

CURRICULUM VITAE

Ruth Wanjiru Kareithi-Nduati

(April 2019)

CURRICULUM VITAE

Name: Ruth Wanjiru Kareithi-Nduati

MB.Ch.B.,M.Med(Paediatrics),Cert. Tropical Med., MPH (Epidemiology and International Health).

Home: P.O. Box 40669 Nairobi.

Kenya Tel. 254 2 794331 Nairobi.

Office: Dept. of Paediatrics, University of Nairobi, P.O. Box 19676 Nairobi.

EDUCATION

1991-1994:MPH (Epidemiology and International Health),University of Washington,Seattle, Washington, USA.

1986:Certificate of Tropical Medicine, University of Nairobi, Nairobi, Kenya.

1984-1987:M.Med (Paediatrics), University of Nairobi, Nairobi, Kenya. Dissertation: "The Bacteriology of Septic Arthritis in Children".

1976-1981:MB.Ch.B., University of Nairobi, Nairobi, Kenya.

1974-1975:Kenya Advanced Certificate of Education-3 Principals (Biology-B, Chemistry-B, Physics-E) and a subsidiary in General paper, Kenya High School, Nairobi, Kenya.

1970-1973:Kenya Certificate of Education-Division 1 (11 points), Kenya High School, Nairobi, Kenya.

POSTGRADUATE TRAINING

1994-1998: Advanced In-Country Scholar, International AIDS Research and Training Program, University of Washington, Seattle, Washington, USA.

1984-1987: Senior House Officer, Kenyatta National Hospital, Nairobi, Kenya. Kenya Government Scholarship.

FACULTY POSITIONS

UNIVERSITY OF NAIROBI, NAIROBI, KENYA

2012- to date Professor of Paediatrics and Child Health

2011-to present; Affiliate Adjunct Professor, School of Public Health, University of Washington

2009-Nov 2013: Chairperson, Department of Paediatrics and Child Health, University of Nairobi, Nairobi, Kenya.

2004-present: Associate Professor of Paediatrics,Department of Paediatrics and Child Health, University of Nairobi, Nairobi, Kenya.

2002-present: Faculty in the Clinical Epidemiology Unit and University of Nairobi Institute of Tropical and Infectious Diseases (UNITID), School of Medicine, College of Health Sciences, University of Nairobi, Nairobi, Kenya.

1995-2004:Senior Lecturer, Department of Paediatrics, University of Nairobi, Nairobi, Kenya.

1987-1994:Lecturer, Department of Paediatrics, University of Nairobi, Nairobi, Kenya.

HOSPITAL POSITIONS

KENYATTA NATIONAL HOSPITAL, NAIROBI, KENYA 1987-1989:

Consultant Paediatrician.

1984-1987:Senior house officer, Paediatric postgraduate training.

LOCO DISPENSARY, NAIROBI, KENYA

1983-1984:Medical officer serving industrial workers. *NYERI*

PROVINCIAL GENERAL HOSPITAL, NYERI, KENYA 1982-1983:

Registered Medical Officer.

1981-1982:Medical Internship.

RESPONSIBILITIES**UNIVERSITY OF NAIROBI, NAIROBI, KENYA**

2015 – to date Chairperson- Curriculum Committee, School of medicine University of Nairobi
CURRENT

Teaching: Instructor for post-graduate Paediatric physicians, undergraduate medical students, Paediatric Clinical Officers, and other health personnel, University of Nairobi, Nairobi, Kenya.

Clinical Duties: Consultant Paediatrician, Kenyatta National Hospital, Nairobi, Kenya.

2010-2013 Chairperson, Department of Paediatrics, University of Nairobi, Nairobi, Kenya.

FORMER

Administrative: 2005-2009: Coordinator of the M.Med Paediatrics Program, University of Nairobi, Nairobi, Kenya.

KENYA MEDICAL RESEARCH INSTITUTE

2012-2014 Chairman of the Board of Management for KEMRI

PROFESSIONAL ADVISORY ROLES

2010-2016: Member, International Monitoring Board (IMB) for Polio.

2010-2012: Member, Kenya Medical Research Institute (KEMRI) Board.

2008-present: Member, Kenya Ministry of Health Technical Working Group (TWG) on Paediatric HIV. **2004-**

2007: Member, WHO Strategic and Technical Advisory Committee for HIV/AIDS (STAC). **2002-present:**

Member, Kenya Ministry of Health Technical Working Group (TWG) on Prevention of Mother-to-Child Transmission of HIV (PMTCT).

2000-present: Member of the Secretariat, the Ghent International AIDS Society (IAS) Working Group on HIV in Women and Children (Ghent Group).

SPECIAL AWARDS

2019: Recognized by Kenya Government – Pioneers and transformers – The Journeys of Women Trail Blazers in Kenya. Vol 1. Kenya Yearbook Editorial Board Biographical Series.

2019 : Recognition and an award from Kenya National AIDS and STD Control Program (NASCO) for the work on PMCT and Paediatric HIV

2007: Nominee, Eve Woman of the Year Award, academic category.

2007: Winner, Dignity and Right to Health Award, International Christian Medical and Dentists Association (ICMDA).

2000: Winner, Merit Award for Scientific Research on the HIV/AIDS Vaccine, University of Nairobi.

1992: Fellow Primary Health Care East Africa

PROFESSIONAL MEMBERSHIP

Kenya Medical Association

Kenya Medical Women's Association

Kenya Paediatric Association

Founding director, Network of AIDS Researchers in East and Southern Africa-Kenya(NARESA-Kenya).

African Network for the Care of Children Affected by AIDS (ANECCA)

SHORT COURSES

1. Curriculum development for leadership and management training in medical curriculum – Faculty From Management Sciences for Health MSH. November 2012.

2. Asthma and Allergy course –Faculty from CMC Vellore in association with International Allergy Society and Department of Paediatrics and Child Health January 2012
3. Training of Trainers Workshop on Medical Education. Centre for Innovative Medical Training, St. John's Medical College Bangalore and University of Nairobi's Department of Paediatrics and Child Health, January 2011.
4. Leadership Development. Management Sciences for Health (MSH)/USAID, October 2010-March 2011.
5. Strategic Leadership and Change Management Workshop. Directors of State Corporations, Kenya Institute of Administration, December 2010.
6. Designing and Writing Study Materials. Programme on Integrated Distance Education on AIDS, Kenya Ministry of Health and Belgium Administration Development Co-operation. Now a post-graduate diploma from Department of Medical Microbiology, University of Nairobi, Nairobi, Kenya, 2004.
7. Adult HIV Care. Kenya National AIDS and STI Control Programme (NASCOP), 2004.
8. Designing and Writing Study Materials. Programme on Integrated Distance Education on AIDS, Kenya Ministry of Health and Belgium Administration Development Co-operation. Now a postgraduate diploma from Department of Medical Microbiology, University of Nairobi, Nairobi, Kenya, August 1996-April 1997.
9. Principles of STD and HIV Research. Centre for AIDS and STD (CFAR), University of Washington, Seattle, Washington, USA, 1994.
10. Training on Health Systems Research using a WHO Module. University of Nairobi, Nairobi, Kenya, 1991.
11. Lactation Management. WELLSTAT International, San Diego, California, 1989.
12. Undergraduate elective term at Montreal Children's Hospital, McGill University, Montreal, Canada, 1980.

RESEARCH ACTIVITIES

Ongoing Research Support

1R25TW011212-01

Ruth Nduati, & Dalton Wamalwa (Co-PI)

Project Title: Health-Professional Education Partnership Initiative (HEPI) – Kenya. Main purpose is to train a multidisciplinary workforce to design, conduct and disseminate research that can be readily moved from the field into policy and practice to inform HIV prevention, care and treatment.

Budget Period: 09/19/2018 – 08/31/2019

NIH D43TW010141

Dalton Wamalwa (PI)

Partnership for Health Research: This is a Fogarty funded training grant that aims to build the research capacity of Junior faculty at the University of Nairobi. Ruth Nduati is a co-investigator and heads the Epidemiology training.

NIH 1R34AI129900-01

Kenneth Gimbel-Sherr (PI)

Project title: "Systems analysis and improvement approach to optimize the Pediatric HIV diagnosis and care cascade (SAIA-PEDS)". This study seeks to optimize care of HIV exposed children through the care cascade. Ruth Nduati is the Kenyan Co-Investigator. SUB Award - UWSC9793

NIH R01AL122797

Anne Kurth PI (Yale University)

High yield HIV testing, facilitated linkage to care and prevention for female youth in Kenya (GIRLS Study). DAIDS protocol DAIDS ES#35125. This study seeks to develop strategies for optimal testing and linkage into care. Role: Co-investigator 7% FTE

CDC U01GH002143

Dr Kariuki Njenga PI (Washington State University)

Incidence and outcomes of Zika virus infection among pregnant women and infants in Mombasa Kenya.

Role: Co-investigator (5% FTE)

Completed Research Support

NIH/NIAID 1R21AI124399-01 Sarah Gimbel (PI)

05/2016-04/2018

"Usability and feasibility of a phone-based decision support tool for Option B+"

Feasibility and usability study to adapt and refine an existing provider decision support application for smart phone as part of a larger systems analysis and improvement strategy in Kenya and Mozambique.

Role: Co-PI

PEPFAR-USAID

PATHFINDER International

01/2011-12/2016

AIDS Integrated Assistance Program, APHIA plus Nairobi and Coast -Through the NGO NARESA, Prof Nduati and colleagues are sub- contracted by the lead agency PATHFINDER International to support training and provide mentorship for the clinical components of HIV care including PMCT and ARV treatment in Nairobi and Cost Province. Role: Key Personnel and sub award PI

R01HD075057-01

Kenneth Sherr (PI)

09/2012-07/2015

NIH/NICHD

“Systems Analysis and Improvement to Optimize pMTCT: A Cluster Randomized Trial”

The goal of this study is to rigorously evaluate a systems analysis and improvement approach for PMTCT services across three countries. Role: Key Personnel and sub-award PI

1D71TW009616

Ruth Nduati (PI)

08/2013-01/2015

A HIV planning grant for a physician scientists training program

The purpose of this is to develop a Physician scientists training program that integrates clinical and research training to develop leaders who can drive research development at the University of Nairobi and in particular around the 4 pillars of preventing mother-to-child transmission of HIV.

NIH R24TW008907

James Kiarie (PI)

09/2010 – 08/2015

MEPI: Programmatic-Strengthening Medical Education for Improved Health Outcomes in Kenya

The University of Nairobi (UON) has formed the Partnership for Innovative Medical Education (PRIME) in collaboration with two of its longstanding training partners, the University of Washington (UW) and the University of Maryland Baltimore (UMB). The primary goal was to improve the quality of medical education (Aim 1), extend the reach of medical training outside Nairobi (Aim 2), and increase retention of UON faculty (Aim 3). Role: Key Personnel

NIH R24TW008889

James Kiarie (PI)

09/2010 – 08/2015

MEPI: Linked-Strengthening Maternal, Newborn and Child Health Research Training in Kenya

Strengthening Maternal, Newborn & Child Health Research Training in Kenya is an application linked to the programmatic grant of the Partnership for Innovative Medical Education in Kenya (PRIME Kenya). The overarching aim of this Linked Award was to provide outstanding training in implementation science and applied research, health metrics and evaluation, and program leadership for achieving Kenya's health development goals.

Role: Key Personnel

04262 CDC Program Announcement

Ruth Nduati (PI)

09/2004-09/2011

Implementation of programs for prevention of mother to child transmission of HIV through indigenous NGOs in Kenya. Through the NGO NARESA, Prof Nduati and colleagues supported 11 Districts to integrate PMTCT into the ANC and maternity, and to expand reaching over 400 health facilities in rural Kenya, and per year over 100,000 pregnant women with integrated PMCT services.

02074 CDC Program Announcement

Ruth Nduati (PI)

09/2002-08/2008

Impact of HAART on MTCT and Mother's Health - This study aim was to optimize ARV's for prevention of mother-to-child transmission of HIV in breastfeeding population. This was a WHO coordinated multi-country study that has informed the current policies on PMCT.

Other Studies

PI: Ruth Nduati.

A study on infant and young child feeding practices at t o PMTCT and non-PMTCT sites in Nyeri and Homa Bay Districts in Kenya.

1999-2002 PI: Ruth Nduati.

Evaluation of the feasibility of integrating prevention of mother-to-child transmission of HIV into health services at District hospitals – A collaborative operational research study with Horizons Project of Population Council, UNICEF and Ministry of Health-Kenya.

1992-1998 NIH.

Evaluation of the role of breast milk in the transmission of HIV. PI: Dr. Joan Kreiss. Lead Investigator: Ruth Nduati.

A collaborative study between the University of Nairobi's Departments of Paediatrics, Medical Microbiology, and Obstetrics and gynaecology; University of Washington-Seattle's Department of Epidemiology; and University of Manitoba. This was a 5-year longitudinal. The study followed over 400 HIV infected women for a period of 2 years.

UNICEF. 1996.

A rapid assessment of STD/HIV/AIDS treatment and prevention services for women in 7 Kenyan Districts. Report.

1987-1991

Retrospective study of child abuse at Kenyatta National Hospital. Peer-reviewed article.

A pilot study on mothers and children with HIV. Unpublished.

A survey of orphaned children in Kibera urban slums. Report and peer-reviewed abstract.

Co-author. The Review and Evaluation of National Action to give Effect to the Aim and Principles of the International Code of Marketing of Breast Milk Substitutes. A Kenya country report, Ministry of Health and National Infant Steering Committee.

1984-1987

A 9-month prospective study of septic arthritis in children at Kenyatta National Hospital.

Investigation of an outbreak of E. Coli Diarrhoea in Kenyatta National Hospital, Newborn Unit, 1986. Peer-reviewed abstract.

MENTORING

SELECTION OF SUPERVISED DISSERTATIONS

	Year	Students Name	Title	Supervisor (s)	State of dissertation
1	2019	Dr. Anne-Marie W. Macharia H112/88859/2016 Fellowship in Clinical Infectious Diseases	A descriptive study of adolescents failing treatment after implementation of a Viral Load clinic for management of poorly suppressed HIV-infected adolescents at Kenyatta National Hospital	Prof Ruth Nduati	Analysis in progress
2	2019	Mercy Saliku H58//88900/2016	Adherence to National guidelines in malaria case management among pediatric patients at Kakamega County referral hospital	Prof Ruth Nduati/Dr Owino/Dr Kumar	ERC submission
3	2019	Roy Ndezwa H58/7125/2017 MMED paediatrics and Child Health	The need for donor milk banking at KNH	Prof Wafula/ Prof Ruth Nduati/Dr Murila	ERC submission
4	2019	Brian Nderu H58/7189/2017 MMED paediatrics and Child Health	Knowledge attitude and Practice of Healthcare workers on HIB vaccine in KNH	Prof Nduati/Dr Laving	ERC submission
5	2019	Agatha Kihiu H58/7132/2017 MMED paediatrics and Child Health	Prevalence of Depression among caregivers of HIV infected children below 10 years on follow-up at the comprehensive care clinic at KNH	Prof Ruth Nduati/Dr Mutai/Dr Kumar/Dr Annemarie Macharia	ERC submission
6	2019	Dr Hawa Boi H58/88981/2016 MMED paediatrics and Child Health	Knowledge and counselling practices on complementary feeding of health care workers in Garissa sub county.	Prof Ruth Nduati	Developing the proposal
7	2019	Dr Irene Gichunuku H58/89024/2016 MMED paediatrics and Child Health	Prevalence and maternal correlates of prematurity among mothers delivering within 3 hospitals in Mombasa county	Prof Ruth Nduati/Prof Musoke/Dr Beatrice Mutai	ERC submission
8	2019	Dr Brenda Misore H58/80839/15 MMED paediatrics and Child Health	Prevalence and factors associate with breastmilk substitute use among infants aged 0-3 months admitted at Kenyatta national Hospital.	Prof Nduati/Prof Wamalwa	Dissertation handed in for final marking
9	2018	Dr Emily Mbaire H58 / 74766 / 2014 MMED paediatrics and Child Health	Effectiveness and Acceptability of Audiovisual Aids for Increasing Knowledge of Neonatal Danger Signs among	Prof Ruth Nduati	Completed, manuscript submitted to a journal

			Primiparous Women: A Randomized Controlled Trial		
10	2018	Dr. Molla Adelene Apondi Lollah H58/81124/2014	Uptake of repeat HIV testing following an initial negative result in pregnancy, labor, and post natal period in light of PMTCT in Kisumu county	Prof Dalton Wamalwa/ Prof Wafula/ Prof Nduati	Manuscript submitted
11	2018	Dr Edith Wachera Kagunda	Clinical audit on management of HIV exposed uninfected (HIV-EU) infants aged 0-24 months at the Lea Toto program	Prof Rachel Musoke Prof Ruth Nduati	Completed Dissertation
12	2018	Dr Rachel Kabui Kaguongo H58/81887/2015 MMED Paediatrics and Childhealth	Predictors of successful extubation in paediatric patients admitted to intensive care units in a developing country.	Dr Rashmi Kumar Prof Ruth Nduati Dr Beatrice Mutai / dr Idris N Chikophe	Completed work. Manuscript submitted
13	2018	Dr. Imran Bhaudin Khares H58/80605/2015	Quality of care provided to adolescents aged 10 up to 19 years in the outpatient clinics in Kenyatta National Hospital, Nairobi -kenya	Prof Ruth Nduati	Completed work Manuscript accepted for publication East African Medical Journal (in press)
14	2018	Dr Munira Alkazim	Efficacy of mobile phone use on patient retention in care in post-natal clinic in Nakuru	Prof Ruth Nduati Prof Dalton Wamalwa	Manuscript submitted
15	2018	Dr Soma Grace Juan	The acceptability of routinely offered HIV testing among children at paediatric out-patients clinics	Prof Ruth Nduati	Completed Abstracted accepted –IAS 2019
16	2017	Dr. Douglas Kinuthia Gaito	Psychosocial characteristics and disclosure status of HIV infected adolescents attending clinic at Kenyatta National Hospital	Prof Ruth Nduati Prof Daltom Wamalwa Dr. Manasi Kumar	2 papers published in peer reviewed journals Abstract accepted for 2 international meetings
17	2017	Dr.Mwanamkasi Njira Tsutsu	Missed opportunity survey for HIV testing and diagnosis of children, accessing health care services at Mbagathi District hospital.	Prof. Jowi Christine A Yuko, Prof Ruth Nduati	Manuscript submitted
18	2016	Dr Dahaba Ali Maalim	Prevalence of Bilirubin induced neurological dysfunction among jaundiced neonates admitted to Kenyatta National Hospital.	Prof D.WAMALWA ¹ , Prof R.NDUATI ¹ , Prof R.MUSOKE ¹	Manuscript submitted

19	2015	Dr. Ketha Rubuz Francisco	Acceptability of routinely offered HIV testing among children admitted at Lubango provincial paediatric Hospital, Angola	Dr. Lucy N. Mungai, Dr. Rashi Kumar, Prof. Dalton Wamalwa Prof. Ruth Nduati	Not yet published
20	2014	Dr. Lilian Maureen Nyatichi Kebaya	Efficacy of phone use on adherence to nevirapine prophylaxis and retention in care	Prof. Ruth Nduati, Prof. Dalton Wamalwa, Dr. Nyambura Kariuki Dr. Admani Bashir	Peer reviewed abstract at an international meeting Abstract included in Conchrane review on m-health
21	2012	Dr Angeline Ithodeka	Prevalence and risk factors associated with low birth weight at Naivasha district hospital	Prof Nduati/Prof Wasunna/ Dr Wanaina-Mungai	Thesis in UON repository
22	2012	Dr Daniel Gichogo	Prevalence of asphyxia, readiness for neonatal resuscitation and factors related to asphyxia in Naivasha district hospital	Prof Bwibo/Dr Murila/Prof Ruth Nduati	Thesis in UON repository
23	2012	Elizabeth W Kiragu	Assessment of maternal knowledge and practice of porridge preparation and storage in the home	Prof Obimbo/ Prof Musoke /Prof Nduati	Thesis in UON repository
24	2012	Dr Marion Muhia	Glycaemic control and its association with diabetic retinopathy in children and adolescents with type 1 diabetes mellitus at Kenyatta National Hospital	Dr Wainaina/Prof Nduati	Thesis in UON repository
25	2012	DR Ann Gathoni	Mothers know	Prof Were/ Prof Nduati	2 publications in peer reviewed journal
26	2012	Dr. Diana Marangu	Prevalence of pulmonary hypertension in children with adenoid and/or tonsillar hypertrophy at Kenyatta National Hospital	Prof. Ruth Nduati Dr. Christine YukoJowi Dr. Joyce Aswani	1 paper Published
27	2012	Dr. Wanjiru Njoroge	Knowledge and attitudes on the usage of pulse oximeter in managing sick children.	Prof. Ruth Nduati Prof. Fred Were	Thesis in UON repository

28	2012	Dr. Z. Kimunya	Prevalence of undescended testis in children visiting the paediatric filter clinic at Kenyatta National Hospital between the ages of 9 months to 12 years.	Dr. Wainaina Prof. Ruth Nduati	Completed abstract presented in a conference
29	2012	Dr. Samuel Rutare	Prevalence of methicillin resistant <i>Staphylococcal aureus</i> (MRSA) among paediatric patients admitted in ICU and NICU at Kenyatta National Hospital Nairobi, Kenya.	Prof. Ruth Nduati Dr. Sam Kariuki, (KEMRI)	Completed –research support from KNH abstract presented in KIDC meet UoN repository
30		Dr Edith Ogalo	The nutritional status of sick children seeking care at Kenyatta National Hospital using the new who standards.	Prof Ruth Nduati/Prof Francis Onyango	UON Repository
31	2011	Dr. Ruth Kihara	Efficacy of phone based counselling in supporting primiparous women to exclusively breastfeed M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Rachel Musoke Prof. Ruth Nduati Dr. Dalton Wamalwa Christine Mwangi	Comments back to revise submitted manuscript
32	2011	Dr. A. Maalim	Outcome of term newborns admitted with perinatal asphyxia in Kenyatta National Hospital NBU. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Prof. A. Wasunna	Manuscript under preparation
33	2011	Dr. Amolo Judith	Seizure control in children on follow-up at Kenyatta National Hospital paediatric neurology clinic. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. Donald Oyatsi	Manuscript in preparation.
34	2011	Dr. Oula Sam J. Otieno	Prevalence and patterns of herbal medicine use among children aged 0-12 years admitted to Kisii level-5 hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. Dalton Wamalwa	Manuscript in preparation.

35	2010	Dr. Virginia Maina	The prevalence of wheeze in children with clinical presentation of severe/very severe pneumonia and response to bronchodilator therapy at Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. C. Jowi Dr. L. Gachare	Not published.
36	2010	Dr. Maxwell Omondi	An assessment of institutional factors affecting ARV prophylaxis amongst HIV positive pregnant women in Kakamega District. MPH (U of Nairobi)	Dr. Dismus Ongore Prof. Ruth Nduati	Published
37	2010	Dr. Othnoh Dak	Nutritional status of HIV infected children on HAART at the Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. A. Laving Prof. D. Ngacha	UON Repository
28	2010	Dr. Bernard Ochieng Gwer	Missed opportunities for immunisation in Nairobi Province. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. R. Musoke Prof. Ruth Nduati	UON Repository
39	2010	Dr. Muithya Ngundo	Prevalence of exercise-induced bronchospasm in high school students in Mbooni. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. F. Murila Dr. L. Gachare	UON repository
40	2009	Dr. Martin Aluvala	Prevalence of anaemia, iron deficiency and iron deficiency anaemia in nine month old infants attending well child clinic in Nairobi.	Prof. Ruth Nduati Dr. Nyambura Kariuki	UON repository

41	2009	Dr. Elizabeth Gathoni Kibaru	The impact of highly active antiretroviral therapy on haematological indices among HIV-1 infected children at Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. Nyambura Kariuki Dr. D. Wamalwa	Published 2 paper in peer reviewed journals
42	2008	Dr. Bernadette N. Ngeno	Comparison of selfreport and pharmacy pill count as measures of adherence to antiretroviral therapy in children at Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. Dalton Wamalwa	UON Repository
43	2008	Dr. Poly Okello	Prevalence of cutaneous manifestations of Human Immunodeficiency Virus infection in children at Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. T.M. Munyao, MB.Ch.B., M.Med Dr. D. Wamalwa	Referenced in 2011 ANNECA book on paediatric HIV.
44	2007	Dr. Shiroya Wandambwa	Risk factors for cardiac dysfunction in children on treatment for cancer at Kenyatta National Hospital.	Dr. C. Jowi Prof. Ruth Nduati Dr. J. Githanga	Published –East Afr Med J. 2009 Dec;86(12 Suppl):S52-7.
45	2006	Dr. Elizabeth Onyango	Men's perceptions regarding antiretroviral therapy in preventing perinatal HIV infection. MPH (U of Nairobi)	Prof. V Kimani Mr. L. Nabola Prof. Ruth Nduati	UON Repository

46	2006	Dr. Julie Murugi	An exploratory study on infant feeding counselling in programmes to prevent mother-to-child transmission of HIV in Nairobi infection. MPH (U of Nairobi)	Ms. Faith Thuita Dr. Alan Ferguson Prof. Ruth Nduati	UON Repository
47	2006	Dr. David Galgallo	Prevalence of renal disease in HIV-1 infected children at Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. E. Obimbo Dr. G. Irimu Dr. D. Wamalwa	Referenced in 2011 ANNECA book on paediatric HIV.
48	2005	Dr. Janet Oyieko	Acceptability of routinely offered HIV testing in the paediatric wards of Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Prof. Ruth Nduati Dr. Irene Inwani	Manuscript prepared but not submitted.
49	2005	A.K. Waruru	Exploring audio computer-assisted self-interviewing (ACASI) for information gathering on infant feeding in the context of HIV. MSc (U of Bergen, Norway)	Prof. T. Tylleskar of the Center for International Health, University of Bergen, Bergen, Norway Prof. Ruth Nduati	Published - BMC Med Informatics Mak. 2005 Aug 2;5:24.
50	2004	Dr. Maigua	Missed diagnosis of malnutrition among children admitted with pneumonia to Kenyatta National Hospital. M.Med Paediatrics and Child Health (U of Nairobi)	Dr. Elizabeth Obimbo Prof. Ruth Nduati	UON Repository

51	2002	Dr. Irene Inwani	Prevalence of HIV seropositivity in neonates of nonbooked women delivering at the Kenyatta National Hospital. M.Med (U of Nairobi)	Prof. Ruth Nduati Prof. Rachel Musoke	Published - J Infect Dev Ctries. 2007 Dec 1;1(3):308-14.
52	2002	Mrs. Wambui Gatigua	Assessment of the potential of confrey (<i>symphytum periginum</i>) as source of vitamin A for malnourished children (8-16 years). A case study of Kirigiti Girls approved school in Kiambu, Kenya. MSc Applied Human Nutrition (U of Nairobi)	Prof. Nelson N Muroki Dr. Abiud Omwega Prof. Ruth Nduati	University of Nairobi repository

SUPERVISION OF PhD

Mary Nigadi 2017- Assessment of a mobile phone application in enhancing adherence and viral suppression among HIV positive adolescents and young adults at the Kenyatta national hospital & Mbagathi district hospital comprehensive care clinics. Dr Mary Nigadi is a tutorial Fellow Academic Department of Medicine University of Nairobi. Proposal development.

Ochola S.A (2006): Evaluation of two counselling strategies to improve exclusive breastfeeding rates among HIV-negative mothers in Kibera slum of Nairobi, Kenya: A randomized clinical trial. Manuscript published. PhD Nutrition Stellenbosch University, Republic of South Africa. Dr. Ochola is on the faculty of Kenyatta University. Manuscript submitted and comments received of the first paper.

PhD DISSERTATION ADVICE

UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON, USA.

John Lynch, Global Health-Pathobiology Tract PhD. Lynch JB, Nduati R, Blish CA, Richardson BA, Mabuka JM, Jalalian-Lechak Z, John-Stewart G, Overbaugh J. The breadth and potency of passively acquired human immunodeficiency virus type 1-specific neutralizing antibodies do not correlate with risk of infant infection. J Virol. 2011 Jun;85(11):5252-61. Epub 2011 Mar 16. PMID: PMC3094986.

Jennifer Mabuka, Global Health-Pathobiology Tract PhD. Mabuka J, Nduati R, Davis K, Overbaugh J. Breastmilk Human Immunodeficiency Virus-1 specific IgG binding titres but not neutralizing activity is associated with reduce infant infection.

Christine McGrath, Epidemiology PhD. McGrath CJ, Nduati R, Richardson BA, Kristal A, D MboriNgacha D, Farquhar C, John-Stewart GC. Prevalence and correlates of stunting in HIV-1 exposed uninfected infants. J Nutr. Epub 2012 Feb 29.

Stephanie Rainwater, Global Health-Pathobiology Tract PhD. Rainwater SM, Wu X, Nduati R, Nedellec R, Mosier D, John-Stewart G, Mbori-Ngacha D, Overbaugh J. Cloning and characterization of functional subtype A HIV-1 envelope variants transmitted through breastfeeding. *Curr HIV Res.* 2007 Mar;5(2):189-97. PubMed PMID: 17346133.

XeulinWu, Global Health-Pathobiology Tract PhD. Wu X, Parast AB, Richardson BA, Nduati R, JohnStewart G, Mbori-Ngacha D, Rainwater SM, Overbaugh J. Neutralization es ape variants of human immunodeficiency virus type 1 are transmitted from mother to infant. *J Virol.* 2006 Jan;80(2):835-44. PMCID: PMC1346878.

PUBLICATIONS

PEER REVIEWED PUBLICATIONS

1. Wagner AD, Crocker J, Liu S, Cherutich P, Gimbel S, Fernandes Q, Mugambi M, Ásbjörnsdóttir K, Masyuko S, Wagenaar BH, Nduati R, Sherr K. Making Smarter Decisions Faster: Systems Engineering to Improve the Global Public Health Response to HIV. *Curr HIV/AIDS Rep.* 2019 Jun 13. doi: 10.1007/s11904-019-00449-2. [Epub ahead of print] Review. PubMed PMID: 31197648.
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DISTANCE EDUCATION MODULES

1. Mother-to-child prevention of HIV. Centre of Open and Distance Learning (CODL), University of Nairobi, Nairobi, Kenya.
2. Paediatric AIDS. Centre of Open and Distance Learning (CODL), University of Nairobi, Nairobi, Kenya.

CONSULTANCIES

1. Nduati R – Review of PMCT training materials for the national AIDS and Control Program.
2. **Nduati R**. Literature Review on the Health Status of the Female Child in Kenya.
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6. **Nduati R**. International Development Research Centre (IDRC)- 4 country study of HIV/AIDS communication to adolescents in East and Southern Africa. Commissioned and funded by IDRC Regional Office; East and Southern Africa. Published as a book.
7. Temporary consultant to WHO/UNAIDS/UNICEF initiative to develop policy guidelines and health care guidelines for the prevention of breastmilk transmission of HIV.
8. **Nduati, R**. Joint Review Mission of the PMTCT Program in Kenya and Assessment of Readiness for Implementation of the 2010 Guidelines. Background paper commissioned jointly by NASCOP Kenya and UN IATT (UNICEF, WHO, UNAIDS). A synthesis of the reports by Dr. Irene Inwani, Dr. Onesmus Gachuno, Dr. Agnes Langat, Mr. Thomas Maina, and Dr. Betty Chirchir.
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28. Mwai C, Rutenberg N, Kalibala S, **Nduati R**, Mbori-Ngacha D, Nganda B, Oyieke J, Muthami L. Provider time for women seeking MCH care in the Kenyan prevention of mother-to-child transmission (PMTCT) of HIV project: Baseline findings. 3rd Global Strategies Conference on the Prevention of MTCT of HIV. Kampala, Uganda, September 2001.
29. **Nduati R**, Mbori-Ngacha D, Kalibala S, Mwai C, Rutenberg N. Breastfeeding practice among women accessing healthcare at PMTCT sites. 3rd Global Strategies Conference on the Prevention of MTCT of HIV. Kampala, Uganda, September 2001.
30. Mbori-Ngacha D, **Nduati R**, Kalibala S, Mwai C, Rutenberg N. Utilization of services for the prevention of mother-to-child transmission (MTCT) of HIV in 2 sites in Kenya. 3rd Global Strategies Conference on the Prevention of MTCT of HIV. Kampala, Uganda, September 2001.
31. Otieno M, Kalibala S, **Nduati R**, Mbori-Ngacha D, Rutenberg N, Mwai C, Oyieke J, Mboyi D, Ogana S, Owade F, Irungu E, Gichuru M, Nguthi S, Mwangi R, Mwangi E. Experiences with counselling HIV positive mothers about infant feeding in the Kenya prevention of mother-to-child transmission (PMTCT) of HIV project. 2nd Counselling Conference. Nairobi, Kenya, September 2001.
32. Gichuru M, Kalibala S, **Nduati R**, Mbori-Ngacha D, Rutenberg N, Mwai C, Oyieke J, Mboyi D, Ogana S, Owade F, Irungu E, Otieno M, Nguthi S, Mwangi R, Mwangi E. Attempts to involve male partners of

- mothers receiving counselling in the Kenya prevention of mother-to-child transmission (PMTCT) of HIV project. 2nd Counselling Conference. Nairobi, Kenya, September 2001.
33. **Nduati RW**, John GC, Mbori-Ngacha D, Mwatha T, Reilly M, Kreiss J. Nipple disease among HIV-1 lactating women. 12th World AIDS Conference. Geneva, Switzerland, June 1998.
 34. Mbori-Ngacha D, **Nduati R**, John GC, Mwatha T, Bwayo J, Kreiss J. Determinates of contraceptive use and fertility decision-making among HIV-1 infected women. 12th World AIDS Conference. Geneva, Switzerland, June 1998.
 35. Mwatha T, Reilly M, **Nduati R**, Mbori-Ngacha D, Bwayo J, Kreiss J, John GC. Serodiscordance HIV-1 among pregnant women in Nairobi, Kenya. 12th World AIDS Conference. Geneva, Switzerland, June 1998.
 36. John GC, Neilson J, Lewis P, Overbaugh J, **Nduati R**, Mbori-Ngacha DA, Kreiss J. HIV-1 subtype and shedding of cervicovaginal HIV-1 DNA during pregnancy. 12th World AIDS Conference. Geneva, Switzerland, June 1998.
 37. John GC, Lewis P, Neilson J, **Nduati R**, Mbori-Ngacha D, De Vange D, Reilly M, Overbaugh J, Kreiss JK. Xth International Conference on AIDS and STDs in Africa. Abidjan, Cote d'Ivoire, December 1997.
 38. **Nduati RWK**, John GC, Mbori-Ngacha D, Mwatha AK, Ndinya-Acholla J, Kreiss J. Breast Disease in Lactating HIV-1 Infected Women. Xth International Conference on AIDS and STDs in Africa. Abidjan, Cote d'Ivoire, December 1997.
 39. Mwatha AI, Reilly M, **Nduati R**, Ngacha D, Bwayo J, Kreiss JK, John GC. Breastmilk alternatives to prevent HIV-1 infection: A cost effectiveness analysis. Xth International Conference on AIDS and STDs in Africa. Abidjan, Cote d'Ivoire, December 1997.
 40. Mbori-Ngacha D, **Nduati RW**, John GC, Mwatha AK, Bwayo J, Kreiss KJ. Fertility patterns and contraceptive use among HIV-1 seropositive women in Nairobi, Kenya. Xth International Conference on AIDS and STDs in Africa. Abidjan, Cote d'Ivoire, December 1997.
 41. **Nduati R**. HIV in Women and Children. 2nd Pan African Federation for Mother and Child Health Conference. Mildrand, South Africa, September 1996.
 42. Kiarie J, **Nduati R**, John G, Musia J, Bwayo J, Rogo K, Kamau K, Kreiss J. Acceptability of antenatal HIV-1 screening. XIth International Conference on AIDS. Vancouver, Canada, July 1996.
 43. John G, **Nduati R**, Mbori-Ngacha D, Overbaugh J, Welch M, Richardson B, Ndinya-Acholla J, Bwayo J, Kreiss J. Cervicovaginal HIV-1 DNA in pregnancy. XIth International Conference on AIDS. Vancouver, Canada, July 1996.
 44. **Nduati R**. Issues in Breastmilk and Bottlefeeding. XIth International Conference on AIDS. Vancouver, Canada, July 1996.
 45. **Nduati R**, Makokha J. Impact of HIV/AIDS on Women and Girls. Satellite Meeting, Women's Forum. Kampala, Uganda, December 1995.
 46. **Nduati R**. HIV-1 infected cells in breastmilk: association with immunosuppression and vitamin A deficiency. IXth International Conference on AIDS and STDs in Africa, Kampala, Uganda, December 1995.
 47. **Nduati R**. The Health Status of the Female Child in Kenya. World Vision Workshop: Training on the Female Child. September 1993.
 48. **Nduati R**. The Health Status of the Female Child: Synthesis of the Key Issues. The Girl Child National Conference. Nyeri, Kenya, July 1993.
 49. **Nduati R**, Muita JW, Muthami, Olenja J, Manguyu F. Survey of orphaned children in Kibera Urban Slum. International AIDS Conference. Berlin, Germany, June 1993.
 50. **Nduati R**, Muita JW, Muthami, Olenja J, Manguyu F. Survey of orphaned children in Kibera Urban Slum. 1st Kenya HIV/AIDS Conference. Nairobi, Kenya, April 1993.
 51. **Nduati R**, Kreiss J, Onyango FE, et al. HIV and breast milk transmission; A consideration of ethical issues. 1st Kenya HIV/AIDS Conference. Nairobi, Kenya, April 1993.
 52. **Nduati R**, Muita JW. Child Labour- Labour Project Design, Monitoring and Evaluation. Child Labour and Health Conference. Nairobi, Kenya, February 1993.
 53. Haugh J, Jacobs E, **Nduati R**. Risk factors and outcomes of first trimester bleeding. Washington State Vital Data Users Conference. Olympia, Washington, USA, October 1992.

54. **Nduati R.** Use of blood in Paediatrics. Workshop for the development of blood transfusion guidelines. Nairobi, Kenya, September 1992.
55. **Nduati R,** Manguyu F. AIDS in children and their families. 1st International Conference of Social Science and Medicine Africa Network (SOMA-NET). Nairobi Kenya, August 1992.
56. **Nduati R,** Cossa H. Is poverty a cause of depressive illness? Poverty and health workshop. Seattle, Washington, USA, March 1992.
57. Peripheral neuropathy from chronic lead exposure. 9th Annual Scientific Conference of the Kenya Paediatric Association. Nairobi, Kenya, May 1991.
58. **Nduati R.** The role of the laboratory in the clinical management of an AIDS patient. Workshop on Laboratory Management and the Implementation of the National AIDS Control Program. Embu, Kenya, February 1991.
59. Onyango FE, **Nduati R,** Wassuna A, Saoko P. Paediatric AIDS -An overview. 1st Mask Conference. Nairobi, Kenya, September 1990.
60. **Nduati R.** Care of neonates/babies of mothers with HIV infection. Reproductive Health/Perinatal Medicine Seminar. Mombasa, Kenya, April 1990.
61. **Nduati R.** Neonatal infections. Reproductive Health/Perinatal Medicine Seminar. Mombasa, Kenya, April 1990.
62. Brady JP, Kinuthia DM, **Nduati R,** Thagana NG, Kirumbi LN, Gatheru ZW, Wassuna A, Koech D, Tukei P, Agata NN, Meme JS. AIDS: Can perinatal transmission be prevented? Attitudes and beliefs towards future pregnancies in seropositive and sero-negative mothers. 5th UNAPSA/ISOTP Conference. Nairobi, Kenya, March 1990.
63. **Nduati RK,** Muita JW. Battered child syndrome. Annual Scientific Conference of the Kenya Medical Women's Association. Nairobi, Kenya, March 1989.
64. Muita JW, **Nduati RK.** Sexual Abuse of Children. Annual Scientific Conference of the Kenya Medical Women's Association. Nairobi, Kenya, March 1989.
65. **Nduati RK.** Prevention of Road Accidents. Annual Scientific Conference of the Kenya Medical Women's Association. Nairobi, Kenya, March 1988.
66. **Nduati RK,** Wamola IA, Wafula E. Clinical features of Septic Arthritis. Annual Scientific Conference of the Kenya Paediatric Association. Nairobi, Kenya, March 1987.
67. **Nduati RK,** Patel A. Escherichia Coli diarrhoea in the Kenyatta National Hospital newborn unit. Annual Scientific Conference of the Kenya Paediatric Association. Nairobi, Kenya, March 1986.
68. **Nduati RK,** Muimi ALK. Can you roll your tongue. Kenya National Science Congress. Nairobi, Kenya, March 1975.

PLENARY PRESENTATIONS

1. PMTCT: range of country experiences; children and HIV. XVIII International AIDS Conference. Vienna, Austria, July 2010.
2. Children and AIDS. 15th International Conference on AIDS and STDs in Africa (ICASA). Dakar, Senegal, December 2008.
3. Implications for Prevention, Care and Treatment. XVII IAS. Mexico City, Mexico, August 2008.
4. The Vicious Cycle: From research to publication. XVII IAS. Mexico City, Mexico, August 2008.
5. Breast feeding and MTCT of HIV – more benefit than hazard in low and middle income countries? 4th IAS Conference. Sydney, Australia, July 2007.
6. Challenges of prevention of HIV transmission through breastfeeding in the African setting. 14th International Conference on AIDS and STDs in Africa (ICASA). Abuja, Nigeria, December 2005.
7. HIV and breastfeeding controversies. British HIV Association. Cardiff, UK, April 2004.
8. Paediatric HIV. 13th International Conference on AIDS and STDs in Africa (ICASA). Nairobi, Kenya, September 2003.

9. Epidemiology and perinatal HIV in rich and poor countries with special reference to the role of breastfeeding in Mother-To-Child Transmission. Breastfeeding choices for the HIV eropositive mothers' workshop. Durban, South Africa, May 1996.
10. Review of international studies on the effects of breastfeeding on Mother to Child Transmission of HIV. Breastfeeding choices for HIV seropositive mothers' workshop. Durban, South Africa, May 1996.

CONFERENCE ORGANIZATION

1. Workshop on Asthma and Allergy. With Christian Medical College Vellore. University of Nairobi, Nairobi, Kenya, January 2012.
2. Workshop on Medical Education. With St John's Medical College Bangalore. University of Nairobi, Nairobi, Kenya, January 2011.
3. Women and AIDS. NARESA Workshop. Nairobi, Kenya, May 1996.
4. Member of the Scientific and Editorial Committee of the 1st MWIA Africa and Near East Conference. Nairobi, Kenya, November 1993.
5. Convenor of Workshop on "Women, Children and AIDS." University of Nairobi, Nairobi, Kenya, November 1990.
6. Treasurer and member of the Scientific Committee of the 5th UNAPSA/ISOTP Conference. Nairobi, Kenya, March 1990.
7. Paediatric AIDS and Mother-to-Child Transmission of HIV. NARESA Workshop. Nairobi, Kenya.

CONFERENCE ATTENDANCE

INTERNATIONAL MEETINGS

1. 19th CROI. Seattle, Washington, USA, March 2012.
2. XVIII International AIDS Conference. Vienna, Austria, July 2010.
3. 5th IAS Conference on HIV Pathogenesis, Treatment and revention. Cape Town, South Africa, July 2009.
4. 15th International Conference on AIDS and STDs in Africa. Dakar, Senega ember 2008.
5. XVII IAS. Mexico City, Mexico, August 2008.
6. 4th IAS Conference on HIV Pathogenesis, Treatment and revention. Sydney, Australia, July 2007.
7. 14th International Conference on AIDS and STDs in Africa. Abuja, Nigeria, December 2005.
8. 15th International AIDS Conference. Bangkok, Thailand, Ju 04.
9. 13th International Conference on AIDS and STDs in Afri . Nairobi, Kenya, September 2003.
10. 14th International AIDS Conference. Barcelona, Spain, June 2002.
11. 3rd Global Strategies Conference on the Prevention of MTCT of HIV. Kampala, Uganda, September 2001.
12. 13th International AIDS Conference. Durban, South Africa, June 2000.
13. 12th International AIDS Conference. Geneva, Switzerland, June 1998.
14. Xth International Conference on AIDS and STDs in Africa. Abidjan, Cote d'Ivoire, December 1997.
15. Global Strategies for the prevention of perinatal transmission of HIV. Washington DC, USA, September 1997.
16. 2nd Pan African Federation for Mother and Child Health Conference. Mildrand, South Africa, September 1996.
17. 11th International AIDS Conference. Vancouver, Canada, July 1996.
18. 9th International Conference on AIDS and STDs in Africa. Kampala, Uganda, December 1995.
19. 10th International AIDS Conference. Yokohama, Japan, July 1994.
20. 1st MWIA Regional Conference Africa and Near East- Health of Women and Safe Motherhood. Nairobi, Kenya, November 1993.
21. 9th International AIDS Conference. Berlin, Germany, June 1993.
22. 1st International Conference of Social Science and Med ne Africa Network. Nairobi, Kenya, August 1992.
23. 8th International AIDS Conference, Amsterdam. The Netherlands, July 1992.
24. Physicians Against AIDS Media Conference. 1992.
25. 5th UNAPSA/ISOTP Conference. Nairobi, Kenya, March 1990.

26. XIX International Paediatric Conference. Paris, France, July 1989.

27. 4th Africlen meeting, Addis Ababa, Ethiopia.

LOCAL MEETINGS

1. Workshop on Asthma and Allergy. University of Nairobi, Nairobi, Kenya, January 2012.
2. Workshop on Medical Education. University of Nairobi, Nairobi, Kenya, January 2011.
3. Women and AIDS. NARESA Workshop. Nairobi, Kenya, May 1996.
4. 1st MWIA Africa and Near East Conference. Nairobi, Kenya, November 1993.
5. The Girl Child National Conference. Nyeri, Kenya, July 1993.
6. Clinicians Workshop for the Development of Blood Transfusion Guidelines. Nairobi, Kenya, September 1992.
7. Workshop on "Women, Children and AIDS." University of Nairobi, Nairobi, Kenya, November 1990.
8. Reproductive Health and Perinatal Medicine. Maternal Mortality and Perinatal Mortality. Mombasa, Kenya, April 1990.
9. 5th UNAPSA/ISOTP Conference. Nairobi, Kenya, March 1990.
10. Reproductive Health and Perinatal Medicine. Seminar on Adolescent Perinatal Medicine. Mombasa, Kenya, April 1989.
11. Paediatric AIDS and Mother-to-Child Transmission of HIV. NARESA Workshop. Nairobi, Kenya.

SOCIAL RESPONSIBILITIES

1. Board member, Kenya Medical Research Institute (KEMRI). 2009-2012.
2. Member of the Board of Governors of the Kenya High School (A National Girls School). 2006-present.
3. Secretary, Network of AIDS Researchers in East and Southern Africa (NARESA). 1997-present.
4. Member, Parents Teachers Association for the Makini Schools (Riara and Langat). 1993-1998.
5. Member, National Infant Steering Committee in Kenya. 1989-present.
6. Member, University of Nairobi Task Force on National Capacity Building for Child Survival (NCB/CSD)-a joint UNICEF/Kenya Government/University of Nairobi project. 1989-1993.
7. Past Secretary, Kenya Paediatric Association.
8. Past Treasurer, Kenya Medical Women's Association.
9. Member, joint Women's NGO committee working on recommendations on the prevention of violence against women to the Presidential Committee on Violence and Lack of Discipline in the Kenyan Schools.