagnostic insights from national data
37	Dr Ongombe Lunda	A review of maternal deaths before and during COVID-19 pandemic: a four-year comparative study
38	Miss Ncumisa Madolo	Investigating the oncogenic role of the transcription factor TBX3 in glioblastoma
39	Ms Mulalo Mashamba	Factors influencing influenza vaccine uptake among adults in Johannesburg, South Africa: a qualitative study
40	Mrs Mazvita Shereen Matsa	Evaluating patient costs for young adults accessing pre-exposure prophylaxis at mobile clinics in Cape Town
41	Dr Mbali Matyeshana	Audit of the patterns of prostate metastases in patients for PSMA PET/CT imaging at CMJAH
42	Miss Jessica Mbali Mazibuko	Exploring patterns of PrEP use and HIV risk perception among PrEP users in South Africa
43	Mr William McMahon	T-cell responses to ancestral SARS-CoV-2 and Omicron in unvaccinated hospitalised adults with and without HIV
44	Mrs Ruth Mogokotleng	Antimicrobial resistance and genomic insights in to Enterococcus species from poultry farms in South Africa
45	Dr Shaaista Mohungoo Khan	Evaluation of point-of-care HbA1c against a laboratory method in a South African tertiary-level diabetes clinic
46	Ms Thobekile Mokoena	Prevalence of CIN lesions on colposcopically-directed biopsy in patients with HPV 16/18 and normal cytology
47	Ms Constance Mongwenyana-Makhutle	Reaching women living with HIV between the ages of 30-49 years old missing from care.

48	Mr Justin Moodley	Association of VEGF-A polymorphisms with albuminuria in black South Africans living with type 2 diabetes
49	Miss Priya Moodley	Pathogenic variants in African individuals with OCA2, negative or heterozygous for the 2.7 kb deletion.
50	Mr Yureshen Moodley and Mr Ariel Pincus	Tumour site and survival in colon and rectal cancer: insights from a longitudinal cohort, Johannesburg.
51	Dr Aneesa Moolla	A qualitative analysis of healthcare provider preferences for working under the National Health Insurance bill
52	Dr Aneesa Moolla	Treatment experiences of patients with HIV and non-communicable diseases at tertiary hospitals in Johannesburg
53	Ms Lebogang Moshupya	Metabolomic insights into insulin dynamics in black South African women: addressing gaps in precision medicine
54	Ms Botle Moswatsi	Formulation, physicochemical, and cytocompatibility assessment of a stearate-gelatin bigel for potential neurotherapeutic application
55	Mrs Tshifhiwa Mukheli	Assessing knowledge and practices in diabetic foot ulcer prevention among patients with diabetes mellitus
56	Dr Nandi Mwase	Artificial intelligence readiness in health science education and research
57	Dr Monde Mzoto	Impact of the mask mandate on the microbiology of complicated sinusitis during the COVID-19 pandemic
58	Dr Vivash Naidoo	Computational modelling of tunicamycin c interaction with protein targets: from inverse docking with molecular dynamic simulation
59	Miss Mpfuno Ndlovu	Assessing antimicrobial therapy outcomes in adults with confirmed bacterial infections from low-income settings, Johannesburg 2025
60	Ms Raabiah Noorbhai	Barriers to paediatric pain assessment and management in sub-Saharan Africa: a scoping review
61	Dr Olusegun Ogunbanjo	Septic arthritis following acute non-perforated appendicitis: a rare case report and review of the literature
62	Dr Vernice Peterson	Impact of proximal aortic stiffness on forward wave pressure in coronary artery disease
63	Dr Preyanka Pillay	Pre-transplant body mass index and survival after liver transplantation in Johannesburg, South Africa
64	Dr Koketso Pule	Impact of COVID-19 pandemic on perinatal outcomes – an ecological study at CHBAH 2019- 2022
65	Dr Letlhogonolo Ramaswe	Spectrum of posterior fossa cysts in South African paediatric patients: tertiary neurosurgical centre epidemiological analysis
66	Dr Malerato Ramela	A profile of deaths in children at Diepkloof FPS mortuary from 01/01/2019 to 31/12/2020
67	Ms Tracy Reindorp	The prevalence of tattoos in unidentified decedents in the Human Decedent Identification Unit
68	Dr Ruan Rheeders	Variability between anaesthetists and artificial intelligence in identification of anatomical structures for ultrasound-guided regional anaesthesia
69	Dr Alison Rothman	Family planning knowledge and practices amongst physicians in academic centres in Johannesburg, South Africa
70	Miss Alexis Schwulst	Nanoparticle infused wafers for the improved oral delivery of sensitive biologics
71	Mr Katlego Setshedi	Planning and technical delivery parameters in volumetric modulated arc therapy for nasopharyngeal carcinoma
72	Dr Lauren Stuart	Telemedicine in context: comparing referral pathways for blood pressure management in Soweto, South Africa
73	Dr Pablo Sumaraj	A cross-sectional study of patients with prosthetic mitral valves at a tertiary centre in Johannesburg
74	Dr Rahmiz Thomas	Shift in breast cancer stage from anatomical staging classification to the clinical prognostic staging system
75	Dr Emanuele Trovalusci	The burden of delayed diagnosis in Hirschsprung disease: insights from a paediatric centre in South-Africa

76	Dr Philemon Ubanako	In silico and in vitro analysis of imiquimod as a potential tankyrase inhibitor in cancers
77	Dr Tshegofatso Ubisi	Outcomes and complications of traumatic bladder injuries: retrospective review of a level 1 trauma centre
78	Dr Tshegofatso Ubisi	Routine laparotomy in cases of omental evisceration: retrospective review of a level 1 trauma unit
79	Dr Tshegofatso Ubisi	Clinical outcomes following bowel eversion in penetrating abdominal trauma
80	Dr Anastasia Ebele Ugwuanyi	Healthcare students' experiences of participating in narrative medicine groups in South Africa and Finland
81	Dr Alex Van Blydenstein	Histologic findings in adults hospitalised with hypoxaemic pneumonia during the COVID-19 pandemic in South Africa
82	Dr Carien van der Meer (WITHDRAWN)	An audit of the Fracture Liaison Service at Helen Joseph Tertiary Hospital, Johannesburg, South Africa
83	Miss Sarah van der Spuy	Acute pain management in trauma: a prospective cross-sectional observational study in the Gauteng province
84	Dr Nicola van Dongen	Alcohol and substance use among youth living with HIV in the global AYANI cohort
85	Dr Martin Van Rooyen	Prior video game exposure and ureteroscopic skill: correlation or coincidence?
86	Dr Anica Venter	Triple negative breast cancer and F-18 FDG PET/CT
87	Miss Abigail Walters	Development of a real-time PCR rapid diagnostic assay for CYP3A5 genotyping to inform tacrolimus dosing
88	Dr Emma Wessels	A retrospective review of liver retransplants in the Wits Transplant Unit
89	Dr Pin-Yi Wu	Biomarkers of collagen metabolism and correlation with aorta strain in HIV aortopathy