



**Fourth Training Workshop and Symposium MURIA Group 18 – 21 June 2018
University of Namibia, Windhoek, in association with ISPE and the ISPE African Chapter**

Theme: Medicine utilisation research in Africa influencing patient care and policy

Final Programme

A) Workshops

1) Monday 18 June – Introductory workshops (run by Maribel, Vincent and Lisa – Chairs: Dan Kibuule, Francis Kalemeera, Hannelie Meyer, Ester and Mubita)

- 9.00 – 9.30 Registration and also placing of posters if wished (coffee/ tea on arrival)
- 9.30 – 10.00 – Brief welcome and introduction to the educational workshops (Francis Kalemeera)
- 10.00 – 12.00
 - Overview of pharmacoepidemiology (PE), inc. history, framework and study design – Vincent Lo Re
 - Introduction to adherence/ persistence – Maribel Salas
 - Introduction to Drug Utilisation (DU) research including data sources – Lisa Pont
- 12.00 – 12.15 – Tea/ Coffee
- 12.15 – 13.15
 - Introduction to PE - cohort studies – Vincent Lo Re
 - Measuring adherence/ persistence – Maribel Salas
 - Introduction to DU research - ATC/ DDD – Margaret Oluka
- 13.15 – 14.15 lunch
- 14.15 – 16.15
 - Introduction to PE - case control/ cohort studies – Vincent Lo Re
 - Hypertension adherence and persistence – Maribel Salas and Hannelie Meyer
 - Introduction to PE - Basic statistics – Lisa Pont
- 16.15 – 16.30 – Tea/ Coffee
 - Overview of statistical analysis by design – Vincent Lo Re
 - Hypertension Interventions – Maribel Salas and Hannelie Meyer
 - Introduction to DU research - specialist areas – Lisa Pont
- 17.30 - Close

2) Tuesday 19 June (Chair: Francis Kalemeera until 10.15 – Similar chairs for the Introductory workshops)

- 08.30 – 09.00: Registration and placing of posters (coffee/ tea on arrival)
- 09.00–09.55: Official welcome and guests of Honour (Pro-Vice Chancellor of Academic Affairs, Dean of the Faculty of Health Sciences, APVC of Health Sciences Campus, Associate Dean School of Pharmacy, and the British High Commissioner)
- 09.55 – 10.10: Official photograph
- 10.10 – 10.15 – Logistics for both workshops (Francis Kalemeera and Brian Godman)

Introductory workshops

- 10.15 – 12.15
 - Use of databases for PE research – Vincent Lo Re
 - Introduction to Pharmacovigilance (PV) including concepts – Maribel Salas
 - DU design, study methods and interventions – Lisa Pont
- 12.15 – 12.30 – Tea/ Coffee
- 12.30 – 13.30
 - Advanced PE - Measurement of exposure and outcomes – Vincent Lo Re
 - PV - Passive Surveillance – Maribel Salas
 - Design DU studies – CNC studies – Lisa Pont

- 13.30 – 14.30 – Lunch
 - 14.30 – 16.30
 - Advanced PE - Confounding and Bias – Vincent Lo Re
 - Designing DU studies - Primary/ secondary sources – Lisa Pont
 - 16.30 – 16.45 – Tea/ Coffee
 - 16.45 – 17.45
 - Application of PE (Exercise) – Vincent Le Roy
 - Designing DU studies - Primary/ secondary sources (cont.) – Lisa Pont
 - 17.45 onwards - Welcome reception at the University
- Advanced workshops (Chairs: Brian Godman/ Ilse Truter/ F. Kalemeera/ JC Meyer)**
- 10.15 – 12.30 (including 15 minutes Tea/ Coffee)
 - Developing quality indicators for ambulatory care - Seán MacBride-Stewart
 - Undertaking qualitative DU research - Ilse Truter/ Margaret Oluka/ Sylvia Opanga
 - **13.30 – 14.30 – Lunch**
 - **14.30 – 17.45** (including 15 minutes Tea/ Coffee)
 - Undertaking adherence/ persistence studies – Hannelie Meyer with input and examples from UNAM personnel
 - Undertaking pharmacovigilance studies – building on experiences across countries – Maribel Salas

Evening reception at the University of Namibia

B) Symposium

3) Wednesday 20 June morning (chair: Brian Godman/ Francis Kalemeera)

- 8.55 – 9.00 – Welcome and Agenda (Francis Kalemeera)
- 9.00 – 11.00 - Feedback on activities since last year including PPS studies
 - 9.00 – 9.20 South Africa (Natalie Schellack and Danie Kruger including PPS study results)
 - 9.20 – 9.45 Kenya (Margaret Oluka and Sylvia Opanga – PPS studies, Kenyan NAP for antibiotics - Anastasia Guantai)
 - 9.45 – 10.10 - Botswana (including ongoing studies)
 - 10.10 – 10.30 Namibia (including ongoing studies)
 - 10.30 – 10.45 Nigeria (Joseph Fadare and Olayinka Ogunleye)
 - 10.45 – 11.00 Zimbabwe (Sekesai Zinyowera)
- 11.00 – 11.15 Coffee
- 11.15 – 11.45 - ISPE introduction and update on the ISPE DU Handbook for Africa and next steps – Maribel Salas
- 11.45 – 12.00 - Undertaking PV studies (summary) – Maribel Salas
- 12.00 – 12.30 - PV initiatives in Botswana – Anna Shimbulu NMRC (Namibia)
- 12.30 - 13.00 - Oral presentations (start)
 - Use of Complementary and Alternative Medicine (CAM) in pain: A South African consumer survey – Ilse Truter (South Africa)

HealthCare Strengthening

- Addressing the Under-reporting of Adverse Drug Reactions in Sub-Saharan Africa - Yohanna Kambai Avong (Nigeria)

Lunch: 13.00 – 14.00

4) Wednesday afternoon (Chair: Joseph and Natalie)

- 14.00 – 14.45: ISPE African chapter (Kwame and Irene)
- 14.45 – 16.00 - Oral presentations (max of 15 minutes including questions)
 - Formulary management activities of public sector Pharmacy and Therapeutics Committees in the Gauteng Province of South Africa: An analysis of observations of Pharmacy and Therapeutics Committee meetings – M Matlala (South Africa)
 - Compliance of Limpopo Province primary health care facilities to the Ideal Clinic standards as part of the 'Adopt a Clinic Project' for community service pharmacists – TA Segolela (South Africa)
 - Rational Drug Prescribing at the Medical Outpatient-Department, Korle Bu Teaching Hospital, Accra, Ghana – Daniel Afriyie (Ghana)
 - Assessment of Knowledge and Perception on Antimicrobial Stewardship among Physicians and Pharmacists at University Teaching Hospitals in Zambia, and the strengthening of Antimicrobial Stewardship – Aubrey Kalungia (Zambia)

Infectious Diseases/ others

- SELF MEDICATION USING ANTIBIOTICS AT COMMUNITY PHARMACIES IN LOW AND MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW AND META-ANALYSIS – S Opanga (Kenya)
- 16.00 – 16.15 – Tea/ Coffee
- 16.15 – 17.00 – Oral presentations (continued)
 - Antibiotic prescribing patterns for URTIs among private practitioners in Botswana; findings and implications - J Kgatlwane (Botswana)
 - Antibiotic prescription patterns of South African general medical practitioners for treatment of acute bronchitis – NBQ Ncube (South Africa)
 - Prevalence and facility-specific antibiogram of pathogens isolated at a private hospital in the Western Cape, South Africa – Johanita Burger (South Africa)
- 17.00 – 17.30 – 5 Short student presentations based on their posters
- 17.30 – Close (Group dinner at a restaurant in Namibia for those who wish)

5) Thursday morning 21 June (Chair: Dan/ Francis)

- 9.00 – 10.30: Oral presentations (continued)
 - VALIDITY OF TREATMENT COMPLETION AS A MEASURE OF TUBERCULOSIS TREATMENT SUCCESS – D Kibuule (Namibia)
 - Factors affecting adherence to anti-retroviral therapy by HIV patients treated at Raleigh Fitkin Memorial Hospital, Swaziland – Fola Amu (Swaziland)
 - Immunisation coverage and reasons for missed vaccinations in children aged 12–23 months in Tshwane Region 5 of Gauteng Province, South Africa – Hannelie Myer (South Africa)

NCDs

- Adherence to Oral Anti-diabetes among Type 2 Diabetes Mellitus patients in the Volta Region of Ghana – Israel Sefah (Ghana)
- CHARACTERISTICS AND OUTCOMES OF PATIENTS ATTENDING A TERTIARY CARE DIABETIC CENTRE IN BOTSWANA; FINDINGS AND IMPLICATIONS - Thatayaone Kenaope (Botswana)
- Anti-diabetic medication adherence and associated costs among patients with Type 2 Diabetes in a tertiary healthcare facility, southeast Nigeria – Charles EZENDUKA (Nigeria)
- 10.30 – 10.45: Coffee
- 10.45 – 11.30 – Oral presentations (continued)
 - GLYCAEMIC CONTROL AMONG DIABETIC PATIENTS AT KATURURA STATE HOSPITAL, NAMIBIA - Munenguni Hilma (Namibia)
 - Satisfaction, experiences and perceptions of hypertensive patients with primary healthcare services in Vhembe District, South Africa - Enos RAMPAMBA (South Africa)
 - PROACTIVE RISK ASSESSMENT OF VINCRISTINE USE PROCESS IN A TEACHING AND REFERRAL HOSPITAL IN KENYA – Anastasia Guantai (Kenya)
- 11.30 – 13.00 - Next steps for MURIA including key officers, possible research programmes and potential venue(s) for MURIA 5

13.00 - Finish followed by lunch

Posters hung throughout the 4 days. Posters include:

HealthCare Strengthening

- Knowledge, attitudes and practices of health care professionals towards adverse drug reaction reporting in public sector primary health care facilities in the Tshwane District, Gauteng Province, South Africa – H Haines and JC Meyer (South Africa)
- PREVALENCE AND DETERMINANTS OF ANTIBIOTIC RELATED ADVERSE DRUG REACTIONS IN KENYA: SPONTANEOUSLY REPORTED CASES AT THE PHARMACY AND POISONS BOARD DATABASE - Miriam Njoroge and Margaret Oluka (Kenya)
- EFFECTIVENESS OF THE ANTIMICROBIAL STEWARDSHIP PROGRAMME AT LADY POHAMBAMBA PRIVATE HOSPITAL, WINDHOEK-NAMIBIA - N Coetzee (Namibia)
- Establishing and monitoring the introduction of an antimicrobial stewardship programme in Swaziland; findings and implications - Zinhle Matsebula (Swaziland)
- Implementation and monitoring of decisions by Pharmacy and Therapeutics Committees in South African public sector hospitals – TB MASHABA, M Matlala (South Africa)
- COMPLIANCE TO CONTINUING PROFESSIONAL DEVELOPMENT POLICIES AMONG PHARMACISTS PRACTICING IN WINDHOEK NAMIBIA – E Stower (Namibia)

- INDICATORS AND DETERMINANTS OF REGISTRATION OF MEDICINES USED IN PRIMARY HEALTH CARE IN NAMIBIA – I Moses (Namibia)
- A systematic approach to improve rational medicine use in Swaziland - NBQ Ncube, HA Bradley, RO Laing, H Schneider (South Africa)
- Electronic Prescription Data to Improve Primary Care Prescribing (EPIP) – Sean Macbride-Stewart (Scotland, UK)
- Medicines Use Analysis and Feedback – a Scottish Health Board experience – Sean Macbride-Stewart (Scotland, UK)
- Scotland’s National Therapeutic Indicators – Sean Macbride-Stewart (Scotland, UK)
- Technologies for improving the medication use process - Mason Benjamin, Jim Stevenson, Andrea Bare (USA)
- An audit of medicine shortages in Namibia – HP Gideon, J Lates, D Hachey, TW Rennie (Namibia)
- Compliance to guideline for art dosage adjustment in patients with renal failure – R Oyo, J Lates, D Hachey, TW Rennie (Namibia)
- Adverse drug reactions monitoring among MDR-TB patients: an audit at Intermediate Hospital, Namibia - C Brian, J Lates, D Hachey, TW Rennie (Namibia)

Infectious Diseases

- Antibiotic Prescribing Pattern and Appropriateness at the Ghana Police Hospital – Daniel Afriyie (Ghana)
- PREVALENCE SELF-MEDICATION IN ACUTE RESPIRATORY INFECTIONS IN THE INFORMAL SETTLEMENTS IN OUTAPI REGION, NAMIBIA – M Kamati (Namibia)
- TRENDS AND PREDICTORS OF LOSS-TO-FOLLOW-UP UNDER THE DOTS PROGRAM IN NAMIBIA – P Aiases (Namibia)
- Association between adherence and health-related quality of life in a cohort of HIV-patients at two public sector resource-limited clinics in South Africa – RF Vagiri, JC Myer (South Africa)
- COMPARISON OF ZIDOVUDINE AND TENOFOVIR BASED REGIMENS WITH REGARD TO QUALITY OF LIFE AND PREVALENCE OF SYMPTOMS IN HIV PATIENTS IN A KENYA – JO Etenyi, S Opanga (Kenya)
- Incidence rate and risk factors for tenofovir disoproxil fumarate associated nephrotoxicity in Namibia: A retrospective study- Kalemeera F, Godman B, Stergachis A, Rennie T (Namibia)
- Anti-vaccination conversations on online news forums, Twitter, and other microblogs in South Africa - M MATSANGAISE, JC Meyer (South Africa)
- Perceptions and beliefs of parents from a rural district in KwaZulu-Natal, South Africa regarding pneumococcal disease vaccination - a qualitative study - PX NDLOVU, JC Meyer (South Africa)
- Vaccination sentiment on publicly available South African social media platforms - RJ BURNET, JC Meyer (South Africa)
- Therapeutic interchange policies used in managing antimicrobial shortages in South African public sector hospitals - AK CHIGOME, M Matlala (South Africa)
- Improving the Utilization and Quality of Antibiotics in Tanzania - K HAMASAKI, M JANDE, S MSHANA, A MASSALE, B GODMAN (Tanzania)
- INDICATORS OF REGISTRATION OF ESSENTIAL ANTI-MICROBIALS IN NAMIBIA: FINDINGS AND IMPLICATIONS – V Ashipala (Namibia)
- An investigation of antibiotic prescribing in patients with upper respiratory tract infections (URTISs) at Katutura Health Centre, Windhoek, Namibia - M Kunda, L Haoses-Gorases, M Goraseb (Namibia)
- A review of rise of Modern Pharmaceutical Biotechnology in Antibiotic Drug Discovery and development from Natural Sources and future implications - D Mavu, S Nowaseb, V Haakuria, D Kibuule (Namibia)
- An audit of bedaquiline use at the Katutura Intermediate Hospital TB isolation ward - AM Shimbulu, M Mubita, T Rennie, DM Hachey, L Jonkman (Namibia)

NCDs/ Others

- Adjustments of medication dosages in patients with renal impairment admitted in the adult medical wards at Princess Marina Hospital – A Sheikh (Botswana)
- Patient empowerment with hypertension knowledge to improve management of hypertension in patients on chronic medicines at primary health care facilities in the Vhembe District of Limpopo Province, South Africa: Findings and implications – E RAMPAMBA (South Africa)
- INDICATORS OF REGISTRATION OF ANTIHYPERTENSIVE MEDICINES IN NAMIBIA: FINDINGS AND IMPLICATIONS – I Laimi (Namibia)
- MEDICATION RECONCILIATION PRACTICES IN HYPERTENSIVE CARE AT KATURURA STATE HOSPITAL, NAMIBIA – P Nilenge (Namibia)

- MEDICATION ADHERENCE AMONG HYPERTENSIVE PATIENTS RECEIVING CARE AT CLINICS IN CENTRAL WINDHOEK, NAMIBIA – O Iyambo (Namibia)
- PREVALENCE AND DETERMINANTS OF BLOOD GLUCOSE CONTROL AMONG PATIENTS WITH TYPE II DIABETES MELLITUS AT KATUTURA HOSPITAL - J. Iyambo (Namibia)
- Drug utilisation review of tramadol hydrochloride at a regional hospital in Pietermaritzburg, KwaZulu-Natal, South Africa – A Fynn, JC Meyer (South Africa)
- ASSESSING THE DIRECT MEDICAL COST OF TREATING PATIENTS WITH CANCER IN KENYA: A PILOT STUDY- FINDINGS AND IMPLICATIONS FOR THE FUTURE – M Omonodi, S Opanga (Kenya)
- ADVERSE EFFECTS OF CHEMOTHERAPY AND THEIR MANAGEMENT IN PAEDIATRIC PATIENTS WITH NON HODGKIN'S LYMPHOMA AT KENYATTA NATIONAL HOSPITAL - L Opanga, S Opanga (Kenya)
- Physicians Knowledge of Cost of Commonly Prescribed Medications: Findings from a Nigerian Survey – JO Fadare (Nigeria)
- Factors associated with levels of physical activity in type 2 diabetes mellitus patients at a public clinic in Gaborone, Botswana - S Shiryedev (Botswana)
- Assessment of the influence of patient knowledge on adherence to insulin therapy in diabetic patients at Katutura State Hospital – S Isak, D Kibuule, M Mubita (Namibia)
- Appropriateness of prophylactic medication among patients with cardiovascular diseases at Katutura State Hospital – PE Maparunga, D Kibuule, M Mubita(Namibia)
- Medication prescribing errors in paediatric care at Katutura Intermediate Hospital, Namibia - Uutoni Lea NN, Mubita M (Namibia)
- A comparison of kidney function estimation equations in underweight, normal weight, overweight and obese hospitalized female patients at Katutura Intermediate and Windhoek Central Hospitals, Namibia - MM Thikukutu, BS Singu, RK Verbeeck (Namibia)
- RECENT INITIATIVES IN SCOTLAND TO IMPROVE THE QUALITY AND EFFICIENCY OF PRESCRIBING; FINDINGS AND IMPLICATIONS – Godman B, Kurdi A, MacBride-Stewart S, Hurding S, McCabe H, Morton A (Scotland, United Kingdom)
- Evaluation of parenteral medicines use at Katutura Intermediate Hospital: A retrospective drug safety study - O Fikameni, M Mubita, F Kalemeera (Namibia)