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Department of Medical Physiology

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Maseno, Kenya

EDUCATION

Postgraduate

2005-2009; Master of Medicine in Obstetrics and Gynaecology (MMed Obs/Gyn) University of Nairobi.

Qualified in February 2009 as the best postgraduate student in the Department of Obstetrics and Gynaecology.

Undergraduate

1995-2001: Bachelor of Medicine and Bachelor of Surgery (MBChB) University of Nairobi.

RESEARCH EXPERIENCE

- Training of health workers in ETAT, LSS/EMOC, Bedside obstetric care, Over 200 health workers were trained.

- Improve anaesthetic services in the Western region of Kenya by identification and subsequent training of Nurses to offer anaesthesia services. They have qualified and are currently working in hospitals in the region and country at large.

The Nurse program at Kisumu Campus of KMTC commenced in September 2015 and has graduated a number of Nurse Anaesthetists.

- Establishment of an oxygen plant at Siaya hospital to enable accessibility to oxygen. Supplies oxygen to health facilities saving lives (HEWA TELE)

- Establishment of Medical Simulation Center at JOOTRH. This Has revolutionized training and provision of health care. Commissioned in 2016

- Renovated a 7 bed critical care unit at JOOTRH. The CCU has capacity to offer neonatal critical care and support to patients undergoing dialysis.

- CPAP in collaboration with Columbia University. Trained 36 master trainers in 10 health facilities to train and offer CPAP.

- Attended a 2 month training in Medical Simulation at Vanderbilt University CELA, at Nashville, Tennessee, USA

- Hosting of various visiting faculty from Vanderbilt as part of the ImPACT project

- Planning, development and running of total Oxygen Solution, HEWA TELE at Siaya County Referral Hospital Assessment of health facilities to offer EMOC services at the cluster sites for the KEMRI/CDC MNHCU study. 2013 to 2015; Focal training person for School of Medicine in the collaboration with Funzo Kenya.

800 health workers trained on PMTCT, Pediatric HIV, Infant and Young Child feeding, and EMOC from Kisumu, Siaya, Migori, Kisii, Nyamira and Homa Bay Counties.

- 85 health workers have been trained so far in 2014 on Cervical Cancer Screening and Use of Cryotherapy Machine and Adult ART

- Training of Health workers on Long term Contraceptive methods

2012 : Training of Nurses in Basic Obstetric Ultrasound techniques for the MNHCU study.

- Nurses able to determine fetal gestation, number, anomalies

2011; Hospital Coordinator, Kabarnet District hospital in a WHO Survey on maternal mortality , a 3month survey for the period July –October 2011.

TEACHING EXPERIENCE

Undergraduate and Postgraduate Teaching/Supervision

- Teaching undergraduate and postgraduate courses in the areas of introduction to physiology, the cell, blood physiology, renal physiology, endocrinology and reproductive physiology.
- Basic haematology and blood transfusion.
- Supervision of Postgraduate students in the development and undertaking of their dissertations.

- Supervision of postgraduate students undertaking MPH degree programmes.

- Supervision of MSC Medical Physiology Postgraduate students

- Mentorship of US medical students on clinical externship at Siaya and Yala district hospitals, under the National Medical Fellowship (NMF) Program. 3 cohorts of students in 2013- 2015. A total of 18 scholars' came for this.

Teaching postgraduate students; MSc in Medical Physiology, MMed General Sugery, MMed Obs Gyne.

Department of Medical Physiology MSC in Medical Physiology Thesis Internal Examiner

HONORS AND AWARDS

PROFESSIONAL MEMBERSHIP

Member, Kenya Obstetrical and Gynaecological Society (KOGS)
Chairperson, KOGS Western Region branch
Kenya Medical Association(KMA)
Treasurer, KMA Kisumu Division
Member, Reproductive Health Rights alliance

SKILLS AND TRAINING

- Attended 2week training on fistula (VVF/RVF) repair at New Nyanza provincial general hospital in December 2007. Assisted in the surgeries and pre and post operative management of the same.

- Attended one week course on post abortal care organized by Planned Parenthood federation of America in conjunction with KOGS, KMA, NNAK. May 2008.

- Attended 2 week training on lactation and qualified as a lactation manager at the Kenyatta national hospital July 2008.
- Attended one week VVF/RVF repair camp at Webuye District Hospital sponsored by AMREF. March 2010

- Attended one week VVF/RVF repair camp at New Nyanza Provincial general Hospital organized by MOMS/AMREF. May 2010.

- Attended two weeks VVF/RVF repairs at Kenyatta National Hospital organized by KNH/AMREF June/July 2010.
- Successfully organized a Fistula camp at Kabarnet District Hospital in collaboration with AMREF and Freedom from Fistula Foundation whereby twenty-two patients were operated. August/September 2010.
- Attended one week VVF/RVF repair camp at Kisii level 5 hospital organized by MOMS/AMREF October 2010.
- Trained on health systems strengthening (HSS) under KIA funded by MOMS from December 2010 to March 2011.
- April 2012 attended PACE training on innovative teaching methodologies at Egerton University (23-27th April 2012).
- Attended a seminar on research proposal writing organized by Harvard University and Maseno University April 2013.

Partnership for advanced Clinical Education (PACE) project at Maseno University. A collaboration Program with the University of Nairobi. Over 20 Faculty from Maseno University trained in innovative teaching methodologies. Students in Medical laboratory sciences have had one day symposia on HIV AIDS and improvement of their skills.

- May 2014, Training of Faculties of Moi, Egerton and Maseno Universities on Innovative Teaching methodologies.
- Attended a 2 month training in Medical Simulation at Vanderbilt University CELA, at Nashville, Tennessee, USA
- Establishment of Simulation Center at JOOTH
- February 2016, as the local Chair of KOGS, chaired the organizing committee for the 40th Kenya Gynaecologists conference. Held a preconference activity introducing Medical Simulation.
- November 2016; Mobile Obstetric Simulation training (MOST). Facilitated training of Health workers at Kisii and Homa bay County Referral Hospitals in Team response to Obstetric emergencies.

LEADERSHIP EXPERIENCE

2011 to present: Lecturer, Department of Medical Physiology, School of Medicine, Maseno University
2014 to date; Member, Maseno university Ethics and Research Committee(MUERC)
2018 to date; Department of Medical Physiology examination Coordinator
2018 to date; Department of Medical Physiology Web champion

2012 to 2015: Focal Person, Partnership for advanced Clinical Education (PACE) project at Maseno University. A collaboration Program with the University of Nairobi. Over 20 Faculty from Maseno University trained in innovative teaching methodologies. Students in Medical laboratory sciences have had one day symposia on HIV AIDS and improvement of their skills.

- September 2013, facilitated as a master trainer at an innovative teaching methodologies training at Sirikwa Hotel , Eldoret, September 16th to 20th

May 2012 to 2015; Kenya Country coordinator Maseno University and National Medical fellowship program (NMF) collaboration.

- Through this, three cohorts of Scholars who are minority medical students have come to Kenya before beginning their residency. 18 students in batches of 6 students, 2013-2015 at the two hospitals of Siaya and

Yala.

•Linked the students with Site mentors, Clinicians at the hospitals and academic mentors from the University.
December 2011 to date;

Chairman, Maseno University, School of Medicine quality assurance (QA) committee.

•Ensuring adherence to ISO certification quality standards.

October/Nov 2011: Acting Chairman, Department of Medical Physiology, School of Medicine, Maseno University.

•While on the chair, the Medical Practitioners and dentists board came for accreditation visit, was successful and the department is running.

•Over 170 students passed through.

•Didactic and practical assistance to students in the department.

Consultant Obstetrician Gynecologist, Jaramogi Oginga Odinga Teaching and Referral Hospital.

•Offering clinical services, taking part in Major ward rounds

•Supervision and teaching of Medical Officers and Medical Officer interns

•Undertaking both elective and emergency surgeries

•Taking part in continuous medical education at the department

•Involved in morbidity and mortality review meetings

May/June 2011: Acting Medical Superintendent, Kabarnet District Hospital and District Medical Services Officer, Baringo Region.

•Overall in charge of the hospital

•Supervision and guidance of all health workers

•Ensuring adherence to government policy at the hospital

Feb 2009 -Aug 2011: Head of Department and Consultant Obstetrician Gynecologist at Kabarnet District Hospital, Baringo.

•Running the consultant gynaecology clinic and antenatal.

•Conducting major ward rounds, teaching of students in the rounds.

•Performing both emergency and elective major surgeries.

•Ensuring that patient management is per the national guidelines.

•Member, hospital management committee.

•Ensured the facility became a medical officer internship center

•Organized a VVF camp in collaboration with AMREF Kenya for two consecutive years

Feb 2007-feb 2008: Honorary family planning coordinator, ICRAF/MVP Kisumu undertaking activities at the Yala division while attached to the Kisumu office.

•Undertook training of health workers on long term family planning methods and performed tubal ligation at Yala sub district hospital.

•Also engaged in community advocacy for FP uptake.

2002-2005: Medical Officer in Charge Port Victoria Sub-District Hospital.

•Overall in charge of the hospital both administrative and clinical; implementing annual and strategic work plans in keeping with ministry guidelines.

•Signatory to hospital finances.

•Reporting to the D.M.O.H, Busia P.M.O Western Province and hospital board

•Undertaking clinical work, elective and emergency surgery

CONFERENCES AND WORKSHOPS

•Successfully organized the 2011 fistula camp for Kabarnet district hospital in July/august 2011 where 30 patients were screened and 24 successfully operated.

•Attended the 2012 KOGS conference at Safari Park hotel, Nairobi, February 2012.

•April 2012 attended PACE training on innovative teaching methodologies at Egerton University (23-27th April

2012).

- Attended international HIV/AIDS conference at the university of Nairobi in June 2012
- Participated in the Kenya Medical Practitioners and Dentists Board Review of Core Curricula for MBChB and BDS programmes at Mount Kenya Safari Club, Nanyuki, and 13th -15th December 2012.
- Attended 2013 KOGS conference at Sirikwa Hotel, presented a paper on training of health workers on point of care obstetric ultrasound, February 2013.
- Attended PACE midyear planning meeting in Nairobi, February 2013
- Attended a seminar on research proposal writing organized by Harvard University and Maseno University April 2013.
- June 2013, attended conference on medical education at Safari Park hotel
- July 2013 attended a 3 day workshop on research proposal and grant writing at Siriba campus, Maseno University.
- September 2013, facilitated as a master trainer at an innovative teaching methodologies training at Sirikwa Hotel, Eldoret, September 16th to 20th .
- February 2014, attended the 38th KOGS conference at Green Hills Hotel, Nyeri, Kenya
- May 2014, Training of Faculties of Moi, Egerton and Maseno Universities on Innovative Teaching methodologies.
- February/March 2015; attended training on Medical Simulation at Vanderbilt University, Tennessee, USA.
- February 2016, as the local Chair of KOGS, chaired the organizing committee for the 40th Kenya Gynaecologists conference. Held a preconference activity introducing Medical Simulation.
- November 2016; Mobile Obstetric Simulation training (MOST). Facilitated training of Health workers at Kisii and Homa bay County Referral Hospitals in Team response to Obstetric emergencies.
- February 2017; Attended 41st Kenya Obstetrical and Gynaecological Society Annual Scientific conference at Pride Inn Resort, Shanzu, Mombasa.
- February 2018; MOST training at Migori County Teaching and Referral Hospital
- February 2018; Attended KOGS annual scientific conference at Naivasha, Kenya
- April 2018; MOST training at Kisumu County Teaching and Referral Hospital
- 2019 KOGS Scientific Conference, Movenpick Nairobi
- 2019 KMA annual scientific conference, Lake Naivasha Resort.
- 2020 KOGS Conference at Diani

PUBLICATIONS

Ng'wena Gideon Magak, Willis Onyango Okoth, Owiti George Michael, Onyango Kennedy, Owiti O. Thedeus, Bob Awino, Willis Oyieko, Christopher Khayeka-Wandabwa and Odero Wilson (2019): Human and Animal Trypanosomiasis in Lambwe Valley Foci, Kenya– Current Situation and Latent Trypanotolerance. *Asian Journal of Research in Animal and Veterinary Sciences* **3(1): 1-12, 2019; Article no.AJRAVS.47876**

Utilization of Youth friendly reproductive health services among the youth Bureti Sub County Kenya Nancy UL, Mary Kepremwo, Kennedy O Onyango EJPRM, 2017,4(4), 203-212

2018;

Prevalence and incidence of congenital anomalies amongst babies born to women with sickle cell disease and exposed to hydroxyurea during pregnancy: a systematic review protocol Stephen Otieno Gwer, Kennedy Odoyo Onyango

Effects of prescribed physical therapy exercises on blood glucose, metabolic and hba1c profiles in pre-diabetes at Moi Teaching and Referral Hospital in Uasin Gishu County, Kenya.H. M. Muroki, N. Magak, M. G. Owiti and K. Onyango

East African Medical Journal Vol. 95 No. 10 October 2018

Prevalence of metabolic syndrome components among University Students in Kenya

J. S. Malesi, N. G. Magak, M. G. Owiti and K. O. Onyango

East African Medical Journal Vol. 95 No. 12 December 2018

Safe Anesthesia Care in Western Kenya: A Preliminary Assessment of the Impact of Nurse Anesthetists at Multiple Levels of Government Hospitals;

Grace Umutesi, MPH,Matthew D. McEvoy, MD, Joseph R. Starnes, MPH,

Bantayehu Sileshi, MD, Harrysone E. Atieli, PhD,Kennedy Onyango, MBChB, MMed,

and Mark W. Newton, MD

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