


## Were FN Curriculum Vitae June 2017

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### I. BIODATA

	Name	Fredrick Namenya Were
	Date of birth	Saturday, August 30 1958
	Place of birth	Samia, Busia County, Kenya
	Home Residence	17/238 Thigiri Farm Road, New Muthaiga, Nairobi
Addresses	<b>OFFICIAL</b> School of Medicine, College of Health Sciences Kenyatta National Hospital, Ngong Road P O Box 19676,00202, Nairobi Emails; <a href="mailto:deanmedic@uonbi.ac.ke">deanmedic@uonbi.ac.ke</a> ; <a href="mailto:fredrick.were@uonbi.ac.ke">fredrick.were@uonbi.ac.ke</a>	
	<b>PRIVATE</b> Upper Hill Medical Centre, Floor 1, Ralph Bunche Road PO Box 20956, 00202, Nairobi Telephone; 254202714877/2712748 Cell ; 254722718770 or 254733708770 Emails; <a href="mailto:fred.were@yahoo.com">fred.were@yahoo.com</a> ; <a href="mailto:frednwere@gmail.com">frednwere@gmail.com</a>	
Family Life	Married to            Lillian Anyango Were since 1982. Children                Wafula – Deceased Baraza – Insurance Executive Nerima – Lawyer Nduta – Resident in Paediatrics Grand Child            Wafula	
Hobbies	Watching cricket and World political and cultural history literature	

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### **III. BRIEF PROFILE**

I am Professor of Paediatrics and Child Health with specialization in Newborn Medicine. I presently hold several high level portfolios in several institutions. At the University of Nairobi (where I am full time employee) I am Dean School of Medicine supervising about 3000 students and over 500 members of staff alongside my teaching duties. I also support the Ministry of Health on several national committees in various areas of child health. I am also holding the office of Acting Principal, College of Health Sciences. I have remained active in the Kenya Paediatric Association where after serving as National Chairman for 11 years was retained as adviser on research projects. In the international arena I have been active in a wide range of activities in the child health platform including; Membership in the World Health Organization's Strategic Advisory Group of Experts (SAGE) in Immunization as well as several activities in the area of newborn Health. International organizations like the Partnership for Appropriate Technology in Health (PATH), Bill & Melinda Gates Foundation and Global Vaccine Alliance (GAVI) frequently seek my services as Scientific Advisory Committee Adviser in various aspects. I have also remained very highly motivated in research where my main themes are in Health Systems Research and outcomes of high risk newborns. Indeed my Doctorate was obtained in the latter. I am presently developing a DSC thesis within the field of Health Systems research. I can summarize my life as that of a most committed teacher/mentor, relentless researcher/author, selfless leader and outstanding scholar with wide international reach. Above all, I believe myself to be self driven, innovative and even revolutionary scientist.

#### **IV. EDUCATIONAL BACKGROUND**

##### **III.1 CERTIFICATES AND DEGREES**

	YEAR	QUALIFICATION	INSTITUTION
1	2007	Doctorate of Medicine (MD)	University of Nairobi
2	1993	Fellow of Neonatal Intensive Care (FNIC)	Monash Medical Centre, Australia
3	1990	Masters in Medicine (MMED), Paediatrics	University of Nairobi
4	1984	Bachelor of Medicine & Bachelor of Surgery (MBCHB)	University of Nairobi
5	1977	East African Advanced Certificate of Education (EAACE)	Kericho High School
6	1975	East African Certificate of Education (EACE)	Butula Secondary
7	1971	Certificate of Primary Education	Nabakholo Primary

### **III.2 SHORT COURSES**

1. 2012; Contemporary issues in vaccines. Provided by Glaxo Smith Kline in Brussels, Belgium. This short course trains health workers in current immunology and public health issues regarding vaccines and immunizations
2. 2011; three day course on Problem Based Learning at the University Of Nairobi provided by faculty from St John's Christian University, Bangalore, India. The course includes PBL and other aspects of pedagogy and andragogy.
3. 2010; three day course in the principles and practical aspects of Pedagogy and Andragogy by the University of Nairobi's School of Education.
4. 2008; Ipokrates workshop by the union of the European Perinatal and Neonatal Societies. Four days of intensive update in neonatal and perinatal medicine, Republic of South Africa.
5. 2007; three day advanced Advance paediatric life support instructors course. This led to me being granted the Trainer Certificate.
6. 2006; one week course on neonatology at the James Cook Hospital/Medical School in Middleborough, UK. This covered contemporary issues in intensive care of newborns.
7. 2005; three day advance paediatric life support providers course (APLS). I was then qualified as a provider.

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8. 2004; American Academy of Paediatrics/International Paediatric Association course in Children and Environmental Health. Qualified for the award of Diploma in Paediatric Environmental Health.

## **V. HONORS**

### **IV.1. ACADEMIC**

1. 2008; Nestle Nutrition Institute Africa award for outstanding contribution to teaching and research in Paediatric Nutrition in the African region
2. 1993; Outstanding Fellowship Student in newborn medicine at the Monash Medical Centre.
3. 1990; Best overall Master of Medicine student in Paediatrics at the University of Nairobi.
4. 1977; Best all round East African Advanced Certificate of Education student in Kericho High School

### **IV.2: DISTINGUISHED SERVICE TO THE NATION**

1. 2009; the Republic of Kenya Head of State Commendation; Elder of The Order of the Burning Spear (EBS). This was in recognition of my contribution to medical education and key issues regarding Child Health in Kenya and beyond.
2. 2008; Marquis Who is Who in the scientific world listing.
3. 2007; Marquis Who is Who in the scientific world listing

**VI. POSITIONS HELD**

**V: 1 CURRENT**

1. 2017; Acting Principal College of Health Sciences. Here I am responsible for the academic and administrative leadership of the college consisting of the Schools of Medicine, Pharmacy, Dental Sciences, Nursing Sciences and Public Health. The other units in the college are; the University of Nairobi Institute of Tropical Medicine and Infectious Diseases, KAVI-Clinical Trials Institute and the East African Kidney Institute.
2. From 2014; Dean, School of Medicine, University of Nairobi, I am responsible for supervising innovative academic programs in all the 14 departments in the School. The school has over 3000 students and 360 faculty. Other activities include steering the school management and academic boards alongside other college and university wide responsibilities I also provide administrative support for the School.
3. From 2012. Professor of Paediatrics, University of Nairobi. My duties include all those indicated for my previous position plus enhanced mentorship of younger faculty and recent graduates towards enrollment into doctorate degrees. I also provide clinical services at Kenyatta National Hospital as Honorary Consultant Neonatologist.



4. From 2006. Chief Research Adviser; Kenya Paediatric Research Consortium.  
The research arm of the Kenya Paediatric Association. This organization is predominantly involved in child health interventional projects implementation and Operational Research that goes with it.

**V: 2 PAST**

1. 2012-2016 Adjunct Professor of Newborn Medicine, Aga Khan University, Nairobi. Duties also include providing leadership of the division of newborn services. Development of the Fellowship on Perinatal and Neonatal Medicine curriculum.
2. 2008- 2012; Associate Professor. Department of Paediatrics and Child Health (DOP), University of Nairobi. My core duties are teaching year 4 MBCHB students and MMED students in the Departments of Paediatrics and Internal Medicine. I also provide mentorship to all students in the Department of Paediatrics and research supervision for the MMED students. In addition I provide clinical services as a consultant neonatologist for the Kenyatta National Hospital. I took the leading role in the development of the Neonatal and Perinatal Medicine Curriculum.
3. 2007- 2012: Honorary Professor. Department of Paediatrics, Aga Khan University, Nairobi. I am assisting the hospital in developing the neonatal intensive care unit.

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4. 2002-2008: Senior Lecturer. In the Department of Paediatrics, University of Nairobi. My core duties were; teaching, clinical input in Kenyatta National Hospital and research. Other duties were the coordination of postgraduate studies and undergraduate clinical examinations
  
5. 1994-2002: Lecturer. In the Department of pediatrics and child health, University of Nairobi. My core duties included; teaching and clinical input in Kenyatta National Hospital and research. Other duties were the coordination of postgraduate studies and clinical meetings. At one stage I was involved in handling elective students and departmental social programs
  
6. 1991-1993: Neonatal Fellow. At Monash Medical Centre in Melbourne, Australia leading to the award of the Fellowship in Neonatal Medicine. In the course of my training, I provided tutorials to undergraduate students in Monash University and was mentor to several Fellowship of the Royal Australian College of Paediatrics trainees during their neonatal intensive care rotation at the Monash Medical Centre. I also participated in the newborn emergency transport services in the state of Victoria, Australia and was certified as a newborn intensive care transport provider.

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7. 1990-1991: Senior Registrar. Attached to the Newborn Unit at Kenyatta National Hospital. This was part of my induction for the neonatal fellowship program in Australia. I continued providing tuition to MBCHB students and commenced my involvement in formal training of MMED students for the DOP. I even started providing some support for post-graduate students in the development of their research projects.
8. 1987-1990: Resident. At the University of Nairobi's Kenyatta National Hospital campus. This led to the award of the degree of Master of Medicine in Paediatrics and Child Health by the University of Nairobi. During that time I held the position of chief resident, responsible for coordinating all the activities of the three layers of post-graduate students in consultation with the faculty coordinator.
9. 1985-1987: Medical Officer. At Kericho District Hospital. In addition to undertaking the general multi-disciplinary duties in the hospital, I focused much of this time in the children's ward under the supervision of the district paediatrician.
10. 1984-1985: House Officer. At the Machakos General Hospital. I completed the statutory 12 months of supervised internship as required by the Medical Practitioners and Dentists Board of Kenya. I spent 3 months each in the Departments of Medicine, Surgery, Paediatrics and Obstetrics & Gynaecology.

## **VII. OTHER RESPONSIBILITIES**

### **VI.1: THE UNIVERSITY OF NAIROBI**

#### **CURRENT**

1. From 2015. Member of the College of Health Sciences Committee on Streamlining The Kenya National Cohesion and National Values espoused in article 10 of the 2010 constitution
2. From 2015. Representative of the College of Health Sciences in the Board of Management for the Centre for Self Supporting Programs (CESSP). I also serve on the audit sub-committee.
3. 2014-2015 Representative of the College of Health Sciences in the Board of Management for the University of Nairobi Enterprises (UNES)
4. From 2015. Member of the Deans Committee. I also serve in the subcommittee responsible for setting guidelines for credit transfer of students joining the University from other institutions
5. 2015. Member of the senate committee appointed to review the strengthening of the office of the Principal College of Humanities and Social Sciences (CHSS)
6. From 2014. Member of the College of Health Sciences Anti-Corruption Committee

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7. 2014-2016. Member of the tender committee for the University of Nairobi. The committee is responsible for evaluating and approving tenders for the whole university.
8. From 2014. Member of the University of Nairobi Senate. In addition I served on the following sub-committees; streamlining the Students Organization University of Nairobi constitution, Post-retirement contract appointments, Realignment of the promotion criteria for academic staff and re-organization of terminologies of senior teaching and research staff in the university.
9. From 2014. Member and Chair of the School of Medicine Academic Board.
10. From 2014. Member and Chair of the School of Medicine Management Board.
11. 2014. Member of the College of Health Sciences Management Board
12. From 2014; Member of the College of Health Sciences Academic Board

### **PAST**

1. 2016-2017; Member of Senate Subcommittee on development of tools and guidelines for operationalization of the Commission for University Education teaching workload guidelines
2. 2016-2017; Chair of Senate Subcommittee on restructuring of the online application platform.

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3. 2016-2017; Member of senate sub-committee on revision of the Student's Organization University of Nairobi
4. 2015-2016; Member of the task force for reorganization of the structure and functioning of the Procurement Department at The University of Nairobi.
5. 2015-2016; Member of the senate committee on streamlining of the promotion criteria for academic staff at the University of Nairobi
6. 2005-2006; Member of Senate Sub-Committee for re-organization of the functioning of the College of Humanities and Social Sciences
7. 2008-2012; Chief coordinator all examinations in the Department and Chairman of the examination committee. This involves organizing and overseeing both progressive and end of year examinations consisting of setting, moderation, administration, marking and posting.
8. 2008-2009; Chairman of the examination review committee for the School of Medicine. The committee restructured the entire examination system for the School of Medicine. Key points including, introduction of the Objective Structured Clinical Examination (OSCE) in place of the traditional long case/short case systems and establishment of uniform and updated systems of setting, conducting and marking written examinations.
9. 2007-2008; Coordinator of the Post-Graduate program in the Department of Paediatrics.

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10. 2002-2008; Coordinator of Undergraduate Clinical Examinations in the department of paediatrics and child health.
11. 2005; Member of the Departmental, School and College Strategic Planning Committees.
12. 2004-2005; Member of the College of Health Sciences Committee for reviewing teaching staff promotion criteria.
13. 2002-2008; Coordinator and convenor of all departmental clinical examinations. This was the initial phase in the process of upgrading the clinical examination methodologies towards the Objective Structured Clinical Examination (OSCE)
14. 2002-2008; Vice Chairman of the Departmental Income Generating Activities committee.
15. 1994-2003; Coordinator of the Departmental post-graduate program.

### **VI.2: OTHER UNIVERSITIES**

1. 2011- 2015; Doctoral Student Mentor at the Great Lakes University, Kisumu, Kenya.
2. 2011-2013; External Examiner for MMED program at the Muhimbili University. I assisted towards the introduction of the OSCE style of clinical evaluation
3. 2010-2012; External Examiner for MBCHB and MMED at MAKERERE UNIVERSITY, Uganda.

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4. 2009-2011; External Examiner for Master of Public Health (MPH) at Kenyatta University's School of Public Health.
5. 2009-2011; External examiner for MBCHB in the Department of Paediatrics, at Kenyatta University.
6. 2007-2008; External examiner for MMED, Moi University, Department of Child Health and Paediatrics, 2007-2008.
7. 2004-2008; External examiner for Undergraduate students, Moi University, Department of Child Health and Paediatrics.

### **VI.3; EDITORSHIP IN SCIENTIFIC JOURNALS**

1. From 2014; Reviewer for the Lancet
2. From 2010; Member of the editorial board of the East African Medical Journal.
3. From 2010; Reviewer for BMC online Journal
4. 2006- 2014; Reviewer of the African Health Sciences. I review papers on infant nutrition and child development
5. From 1994; Reviewer of the East African Medical Journal. I specifically review papers in paediatrics and neonatology
6. 2007-2012; Member of the editorial board of Advances in Vaccines. In charge of the papers from Sub-Saharan Africa



**VI.4; IN-SERVICE TRAINING**

1. From 2013; Provider of training in contemporary issues in immunizations and vaccinology.
2. From 2013; Trainer of providers of Emergency Triage Assessment and Treatment plus (ETAT+)
3. From; Paediatric Advanced Life Support (PALS/EPLS) and Neonatal Advanced Life Support.

## **VIII. MEMBERSHIP OF TECHNICAL COMMITTEES**

### **VII: 1. LOCAL**

1. From 2016; Member of the joint Ministry of Health and Religious Organization Groups committee for overseeing testing safety of vaccines intended for use in non-routine programs.
2. From 2016; Member of The National Maternal and Perinatal Death Surveillance and Response (MPDSR) Committee
3. From 2016; Chairman of the National tOPV- bOPV Switch Validation committee. This is an additional mandate of the National Polio Certification Committee created by advice of the World Health Organization
4. From 2015; National Bioethics Committee (NBC) under the National commission for Science, Technology and Innovation (NACOSTI). The committee oversees the functions/performance of individual institutional ethics and research committee in Kenya.
5. 2014. Co-chair of the Joint committee made by The Ministry of Health and The Catholic The Catholic Church Medical Commission to resolve the crisis around the maternal tetanus immunization program
6. From 2014; Chairman of the Research and Ethics Committee, Strathmore University, Nairobi

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7. From 2014; Chairman of the Kenya National Immunization Technical Advisory Group (KENITAG). These committee advises the Ministry of Health in all matters pertaining to immunizations in Kenya.
8. From 2014; Chairman of the Kenya National Polio Certification Committee (K-NPCC). This committee is responsible for verifying and reporting the status of Polio Eradication in Kenya. The report flows upwards to the African Regional Certification Committee.
9. 2011-2012; Co-chair of the ad hoc committee for selecting the rotavirus vaccine suitable for the national program in Kenya.
10. 2010-2012. Co-Chair of the technical group that developed the immunization policy for Kenya under the auspices of the Ministry of Public Health & Sanitation.
11. 2010-2011; Co-chair of the technical group that developed the terms of reference for the proposed National Immunization Technical Advisory Group (NITAG).
12. 2006-2013; Member of the National AIDS and Sexually Transmitted Diseases Coordinating Program (NASCOP) Steering committee.
13. 2006-2012; Member of the Inter Agency Coordinating Committee (ICC) for child health representing the Kenya Paediatric Association.
14. 2007-2010; Member of the Pumwani Maternity Hospital Management Board.  
This was a statutory appointment by the ministry of local government.

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15. 2006-2010; Chairman of the national committee of the Paediatric HIV training and mentorship activities under the Ministry of Health.
16. 2005-2006; Member of the Medical Advisory Board of Nairobi Hospital
17. 2001-2004; Member of Medical Advisory Board of Gertrude's Garden Children's Hospital
18. 2001-2003; Chairman of the Medical Advisory Board of Mater Hospital, Nairobi.

### **VII.4. INTERNATIONAL**

#### **CURRENT**

1. From 2017; Chair and member of the Data Safety Management Board for the Fractional Yellow fever trial by MSN France
2. From 2015; Reappointment on PATH's Scientific Advisory Committee, a committee of global experts on pertussis, global health, and maternal immunization policy.
3. From 2014; The Network for Education and Support in Immunization (NESI) group. This is a global group educational group which provides advice on strengthening Immunization Programs through trainings. I am the current Chairman

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4. 2013-2016; The Task Force on Immunizations for the WHO Africa region. This 15 member group advises the WHO (through their National Governments) on all vaccine and immunization issues.
5. From 2013; The WHO's Strategic Advisory Group of Experts (SAGE) on immunization. One of 15 Board Members. I am the point person on the Integration Committee. I am also a member of the Joint Technical Expert Group (JTEG), A Working Group of both Strategic Advisory Group of Experts (SAGE) and Malaria Policy Advisory Committee (MPAC). I am lead member of the Malaria and Ebola vaccines working groups as well as the task force on Maternal Immunizations.
6. 2013-2015; PATH's Whole Cell Vaccine (wSP) Scientific Advisory Committee. The committee meets twice a year to oversee the development of a cheaper Pneumococcal Vaccines
7. 2013-2016; The Technical Advisory Group (TAG) on measles of the WHO Africa region. Advising WHO on measles eradication strategies in Africa.

### **PAST**

1. 2013-2014. The WHO ad hoc committee developing guideline for management of severe infections in young infants.
2. 2011- 2012; The Bill and Melinda Gates Foundation's program for reduction of Childhood Pneumonia. Participated as External Adviser in the development of the pneumonia refresh strategy.

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3. 2011; The GAVI Alliance's prioritization committee on Yellow fever, Measles and Meningitis A vaccines. Member of committee. The committee advised on the logical sequencing of the Introduction of These vaccines in national Programs.
4. 2009; the WHO NEWBORN RESUSCITATION. Temporary Advisor. I participated in a workshop whose work led to the production of the 2012 Guidelines on Basic Newborn Resuscitation, WHO.
5. 2008-2015; the Nestle Nutrition Institute Africa. Board member representing the Eastern Africa and Equatorial Region. The group aims to improve knowledge and practice of human nutrition in Africa through educational and research enhancement.
6. 2006; Temporary WHO advisor on immunizations specifically addressing serotype selection for pneumococcal vaccines in the global arena.
7. 2004-2007; Temporary WHO advisor on children and environmental health. Participated in health worker training programs in Kenya and Botswana

**IX. MEMBERSHIP TO SCIENTIFIC SOCIETIES AND GROUPS**

1. 2013-2016 To date; Member of the standing committee of the International Paediatric Association. This is a global organization whose membership is made up of National and Regional Paediatric Societies and Associations as well as other groups working in the area of child health.
2. From 2010; Eastern African Paediatric Association. This is a federation of the Paediatric Associations and Societies of Kenya, Uganda, Tanzania, Rwanda, Burundi, Ethiopia, Eritrea, Sudan, South Sudan, Djibouti and The Democratic Republic of Congo. I am the inaugural President. The society aims to strengthen professional linkages within these countries.
3. 2009- To date; the African Vaccine Preventable Diseases Network. This is a Pan-African group of scientists focused on providing educational material on childhood immunizations on the continent.
4. 2009-2014; the Global Rotavirus Experts Academy. This is a body focusing on disseminating scientific knowledge on rotavirus disease and its prevention globally.
5. From 2008; the International Society for Tropical Paediatrics; President Member. This is an umbrella organization that homes National Paediatric Associations and Societies in over 60 tropical countries. 2008-2011, Standing Committee Member, 2011-2014, President Elect and 2014-2017, President

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6. 2002-2012; Kenya Paediatric Association; National Chairman. This period the revitalization and rapid evolution of the association from one focusing largely on annual conferencing to the current robust one involved in many areas of child health such as advocacy, program development and implementation, research and national policy issues.
7. 2009-2013; the World Association of Perinatal Medicine (WAPM) as Committee Member. This is a body of health workers whose goal is improvement of reproductive maternal and newborn health in the world
8. 2008-2011; The International Society for Tropical Paediatrics; Committee member. This is an umbrella organization that homes National Paediatric Associations and Societies in over 60 tropical countries.
9. 2006-2012. the Global Pneumococcal Awareness Council of Experts. A body dedicated to increasing awareness and up take of Pneumococcal Vaccines in developing countries.
10. 2006-2012; The Kenya Appropriate Antibiotic Use Initiative. I was the Vice Chairman. This group consisting of health workers from all disciplines aims to disseminate knowledge on rational use of antibiotics.
11. 2003-2007; the International Paediatric Association's Environmental Health Committee. The subcommittee spearheads advocacy and knowledge dissemination around the impact of environmental degradation on child health.



**X. RESEARCH WORK AND GRANTS**

**IX.1: COMPLETED**

1. 2010- 2015 PRIME Kenya MNCH-Linked project a collaborative project of UON and University of Washington, Seattle. I was initially an aim leader but currently serve on the board since assuming the position of Dean. 2013-2015 Scaling up of Diarrhea Treatment in Kenya in Kenya through Enhance training of HCWs. Project funded by Clinton Health Access Initiative (CHAI). Funding level, 650,000 USD. It is hosted at the Kenya Paediatric Research Consortium.
2. 2011-2014; Health Services and Implementation Research and Clinical Excellence (SIRCLE) Collaboration funded by The Consortium for National Health Research. The project is a partnership between The University of Nairobi's College of Health Sciences, KEMRI-Welcome Trust and The Ministry of Health Services. I am the Co-Principal Investigator. The first phase of the project takes place between 2011 and 2013. I am the Co-PI. The project is valued at about 660,000 USD
3. 2011-2013; Member of the Data Safety Monitoring Board (DSMB) for the WHO neonatal sepsis study titled "Simplified Regimens for Management of Possible Serious Bacterial Infections in Neonates and Young Infants for Use in Outpatient and Community Settings: A multi-centre Randomized Controlled Trial in Africa"

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4. 2008-2010; National in-service training on Newborn Advanced Life Support [NALS] covering several regions in Kenya. I was the project leader
5. 2002-2010; the national survey for inpatient pediatric care at district hospital level. A collaborative study by the Departments of pediatrics of the universities of Nairobi and Moi and Welcome Foundation
6. 1992-to1993; Intravenous Calcium Supplementation in Preterm infants in the neonatal intensive care unit in Australia. This project formed part of the newborn medicine fellowship program.
7. 2011--2014; Partnership for Advanced Clinical Education [PACE] project between the University of Maryland and The Kenya Paediatric Association. I am the Principal Investigator. Total value 1,000,000USD
8. 2006-2011; the role of mentorship in promoting uptake of care of children with HIV/AIDS in Kenya. A CDC funded project implemented by the Kenya Paediatric Association. I was the Principal Investigator. Total value was 1,800,000 USD

### **IX.2: ON-GOING**

1. 2015-2021; Partnership for health research and training (PHERT) in Kenya. A University of Nairobi Project sponsored by National Institute of Health (NIH) USA.
2. From 2009; East African regional training of health workers on Emergency Triage and Treatment [ETAT+] of sick children during the first 24 hours of admission as Project Leader. Royal College of Paediatrics and Child Health, UK.

**XI. DISSERTATIONS AND THESES SUPERVISED**

**X.1: MASTER OF MEDICINE/PUBLIC HEALTH**

**X.1.1: COMPLETED**

1. 1994. Pattern of Childhood Accidents at Kenyatta National Hospital by Dr. Makewa D.
2. 1996. Knowledge attitudes and practices of mothers and health workers Towards postnatal umbilical cord care in Nairobi, slum populations by Dr.Obimbo E, 1996
3. 1997. Audit of the management of neonatal infections at Kenyatta National Hospital, Dr RO Mukhwana.
4. 1999. Needle sticks injuries in public hospitals treating children. Dr Gisore O P.
5. 1999. Hyponatremia in sick preterm babies at KNH Dr Ndwiga DN.
6. 2001. Early neonatal infection among out-born babies at Kenyatta National Hospital. Dr. Lusweti B.
7. 2001. Atypical pneumonia in newborns with late neonatal infection at Kenyatta National Hospital. Dr Govedi FA.
8. 2001. Neonatal Hypothyroidism in infants born at Kenyatta National Hospital, Dr Maghasi M.

9. 2003. Factors associated with measles resurgence in Nairobi, Dr Muiruri P.
10. 2003. Factors determining compliance of secondary prevention of Rheumatic Fever and Rheumatic Heart Disease, Dr Omingo A.
11. 2004. Cholestatic jaundice in newborns at Kenyatta National Hospital, Dr Ngwatu P.
12. 2004. Factors affecting Glycaemic control among children in diabetic clinics, Dr Ngwiri P.
13. 2004. Zinc status in LBW infants at Kenyatta National Hospital, Dr. Tsikhutsu Issac
14. 2004. Knowledge and practices of health workers on the management of pentavalent vaccine in Nairobi. MPH, Kenyatta University, Ms Agunda S.
15. 2005. Metabolic complications among LGA infants at KNH, Dr Bandika J
16. 2005. Prevalence of Chicken pox antibodies among healthy children at KNH, Dr Bashir A.
17. 2007. Prevalence of Oro-facial malformations in KNH and Pumwani hospitals. Dr Odhiambo P. Master of Dentistry
18. 2008. Magnesium levels in newborns of mothers who receive Magnesium Sulphate during labor. Dr Virginia Muviku
19. 2008. Protocolized feeding of Low Birth Weight Infants. Dr Ngetich Eric

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20. 2008. Predictors of death and major complication in babies born by caesarian section at Pumwani Maternity Hospital. Dr Ngugi John
21. 2008. Validation of transcutaneous bilirubin measurement in Kenyan newborns. Dr Benard Awuondo
22. 2009. Barriers to good adherence to Anti-retroviral drug treatment by children at Thika District Hospital; Linet Arika, Kenyatta University.
23. 2009. Prevalence of HIV/AIDS in children with severe and Very Severe Pneumonia; Dr. Minnie Kibore.
24. 2010. Proteinuria in children with diabetes mellitus at Kenyatta National Hospital. Dr Prisca Amolo.
25. 2010. Linkage to continuing comprehensive HIV/AIDS care of children diagnosed with disease at KNH. Dr Immaculate Mutisia
26. 2011. Prevalence of malnutrition in School children in Kilifi District, Dr Supa Tonje
27. 2011. Quality of care of children with Tuberculosis at The Kenyatta National Hospital. Dr D Musila
28. 2011. Factors associated with adherence to ART among children attending the outpatient clinic at Gertrude's Garden Children's Hospital. Ms Lynnette Arika at the School of Public Health, Kenyatta University

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29.2012. Knowledge Attitudes and Practice of Clinicians regarding Pulse Oximetry.

Dr. Terry Njoroge.

30.2012. Prevalence of Acute Kidney Injury in children with severe illness at Kenyatta National Hospital. Dr Cecelia Mutiso.

31.2012. George Gwako. Ante-Natal Corticosteroid use in preterm birth at Kenyatta National Hospital

32.2013. Bacterial isolates in blood among severely malnourished children attending Mbagathi District Hospital and their sensitivities to the current antibiotic protocols recommended by WHO. Dr. Wycliffe Kimani Ngaruiya.

33.2013. Audit of the quality of care of children with Acute Severe Malnutrition at Mbagathi District Hospital. Dr Jean Wangechi Kinyua.

34.2013. Mother's knowledge of signs of neonatal illness and assessment of perceived well neonates at the time of discharge. Dr Anne Gathoni.

35.2015 Dr Phanice Okara; The effect of newborn Resuscitation Training on Perinatal Asphyxia rates at a Level 5 health facility

36.2015. Dr. Rose Munge; The effect of reinforcement training on use of partograph on perinatal asphyxia rates at a level 5 health facility

37. Dr. Maureen Muthoni Njoroge; Factors associated with hypernatremia in infants less than 60 days old

38. Dr. Veronica Obunga; Hospitalization rates of babies born at Kenyatta National Hospital within the first month of life.

**X.1.2: IN PROGRESS**

39. Dr Priscilla Ng'ang'a. Clinical Profile And Audit Of Clinical Care Of Preterm Infants With Respiratory Distress Syndrome At The Kenyatta National Hospital

**X.2: DOCTORAL**

**X.2.1; COMPLETED**

40. 2013. Dr Gisore Peter. Linking Community Based Health Information System (CBHIS) with Health Information System (HIS) for effective decision making at the Great Lakes University of Kenya

41. 2014. Prof Julius Ogeng'o; The pattern of complications and anatomical risk factors of atherosclerosis among black Kenyans

42. 2014. Dr Otieno S, Selenium in pathogenesis of HIV/AIDS in children. Kenyatta University.

43. 2015. Dr Florence Nafula Okwara. Optimizing The Diagnosis and Prevention of Tuberculosis in children less than 4 years of age through a family oriented contact tracing approach at Kenyatta University.

**X.2.2: ONGOING**

44. Peter Mutuma Mung'ira. Health Care Related Neonatal Infections Associated With Hand Hygiene Among Health Care Workers in Kenya. Kenyatta University.

Collecting Data

45. Esther Wanjiku Kariuki. Efficacy of psychosocial intervention on maternal depression and mother and child DYAD in Kibera Nairobi. University of Nairobi.

Submitted for defense.

**X.2.3: DOCTORAL THESES MARKED**

46. Wanyoro Anthony Karanja. Use of mobile phone short text message service to enhance cervical cancer screening at the Thika Level 5 Hospital, Kiambu County, Kenya. P97/26013/2011. Kenyatta University. 2015

47. Kithinji Lucy Mwari. Determinants of utilization of growth monitoring clinic services among children aged 12-59 months in Kiambu and Machakos Counties.

P97/11069/2008. Kenyatta University; 2017



## **XII. PUBLICATIONS**

### **Summary**

1. Dissertations and thesis	3
2. Abstracts in conference proceedings	62
3. Papers in peer reviewed journals	62
4. Chapters in scholarly books	7
5. Policy documents and guidelines	5
TOTAL	131

### **XI.1: DISSERTATIONS AND THESES**

1. 1990; Were F, Kagia J and Nyikal J W. Factors associated with growth faltering at Mathare North Clinic. MMED dissertation at the Department of Paediatrics and Child Health, University of Nairobi,
2. 1993; Were FN, Reese J, Ramsden A and Roda C; Calcium supplementation in very low birth weight infants. Monash Medical Centre, Melbourne, Australia.
3. 2006; Were FN and Bwibo NO. Long term outcomes of very low birth weight infants at Kenyatta national Hospital. MD thesis at the Department of Paediatrics and Child Health, University of Nairobi.

**XI.2: SCIENTIFIC CONFERENCE ABSRACTS**

4. Were FN, Nyikal JW, and Kaggia J. Determinants of growth faltering in Mathare North Clinic. The Second Conference of the Association of Physicians, East and Central African. Nairobi, Kenya, 1990.
5. Were FN, Rees J, Roda C, Ramsden A. Intravenous calcium supplementation in preterm infants. ABSTRACT IN the proceedings of the 6<sup>th</sup> Australian and New Zealand Perinatal Society annual conference; 1993.
6. Were FN, Alcohol as a preservative in paediatric medicinal preparations. The Kenya Medical Association Annual Scientific Meeting. Nakuru, Kenya, 1994
7. Were FN, Intravenous fluid management in newborns undergoing surgery. The Kenya Anesthesiologists Association Annual Conference, Nairobi. 1996.
8. Were FN, Prevention of respiratory distress syndrome. Kenya Obstetric and Gynaecological Association Annual Conference Nairobi, Kenya 1996.
9. Were FN, Neonatal Resuscitation; Kenya Anesthesiologists Association Annual Conference, Nairobi 1997.
10. Were FN. Hepatitis B, local disease burden and immunization. Kenya Pediatric Association biannual Conference, Mombassa, 1997.
11. Were FN, Post-primary vaccination Strategies for Kenya, Kenya Paediatric Association biannual conference, Mombassa, 2001.

12. Were FN, Organization of the national immunization program-how to incorporate new antigens. Kenya Paediatric Association biannual conference, Mombasa, 2003.
13. Were FN. Epidemiology of childhood injuries in Kenya. The 25<sup>th</sup> International Paediatric congress in Cancun Mexico, 2004.
14. Were FN, Strategies for Neonatal Survival in Kenya. Kenya Paediatric Association annual conference, Mombasa, 2004.
15. Were FN. Aflatoxicosis Out-brakes in Kenya. The 25<sup>th</sup> International Paediatric congress in Cancun Mexico, 2004.
16. Were FN, Organization of newborn services in Kenya. Kenya Paediatric Association annual conference, Mombasa, 2005.
17. Were FN, Feeding the low birth weight infant Kenya Paediatric Association biannual conference, Mombasa, 2006.
18. Were FN, Bwibo NO, Early nutrition and later outcomes in VLBW infants at Kenyatta National Hospital. The 20<sup>th</sup> European congress of perinatal medicine, Prague, Czech Republic 2006.
19. Were FN, Strategies for strengthening immunization in Kenya. Pneumococcal investigators' meeting in Colombo, Sri Lanka, 2006.

- 20.** Were FN, Appropriate antibiotic use in severe infections. Kenya Paediatric Association annual conference, Mombasa, 2007.
- 21.** Were FN, Perinatal Health in Kenya- a paediatric perspective. Kenya Obstetric and Gynaecological Society annual conference, Nyeri, Kenya, 2007.
- 22.** Were FN, Activities towards realizing the strategies for strengthening immunization in Kenya. Pneumococcal investigators' meeting in Bangkok Thailand, 2007.
- 23.** Were FN, The impact of environmental pollution from the Dagoreti slaughterhouse on child health in the surrounding areas. The 25<sup>th</sup> International Paediatric congress in Athens, Greece, 2007.
- 24.** Were FN, Bwibo NO, the contribution of Very Low Birth Weight Infants on the overall infant deaths in Kenya the 8<sup>th</sup> world congress of perinatal medicine in Florence, Italy 2007t
- 25.** Were FN, The burden of childhood pneumonia in Sub-Saharan Africa. The 4<sup>th</sup> Canadian conference for international health in the city of Ottawa, Canada, 2007.
- 26.** Were FN, Childhood Pneumococcal Vaccination: The time is now. The 8<sup>th</sup> international congress of tropical Paediatrics. Manila, Philippines, April 2008

- 27.** Were FN, Burden of pneumococcal diseases in Sub-Saharan Africa. The 12<sup>th</sup> Union of Paediatric Associations and Societies conference in Sun City RSA, 2008.
- 28.** Were FN, Pneumococcal Disease; towards universal vaccination in Kenya in the 6<sup>th</sup> International Symposium on Pneumococci and Pneumococcal Diseases 2008, Iceland.
- 29.** Were FN, Feeding the low birth weight infant in resource restricted environments in The XXIV International Congress of the Foetus as a Patient. In Frankfurt, Germany. June 2008.
- 30.** Were FN, Perinatal Health in Sub-Saharan Africa. Sudan First International Conference of Perinatal Medicine by the Worldwide Association of Perinatal Medicine. Khartoum, November 2008.
- 31.** Were FN, Saving SS Africa's Low Birth Weight Infants. Sudan First International Conference of Perinatal Medicine. The Worldwide Association of Perinatal Medicine. Khartoum, November 2008.
- 32.** Were FN. Long term outcomes of the VLBW infants in Kenya, 26<sup>th</sup> congress of the International Paediatric Association. Johannesburg South Africa August 2010.
- 33.** Were FN. Meningococcal vaccines; who needs them; the 26<sup>th</sup> congress of the International Paediatric Association. Johannesburg South Africa August 2010

- 34.** Were FN. Aflatoxicosis outbreaks in Kenya; how do we control them? The 26<sup>th</sup> congress of the International Paediatric Association. Johannesburg South Africa August 2010
- 35.** Were FN. Rotavirus Immunization; case for early protection, the 26<sup>th</sup> congress of the International Paediatric Association. Johannesburg South Africa August 2010
- 36.** Were FN. Overcoming barriers to vaccine implementation, the 26<sup>th</sup> congress of the International Paediatric Association. Johannesburg South Africa August 2010
- 37.** Were FN. Strategies for reducing perinatal deaths in developing countries. Global Congress Of Maternal And Infant Health Barcelona Spain, Sept 2010
- 38.** Were FN. Feeding the Low Birth Weight infant in developing countries. Global Congress Of Maternal And Infant Health, Barcelona Spain, September 2010  
Barcelona Spain, September 2010
- 39.** Were FN. Combating neonatal infections in developing countries. Global Congress Of Maternal And Infant Health Barcelona Spain, September 2010
- 40.** Were FN. Nutrition, Panacea of Infant Mortality. The Annual Conference of The Kenya Paediatric Association, Mombasa, April 2011
- 41.** Were FN. Nutrition and childhood mortality. The Annual Conference of The Kenya Paediatric Association, Mombasa, April 2011

- 42.** Were FN. Pneumococcal Diseases; a burden we cannot ignore. The Annual Conference of The Kenya Paediatric Association, Mombasa, April 2011
- 43.** Were FN Childhood immunizations; an African perspective. The Annual Conference of The Kenya Paediatric Association, Mombasa, April 2011
- 44.** Were F; Outcomes of Very Low Birth Weight Infants in developing Countries, The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok.
- 45.** Were F; Dengue Fever in Africa, The 9<sup>th</sup> International Congress of Tropical 2011 Paediatrics, in Bangkok.
- 46.** Were F. Reducing Rotavirus disease through vaccination, The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok. 2011
- 47.** Was F Defining efficacy of Pneumococcal vaccines in GAVI eligible countries The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok 2011.
- 48.** Were F; Neonatal Infections. The 12<sup>th</sup> congress of the World Society for Paediatric Infectious Diseases, Melbourne, Australia 2011.
- 49.** Were F; Malaria in African Children. The 12<sup>th</sup> congress of the World Society for Paediatric Infectious Diseases, Melbourne, Australia 2011.
- 50.** Were F; Understanding the Efficacy of Pneumococcal vaccines. The 12<sup>th</sup> congress of the World Society for Paediatric Infectious Diseases, Melbourne, Australia 2011.

## Were FN Curriculum Vitae June 2017

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- 51.** Were F; Overcoming barriers to Pneumococcal Vaccine Implementation. 8<sup>th</sup> International Society for Pneumococcus and Pneumococcal Diseases Conference, Iguasu Falls, Brazil 2012
- 52.** Were F; Impact data with PHiD-CV in Africa and non-EU countries. Workshop on advancing health equity in emerging markets. Casablanca, Morocco, 2012
- 53.** Were F; Meningococcal Vaccines, for whom? The Kenya Paediatric Association Annual Conference, Mombasa 2012
- 54.** Were F; Global Efficacy and Effectiveness of Rotavirus Vaccines. The Kenya Paediatric Association Annual Conference, Mombasa 2012
- 55.** Were F; Acting today for a healthy tomorrow: a key note conference presentation. The 1<sup>st</sup> National Paediatric Association of Rwanda Conference' Kigali, Rwanda
- 56.** Were F; Universal Mass Vaccination for PCV-Kenya's experience. Special pre-introduction conference hosted by the Ministry of Health and Sudan Paediatric Society, Khartoum, Arab Republic of Sudan
- 57.** Scaling up nutrition for low birth weight infants; the experience from Kenya. The Nutrition & Dietetic societies of South Africa, Cape Town 2013
- 58.** Were F; Rotavirus Vaccination in Kenya; have We Strode off the Path? The 14<sup>th</sup> Annual Kenya Paediatric Association Conference, Mombasa Kenya



- 59.** Were F; Globalization of infectious diseases. Key-note paper at the international forum on infectious diseases; Nairobi 2013
- 60.** Were F; Intrauterine Growth Retardation in Sub-Saharan Africa. Nestle Nutrition Institute's IUGR conference; New Delhi, India 2013
- 61.** Were F; Essentials on Neonatal Infections-Evidence Based Decisions. The 8<sup>th</sup> World Congress of the World Society for Pediatric Infectious Diseases. Cape Town RSA, 2013
- 62.** Were F; Effectiveness of Conjugate Pneumococcal Vaccines in Developing countries; The 5<sup>th</sup> Asian Vaccine Congress, Hanoi, Viet Nam, 2015
- 63.** Were F; Complementary Feeding: Guiding Principles. The African Nutrition Society Conference, Arusha, Tanzania, 2015
- 64.** Were F, The impact of complementary feeding in the first 1000 days. NNIA scientific workshop, Windhoek, Namibia
- 65.** Were F, Chronic Intrauterine infections in tropical countries. The 11 International Congress of Tropical Paediatrics, Jogjakarta, Indonesia. 2017

**XI.3: PEER REVIEWED PAPERS**

66. Were FN. Pyrexia of undetermined cause in children. East African Medical Journal. 1991; 68: 9; 683.
67. Obimbo E, RN Musoke, FN Were. Knowledge, Attitudes, and Practices of mothers and knowledge of health workers regarding care of the newborn umbilical cord. East African Medical Journal. 1999; 76:425-429.
68. Were FN, Mukhwana RO and Musoke RN. Neonatal survival of inborn infants less than 2000grams at birth at Kenyatta National Hospital. East African Medical Journal. 2002; 79: 77-79.
69. Ndwiga DN, Were FN, Musoke RN. Hyponatremia in Very Low Birth Weight Infants. East African Medical Journal. 2002; 79: 21-124.
70. Were FN, Govedi FA, Revathi G and Wambani JS. Chlamydia as a cause of late neonatal pneumonia at Kenyatta National Hospital, Nairobi. East African Medical Journal, 2002; 79: 7-10.
71. Were F.N, Mukhwana R O and Musoke RN. Early Perinatal Mortality at Kenyatta National Hospital. The Journal of Obstetric and Gynecology East and Central Africa. 2003; 16(1): 15-18.

- 72.** Were FN, Lusweti B, Wasunna A, and Musoke RN. Is delivery outside hospital a risk of development of early sepsis? *Journal of Obstetrics and gynaecology East and Central Africa*. 2004; 7(1): 19-24.
- 73.** English M, Esamai F, Wasunna A, Were F, Ogutu B, Wamae A, Snow RW, Peshu N. Assessment of inpatient paediatric care in first referral level hospitals in 13 districts in Kenya. *Lancet*. 2004; 363:1948-1953.
- 74.** English M, Esamai F, Wasunna A, Were F, Ogutu B, Wamae A, Snow RW, Peshu N. Delivery of paediatric care at the first-referral level in Kenya. *Lancet*. 2004; 364:1623-1629.
- 75.** Were FN, Newborn Survival Revolution; EDITORIAL IN the *East African Medical Journal*. 2005; 82: 545-546
- 76.** Omondi-Ogutu J, Were FN. Steroid use in rhesus negative sensitized mothers to reduce Anti-D titres. *Journal of Obstetrics and Gynaecology East and Central Africa*. 2005; 19:41-45
- 77.** Were FN, Bwibo NO. Early growth of very low birth weight infants. *East African Medical Journal*. 2006; 83:84-89.
- 78.** Were FN, Bwibo NO. Two-Year Neurological Outcomes of VLBW Infants. *East African Medical Journal*. 2006; 83: 243-249

- 79.** Sekela Mwakyusa, A Wamae, A Wasunna, F Were, F Esamai, B Ogotu, A Muriithi, N Peshu and M English. Implementation of a structured paediatric admission record for district hospitals in Kenya – results of a pilot study. *BMC International Health and Human Rights* 2006, 6:9
- 80.** Meeting report; WHO expert consultation on serotype composition of pneumococcal conjugate vaccines for use in resource-poor developing countries. *Vaccine*, 2007; 25:6557-6564
- 81.** Were FN, Bwibo NO. Nutrition and later outcomes among very low birth weight infants at Kenyatta National Hospital. *African Health Sciences*. 2007; 7(2): 96-102
- 82.** Newton Opiyo, Fred Were, Fridah Govedi, Greg Fegan, Aggrey Wasunna, Mike English. Effect of Newborn Resuscitation Training on Health worker Practices in Pumwani Hospital Kenya. *PLoS ONE*.2008; 3(2): e1599.doi; 10.1371/ journal.
- 83.** Mike English, Grace Irimu, Annah Wamae, Fred Were, Aggrey Wasunna, Greg Fagan and Nobert Peshu. Health systems research in a low-income country: easier said than done. *Archives of diseases of childhood*. 2008; 93:540-544
- 84.** Grace Irimu , Annah Wamae, Aggrey Wasunna, Fred Were, Stephen Ntoburi, Newton Opiyo, Philip Ayieko, Nobert Peshu and Mike English. Developing and introducing evidence based clinical practice guidelines for serious illnesses in Kenya. *Archives of diseases of childhood*. 2008; 93:799-804

- 85.** Bashir A, Macharia WM, Were FN. Prevalence of Varicella infection in HIV infected children attending Kenyatta national Hospital. The East African Medical Journal. 2008;85:480-86
- 86.** Were FN, Bwibo NO, Contribution of Very Low birth Infants to the infant mortality in The East African Medical Journal. 2009:86.
- 87.** Meenakshi Ramakrishnan, Aaron J. Ulland, Laura C. Steinhardt, Jennifer C. Moisi Fred Were and Orin S. Levine. Sequelae due to bacterial meningitis among African children: a systematic literature review. BMC Medicine 2009, 7:47 doi:10.1186/1741-7015-7-47
- 88.** Charles Opondo, Steven Ntobiri, John Wagai, Jackline Wafula, Aggrey Wasunna, Fred Were, Annah Wamae, Santau Migiro, Grace Irimu, Mike English. Are hospitals prepared to support newborn survival?-an evaluation of eight first-referral level hospitals in Kenya. Trop Med International Health, 2009; 14(10): 1165-1172
- 89.** KP Klugman, J Carau, F Were (collaborating author) Perspective; A preventable killer: Pneumonia. Clinic Microbial Infect, 2009; 15:989-990
- 90.** Onyango AB, Suresh G, Were F. Intermittent phototherapy versus continuous phototherapy for neonatal jaundice (Protocol). The Cochrane Collaboration and published in The Cochrane Library 2009, Issue 4.

- 91.** Dagan R, Bhutta ZA, de Quadros CA, Garau J, Klugman KP, Khuri-Bulos N, Levine O, Saha SK, Sow S, Were F, Yang Y. The remaining challenge of pneumonia; the leading killer of children. *Pediatric Infectious Disease J.* 2011 Jan; 30(1):1-2.
- 92.** Philip Ayieko, Stephen Ntoburi, John Wagai, Charles Opondo, Newton Opiyo, Santau Migiro, Annah Wamae, Wycliffe Mogo, Fred Were, Aggrey Wasunna, Greg Fegan, Grace Irimu, Mike English. A Multifaceted Intervention to Implement Guidelines and improve admission Paediatric Care in Kenyan District Hospitals: A Cluster Randomised Trial. *PLoS Medicine* April 2011 | Volume 8 | Issue 4 | e1001018
- 93.** David Gathara, Newton Opiyo, John Wagai, Stephen Ntoburi, Philip Ayieko, Charles Opondo, Annah Wamae, Santau Migiro, Wycliffe Mogo, Aggrey Wasunna, Fred Were, Grace Irimu and Mike English. Quality of hospital care for sick newborns and severely malnourished children in Kenya: A two year descriptive study in 8 hospitals. *BMC Health Services Research* 2011, 11:307. <http://www.biomedcentral.com/1472-6963/11/307>
- 94.** Charles Shey Wiysonge, George E Armah, Shabir A Madhi, Fredrick Were, Sabrina Bakeera Kitaka, Gregory D Hussey et al. The African Vaccine-Preventable Diseases Network: a vaccine advocacy initiative. *Pan African Medical Journal.* 2011; 8:24

- 95.** Otieno SB, Afulo A, Were FN. Effect of yeast selenium on CD4 T cell counts and WAZ scores of Non-institutionalized HIV type 1 positive orphans in Kisumu, Kenya. University of science and technology of Chins press. Hefei, 2011; ISBN 978-7-312-02929-5
- 96.** A Odhiambo, EC Rotich, M L Chindia, F G Micigo, M Ndavi, F Were. Craniofacial anomalies amongst births in two hospitals in Nairobi, Kenya. International Journal of Oral & Maxillo-Facial Surgery. 2012; 41:596-603
- 97.** Fred Were. The dengue situation in Africa; Paediatrics and International Child Health 2012; 32 (S1): 18-21
- 98.** P. Gisore, F. Were, D. Ayuku And D. Kaseje. Perspective on opportunities for research and Interventions provided by community based health Information system illustrated by the potential use of Motivational interviewing intervention. East African Medical Journal 2012; 89( 6):46-50
- 99.** Julius A Ogeng'o, Kevin W Ongeti, Abel Malek, Fred N Were, Musa Misiani, Bethlene Wasiko, Acleus Murunga, Judith Machira. Anatomic Risk Factors for Atherosclerosis of the Left Carotid Artery in a Black Kenyan Population. Research open Journal of Anatomy 2013;1(1):01-07
- 100.** Gwako G, Qureshi ZN, Kudoyi W, Were F. Ante-Natal Corticosteroid use in preterm birth at Kenyatta National Hospital. Journal of Obstetrics and Gynaecology East and Central Africa. 2013;25(1):15-21

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- 102.** Bandika VL, Were FN, Simiyu ED, Oyatsi DP. Hypoglycaemia and hypocalcaemia as determinants of admission birth weight criteria for term stable low risk macrosomic neonates. African Health Sciences. 2014 Sep; 14(3):510-6. doi: 10.4314/ahs.v14i3.3.
- 103.** Peter Gisore, Dan Kaseje, Fred Were, David Ayuku. Motivational Interviewing Intervention on Health Seeking Behaviour of Pregnant Women in Western Kenya. Journal of Applied Behavioral Research. 2014; 19(2): 144-156
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- 105.** Otieno SB, Were F, and Kabiru EW, Waza K: The Effect Of yeast Selenium on WAZ in HIV infected Children in Nyamasaria Kisumu Kenya, International Journal of Current Advanced Research. 2014; 4 (7):194-199.



- 106.** Warfa O, Njai D, Admani B, Were F, Wamalwa D, Osano B. Mburugu P, Mohammed M. Evaluating the level of adherence to Ministry of Health guidelines in the management of severe acute malnutrition at Garissa Provincial General Hospital, Garissa, Kenya. Pan Afri Med J; 2014 <http://www.panafrican-med-journal.com/content/article/17/214/full>
- 107.** Mike English, David Gathara, Stephen Mwinga, Philip Ayieko, Charles Opondo, Jalemba Aluvaala, Elesban Kihuba, Paul Mwaniki, Fred Were, Grace Irimu, Aggrey Wasunna, Wycliffe Mogo, Rachel Nyamai. Adoption of recommended practices and basic technologies in a low-income setting. ADC Online First, published on January 30, 2014 as 10.1136/archdischild-2013-305561
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- 109.** Jalemba Aluvala, Rachel Nyamai, Fred Were, Aggrey Wasunna, Rose Kosgei, Jamlick Karumbi, David Gathara, Mike English. Assessment of neonatal care in clinical training facilities in Kenya. Arch Dis of Chil, 2015; 100:42-27
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- 111.** David Gathara, Rachael Nyamai, Fred Were, Wycliffe Mogo, Jamlick Karumbi, Elesban Kihuba, Stephen Mwinga, Jalemba Aluvaala, Mercy Mulaku, Rose Kosgei, Jim Todd, Elizabeth Allen, Mike English on behalf of the SIRCLE/Ministry of Health Hospital Survey
- 112.** Group. Moving towards routine evaluation of quality of inpatient pediatric care in Kenya. PLOS ONE. 2015; DOI:10.1371/journal.pone.0117048
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- 114.** Okwara FN, Oyore JP, Were F. The challenges of fraughting isoniazid prophylaxis as a child tuberculosis preventing strategy in high burden settings in Nairobi, Kenya. The East and Central Africa Medical Journal. 2015; 2 (1):39-45
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- 121.** Mike English, Irimu G, Agweyu A, Gathara D, Oliwa J Ayieko P, Were F, Paton C, Tunis S, Forrest CB. Building Learning Health Systems to Accelerate Research and Improve Outcomes of Clinical Care in Low and Middle Income Countries. *Plos Mes*, 2016 13(4): e1001991.doi:10.1371/journal.pmed.1001991

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- 125.** David Gathara, Lucas Malla, Philip Ayieko, Stella Karuri, Rachel Nyamai, Grace Irimu, Michael Boele van Hensbroek, Elizabeth Allen, Mike English, and the Clinical Information Network. Variation in and risk factors for paediatric inpatient all-cause mortality in a low income setting: data from an emerging clinical information network. BMC Pediatrics, (2017) 17:99 DOI 10.1186/s12887-017-0850-8.

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**XI.4: POLICY DOCUMENTS AND GUIDELINES DEVELOPED**

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[http://www.who.int/maternal\\_child\\_adolescent/documents/basic\\_newborn\\_resuscitation/en/](http://www.who.int/maternal_child_adolescent/documents/basic_newborn_resuscitation/en/)

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**XI.5: CHAPTERS IN BOOKS**

- 133.** 2013; Were F, Ochieng R and Wairimu E K. An algorithms for Neonatal Intensive care in a middle income setting
- 134.** 2013; Were F. Scientific reviewer. Emergency Triage and Treatment plus (ETAT+) self learning manual for health workers.
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### **XIII. CONFERENCES/WORKSHOPS ATTENDED**

#### **CONFERENCES**

1. August 1989; The Kenya Paediatric Association/ the 4<sup>th</sup> African Union of Paediatric Societies and Associations scientific conference and the 2<sup>nd</sup> International congress of tropical Paediatrics in Nairobi. Member of the organizing committee.
2. August 1990; The Association of Physicians East and Central African Scientific Conference in Nairobi; presentation on “The Factors associated with growth failure at Mathare North Clinic”. This was part of my MMED thesis work
3. July 1993; The 11<sup>th</sup> congress of the Australian Perinatal society in Hobert, Australia Presented a research paper, “calcium supplementation in LBW infants”
4. August 1994; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; Emerging Issues in Paediatrics. Chairman of the organizing committee
5. April 1994; Annual Kenya Medical Association Conference in Nakuru, Kenya. Was guest with an oral presentation on “The undesired effects of alcohol used as a preservative in commonly used antipyretics/analgesics in Children”
6. October 1996; The Kenya Anesthesiologists Association Annual Conference as invited speaker. Paper read; “Intravenous fluid therapy for newborns undergoing surgery”.

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7. August 1996; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; emerging issues in Paediatrics. Chairman of the organizing committee
8. Feb 1996; the Kenya Obstetric and Gynaecological Association Annual Conference at the Aga Khan Hospital, Nairobi. Invited Speaker “The prevention of Respiratory Distress Syndrome in newborns”
9. August 1997; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; Child health revisited. Chairman of the organizing committee and Invited speaker. Title “epidemiology of hepatitis b in Kenya children”
10. May 1997; The Kenya Anesthesiologists Association Annual Conference, As invited Guest speaker I read a paper on “ Effective practices in the resuscitation of newborns at birth
11. August 1998; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; Childhood infections in Kenya. Chairman of the organizing committee and Invited Speaker; Papers read, “prevention of neonatal infections”
12. August 2000; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; shall we achieve the MDG 4 in Kenya. Invited Speaker; paper read “organization of newborn services in Kenya” as well as being the Chairman of the organizing committee

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13. August 2002; The Kenya Paediatric Association biannual conference. Invited Speaker, paper read; “Immunization beyond the primary program in Kenya”.

14. August 2004; The 24<sup>th</sup> International Paediatric congress in Mexico. Invited speaker; Papers read; 1. The epidemiology of childhood accidents in Kenya, 2. Aflatoxin outbreaks in Kenya: the paediatric burden”.

15. May 2006; Pneumococcal investigators meeting in Colombo, Sri Lanka. Invited Speaker; Topic “The methodology of planned activities on strengthening immunization services in Kenya”.

16. April 2006; The Kenya Paediatric Association biannual conference. Invited Speaker, paper read, “Feeding the low birth weight infant”.

17. April 2007; The Kenya Paediatric Association annual scientific conference in Nairobi. Theme; Evidence based paediatric practice. Invited Speaker, papers read were; 1. Value of vaccines, 2. Appropriate use of antibiotic use.

18. Feb 2007; The Kenya Obstetric and Gynaecological Society annual conference, Nyeri, Kenya. Invited Speaker, paper read “Perinatal health in Kenya-a paediatric perspective”

19. Feb 2007; Pneumococcal investigators meeting in Bangkok Thailand. Invited Speaker; Topic; “strengthening immunization services in Kenya”.

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20. May 2007; The 25<sup>th</sup> International Paediatric congress in Athens, Greece. Invited Speaker: Topic; “Environmental pollution emanating from the Dagoreti slaughterhouse- A serious health hazard for children”.
21. July 2007; The 8<sup>th</sup> world congress of perinatal medicine in Florence, Italy. Oral research paper based on my MD thesis: Title “The contribution of VLBW infants towards overall IMR in Kenya.
22. Aug 2007; The 4<sup>th</sup> Canadian conference for international health in the city of Ottawa, Canada. Invited guest speaker; Title, “Pneumococcal diseases in Sub-Saharan Africa-the urgent need for a vaccination program”.
23. Sept 2007; The annual conference of The Paediatric Association of Tanzania. Invited speaker; Title, “the value of vaccines in human society”
24. April 2008; The 8<sup>th</sup> international congress of tropical Paediatrics. Manila, Philippine. Invited speaker; Title, “Childhood Pneumococcal Vaccination: The time is now”.
25. May 2008; The 12<sup>th</sup> Union of Paediatric Associations and Societies Conference in Sun City RSA. Invited guest speaker. Title; “The burden of pneumococcal diseases in Sub-Saharan Africa”
26. June 2008; The 6<sup>th</sup> International Symposium on Pneumococci and Pneumococcal Diseases. Reykjavik, Iceland. Invited speaker; Title “Pneumococcal Disease; Towards universal vaccination in Kenya”

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27. June 2008; The XXIV International Congress of the Foetus as a Patient. In Frankfurt, Germany. Invited speaker; Title "Feeding the low birth weight infant in resource restricted environments.
29. Nov 2008; Sudan First International Conference of Perinatal Medicine by the Worldwide Association of Perinatal Medicine. Khartoum. Invited speaker. Papers read; Overview of Perinatal Health in Sub Saharan Africa
30. Nov 2008; Sudan First International Conference of Perinatal Medicine by the Worldwide Association of Perinatal Medicine. Khartoum. Invited speaker. Papers read; Saving the African Low Birth Weight Infants
31. April 2008; The Kenya Paediatric Association annual conference. Invited Speaker, Papers Read, 1. Enteral feeding the low birth weight infant in resource restricted environments, 2. The value of vaccines in developing countries, 3. Appropriate antibiotic prescription; the evidence.
32. April 2009; The Kenya Paediatric Association annual conference. Invited speaker, paper Read, "Drivers of antibiotic resistance"
33. June 2009; European society for paediatric infectious diseases. Brussels, Belgium. Invited observer.
34. Aug 2009; African Rotavirus conference, Nairobi, Kenya. Was the conference organizer and chairman.

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35. Oct 2009; The 13<sup>th</sup> Asia Pacific Paediatric Association Congress, Shanghai, China. Invited Speaker, "Decreasing Pneumococcal Disease Burden: An African Perspective
36. Oct 2009; 9<sup>th</sup> World congress of perinatal medicine; Berlin, Germany. Invited speaker. Title "Feeding the Low Birth Weight Infant in poor countries".
37. Mar 2010; Vaccines Availability for all children in Asia, Kuala Lumpur, Malaysia. Papers read; Efficacy of human Rotavirus vaccine against RVGE, with focus on Asia Pacific"
38. Mar 2010; Vaccines Availability for all children in Asia, Kuala Lumpur, Malaysia. Papers read; Challenges of Reducing Pneumococcal Disease in Developing countries.
39. April 2010; Sub-Saharan Africa Regional Expert Academy Meeting on Pneumococcal Vaccines. Johannesburg: Invited Speaker. Topic; Antibiotic Misuse in SS Africa
40. June 2010; The Paediatric Association of Tanzania Annual Conference, Dar-es-Salaam. Invited Speaker, Papers read, 1. Global value of immunizations, 2. Impact of Pneumococcal and Rotavirus Vaccines in SS Africa.
41. Aug 2010; Congress of the Ethiopian Paediatric Association. Facilitated two plenary talks on Rotavirus vaccination and Control of pneumococcal diseases in SS Africa. Addis Ababa

42. Oct 2010; The 26<sup>h</sup> International Paediatric congress in Johannesburg, South Africa. Roles; member of scientific committee and session chairman. Presented a plenary paper, Long term outcome of VLBW infants in Kenya
43. Oct 2010; The 26<sup>h</sup> International Paediatric congress in Johannesburg, South Africa. Roles; member of scientific committee and session chairman. Presented a key note plenary paper on; Meningococcal vaccines; where are we?
44. Oct 2010; The 26<sup>h</sup> International Paediatric congress in Johannesburg, South Africa. Roles; member of scientific committee and session chairman. Presented a plenary paper on; Aflatoxicosis in Kenya.
45. Oct 2010; The 26<sup>h</sup> International Paediatric congress in Johannesburg, South Africa. Roles; member of scientific committee and session chairman. Presented a plenary paper on; Barriers to implementation of universal Pneumococcal Vaccination.
46. Oct 2010; The 26<sup>h</sup> International Paediatric congress in Johannesburg, South Africa. Roles; member of scientific committee and session chairman. Presented a plenary paper on; Rotavirus vaccination, need for early protection.
47. Oct 2011; The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok. Presented a plenary paper on; Outcomes of Very Low Birth Weight Infants in developing Countries.

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48. Oct 2011; The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok.

Presented a plenary paper on; Dengue Fever in Africa.

49. Oct 2011; The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok.

Presented a plenary paper; Reducing Rotavirus disease through vaccination.

50. Oct 2011; The 9<sup>th</sup> International Congress of Tropical Paediatrics, in Bangkok.

Presented a plenary paper on Defining efficacy of Pneumococcal vaccines in GAVI supported countries.

51. Nov 2011; The 12<sup>th</sup> congress of the World Society for Paediatric Infectious

Diseases, Melbourne, Australia. Presented a review paper on Neonatal Infections.

52. Nov 2011; The 12<sup>th</sup> congress of the World Society for Paediatric Infectious

Diseases, Melbourne, Australia. Presented a review paper on Malaria in African Children.

53. Nov 2011; The 12<sup>th</sup> congress of the World Society for Paediatric Infectious

Diseases, Melbourne, Australia. Presented plenary papers on; Understanding the Efficacy of Pneumococcal vaccines. I also chaired 2 scientific sessions.

54. April 2011; The Kenya Paediatric Association annual conference. I read 3

plenary papers on Child hood immunizations, Infant mortality and Nutrition, Childhood mortality and nutrition.



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55. April 2012; The Kenya Paediatric Association annual conference. I read a paper titled meningitis vaccines for Africa.
56. March 2012. The First Annual International Conference on Child Health. Paediatric Association of Rwanda. I was the key note speaker
57. March 2012. The 8<sup>th</sup> International Society for Pneumococcus and Pneumococcal Diseases Congress in Iguacu City, Brazil. The Kenya Action on Prevention of Pneumonia and Diarrhoea.
58. March 2012. The 8<sup>th</sup> International Society for Pneumococcus and Pneumococcal Diseases Congress in Iguacu City, Brazil. Impact of Pneumococcal Vaccination in Kenya.
59. October 2012. The Sudan Paediatric Association. The Immunization Symposium, Khartoum. Read a key note address titled; Impact of Pneumococcal vaccine introduction in Kenya.
60. April 2013; The Kenya Paediatric Association annual conference. I read a paper titled value of vaccines for reducing childhood mortality.
61. April 2014; The Kenya Paediatric Association annual conference. I read a paper titled under-nutrition as contributor to child mortality.
62. August 2014; The 10<sup>th</sup> International Congress of Tropical Paediatrics, in Nairobi. Presented a plenary paper on Child Deaths In Eastern Africa.

63. Sept 2016; the International Congress of Paediatrics. Vancouver, Canada. I was session chair for a Hot Topics Session

WORKSHOPS/SEMINARS

64. 1989; Breast feeding and infant nutrition seminars to paramedical staff in various parts of Kenya. Topic; Physiology of Lactation.

65. 1990; The Kenya Growth Monitoring Program evaluation workshop hosted by UNICEF Kenya in Nairobi. Rapporteur General.

66. 1991; Reproductive and Perinatal Health Workshop in Mombasa sponsored by The Johns Hopkins University. Topic; Sexually Transmitted Diseases in Newborns.

67. 2002; The 52<sup>nd</sup> Nestle nutrition workshop in Dubai, The United Arab Emirates  
The theme was "Micronutrients in the first months of life".

68. 2004; Children and Environmental Health, Cancun Mexico. Facilitated the Topic "Water, Sanitation and Children.

69. 2004; Children and Environmental Health, Gabarone, Botswana, Topics facilitated; Water, Sanitation and Children, Air pollution and Chemical Poisoning.

70. 2005; Children and Environmental Health, Nairobi, Kenya, as Workshop Chairman. Topic facilitated: Aflatoxicosis in Kenya, 2005

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71. 2006; WHO expert committee on Pneumococcal serotype selection for vaccine Candidates. Geneva, Switzerland.

72. 2006; Neonatal medicine in Eastern Africa; co-hosted by the Kenya Paediatric Association and Nestle Kenya, Mombasa. Topic; Feeding the Low Birth Weight Infant.

73. 2007; Nutrition and allergy in children; co-hosted by the Kenya Paediatric Association and Nestle Kenya, Mombasa. Workshop Chairman.

74. 2008; The 3<sup>rd</sup> Pneumococcal Accelerated Development and Introduction Plans (ADIPs) and Hib Initiative vaccine research strategic meeting, Rome Italy.

75. 2009; Consultative meeting to review the new American Academy of Paediatrics program on newborn resuscitation called “helping babies breath” at WHO headquarters in Geneva

76. 2009; Africa Rotavirus Conference Nairobi, Kenya, Saturday 15 August

77. 2009; Consultative meeting to review the WHO guidelines on neonatal resuscitation at WHO headquarters in Geneva

78. 2009; Global Rotavirus Experts Academy Meeting, Madrid, Spain.

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79. 2009; Pneumococcal Awareness Council of Experts (PACE)'s Parliamentary briefing and meetings in Brussels to discuss the role of the European Union in combating pneumococcal disease. October 2009, Brussels, Belgium. Key note address
80. 2009; World Health Organization/UNICEF/World Bank; Launch of the 2<sup>nd</sup> state of the world's vaccines and immunization. Washington DC
81. 2009; Africa Rotavirus Conference Nairobi. I was the convener and Chairman.
82. 2010; Rotavirus Expert Academy Burden of Rotavirus Disease and the Case for Vaccination in Asia. The Westin Kuala Lumpur, Kuala Lumpur, Malaysia
83. 2010; 1<sup>st</sup> Emerging Markets Paediatric Vaccine Preventable Diseases (EMpVPD) Working Group Meeting, JW Marriott Hotel, Cairo, Egypt. Presented Key note address on the Class Effect of Pneumococcal vaccines.
84. 2010; Vaccine Availability for All Children in Asia for GSK medical educational initiatives. Facilitated a session on. Overcoming the Challenges in Pneumococcal Disease Prevention. The Westin Kuala Lumpur, Kuala Lumpur, Malaysia
85. 2010; The 68<sup>th</sup> Nestlé Nutrition Institute Workshop entitled, "Early Nutrition: Impact on Long and Short Term Growth". Washington DC

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86. 2011; "Protect, Prevent, and Treat": African Regional Workshop on coordinated approaches to pneumonia and diarrhoea prevention & control. Key note address. Nairobi, Kenya,
87. 2011; Paediatric Vaccination: New Era, New Frontiers. As a facilitator. Murooj Rotana, Dubai
88. 2011; GAVI Alliance Prioritization Mechanism Independent Review Committee, Geneva, Switzerland
89. 2011; The first Sabin Vaccine Institute Colloquium on Sustainable Immunization Financing, at the Sheraton Hotel, in Addis Ababa, Ethiopia as a facilitator.
90. 2011; The GAVI/AMC advisory Board Meeting for Pfizer's Prevenar 13. Milan Italy
91. 2011; Vaccines in the emerging markets, Accra Ghana. Focus on pneumococcus.
92. 2012; Introduction of New Vaccines; Experience X-Change meeting. Kenya Paediatric Association/GSK. Nairobi. Presented paper titled 'Pneumococcal disease and vaccines in Eastern Africa
93. 2012; Experience Exchange meeting. Kenya Paediatric Association/GSK. Nairobi. Presented paper titled 'Potential Impact of Rotavirus Vaccines.

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94. 2016; Human Papilloma Virus Vaccine Workshop; Network for Education  
Supporting Immunizations, Kenya Paediatric Association and University of  
Nairobi. Nairobi

XIV. REFEREES

**1. Professor William Macharia (MBCHB, MMED, MSC, Dip Onc)**

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