

# CURRICULUM VITAE



**RACHEL NANDAWULA MUSOKE**

## PERSONAL DETAILS

Maiden name: Masembe

Nationality: Ugandan

Date of birth: 2<sup>nd</sup> February 1944

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## EDUCATION AND TRAINING

PERIOD	INSTITUTION & LOCATION	LEVEL ATTAINED
1951	Bamusuta Primary School, Uganda	
1952 - 1955	Ndejje High School, Uganda	Primary Leaving Certificate
1956 – 1961	Gayaza High School, Uganda	School Certificate (ordinary level)
1962 – 1963	King’s College, Budo, Uganda	Higher School Certificate
1964 – 1969	University of East Africa, Makerere college, Uganda	M.B, Ch. B
1971 – 1974	Makerere University, Uganda	MMed (Paediatrics)
1977	Jessop Hospital for women & Children’s Hospital, Sheffield, United Kingdom	Neonatology subspecialisation

## SHORT COURSES

DATES	LOCATION	NAME OF COURSE
Aug-Sept 1985	Mombasa, Kenya	Epidemiologic Investigation of reproductive health problems
May - June 1996	San Diego, USA.	Wellstart International - Lactation management course
Sept. 2000	Penang, Malaysia	International Code document center: Annual training course on Implementing The International Code of marketing breast milk substitutes.
November 2000	Arusha, Tanzania	World Health Organisation Course on Integrated Management of Childhood illness
May 2004	Nairobi, Kenya	University of Washington, Seattle: Human Subjects Protection Training For Principal Investigators and Key Personnel
September 2005	Nairobi, Kenya	Ministry of Health- NASCOP & University of Nairobi: Comprehensive Paediatric HIV care course
June 2007	Nairobi, Kenya	Emergency Triage Assessment and Treatment plus Admission Care for Children. Supported by the Royal

		College of Paediatrics and Child Health, UK
April 2008	Aga Khan University Hospital, Nairobi	European Paediatric Life Support (EPLS) Provider course run by Resuscitation Council UK
January 2009	Aga Khan University Hospital, Nairobi.	Generic Instructor EPLS course run by Resuscitation Council UK
January 2011	University of Nairobi, College of Health Sciences	Training of trainers workshop on medical education conducted by St. John's Medical College department of medical education
January 2012	University of Nairobi	Instructor course in neonatal resuscitation run by Latter-Day Saint Charities in conjunction with Ministry of Health & Kenya Paediatric Association
January 2015	University of Nairobi in conjunction with Kenya Paediatric Association & International Asthma Services	Allergy & asthma course

## **APPOINTMENTS AND WORK EXPERIENCES**

### **HOSPITALS**

<b>PERIOD</b>	<b>INSTITUTION &amp; LOCATION</b>	<b>GRADE</b>
1969 - 1970	Mulago Hospital, Uganda	Internship in Medicine and Surgery
1970 - 1971	Mulago Hospital, Uganda	Medical Officer, Paediatrics
1971 - 1974	Mulago Hospital, Uganda	Senior House Officer (Postgraduate training Paediatrics)
1974 - 1976	Mulago Hospital, Uganda	Senior Registrar Paediatrics
1977	Jessop Hospital for Women and Children's Hospital, Sheffield (U.K).	Senior House Officer (Neonatology training)
Dec 1977 – to date	Kenyatta National Hospital, Nairobi, Kenya	Honorary Paediatric/neonatology Consultant

### **UNIVERSITY OF NAIROBI**

<b>PERIOD</b>	<b>GRADE</b>
Dec 1977 - 1983	Lecturer
August 1983 - March 1992	Senior Lecturer
March 1992 – to date	Associate professor

### **AWARDS.**

**1986:** Recipient of Heinz Fellowship from British Paediatric Association.

**2008:** Elected Fellow of the Academy of Breastfeeding Medicine (FABM)

### **MEMBERSHIP (ASSOCIATIONS/SOCIETIES).**

*Past membership*

1. Association of Physicians of East and Central Africa
2. Women's International Public Health Network
3. Kenya Association of University Women

***Current membership***

1. Kenya Paediatric Association (KPA)
2. Kenya Medical Association (KMA)
3. Academy of Breastfeeding Medicine (ABM) Headquarters: New York, USA
4. World Alliance Breastfeeding Action (WABA): Headquarters: Penang, Malaysia

**INTERNATIONAL COMMITTEE MEMBER**

1. Academy of breastfeeding medicine. Participated in development of ABM Strategic Plan 2011-2015
2. Africa's ABM representative as a Core Partner to WABA

**ADMINISTRATIVE.**

*A. University: College & Department*

*Past responsibilities*

1. Coordinator: Elective Students, Department of Paediatrics 1983-1990
2. Coordinator Paediatric / Medical grand rounds 1989-1993
3. Secretary: Departmental meetings 1982-91.
4. Coordinator: Department Curriculum Development 1996 - 2008.
5. Departmental Representative: Faculty Postgraduate Studies Committee Sept. 1999 - 2009
6. Departmental Representative: Faculty Curriculum Committee: 1997.
7. Department Representative: Faculty of Medicine Committee or Parallel Degree Programs 1998.

***Current responsibilities***

1. Chairperson: Departmental Postgraduate programme 1996 to date
2. Chairperson: University of Nairobi/ Kenyatta National Hospital Lactation Management Training Team, 1992 to date

*B. Kenyatta National Hospital*

*Past responsibilities*

1. Committee Member: Neonatal Nursing Course, Kenyatta National Hospital 1983 - 2010
2. Chairperson: Neonatal nursing curriculum review committee 1996/97

***Current responsibility***

1. Head (Director): Newborn Unit, Kenyatta National Hospital 1980 – to date

*C. Kenya Paediatric Association*

1. Committee Member: Kenya Paediatric Association 1990-1999
2. Scientific Committee: Union of National African Paediatric Societies and Associations (UNAPSA) 5th Congress, Held in Nairobi, March 1990.
3. Chairman: Scientific Committee Kenya Paediatric Association Annual Scientific Meetings held in Nairobi May, 1991, & May, 1994.
4. Presiding Chairman: Kenya Paediatric Association Annual Scientific meeting held in Nairobi May 1994.

## NON-PROFESSIONAL ASSOCIATIONS

1. *Kampala singers: 1965 – 1976 (Was committee member and treasure 1974 -1976)*
2. *Nairobi Music Society 1977 – to date (Committee member 1989-1993).*

## NATIONAL ACTIVITIES

### *Past activities*

1. Member: National Micronutrient Committee 1999 - 2009.
2. Member: Kenyan adaptation of Integrated Management of Childhood Illness (IMCI)
3. Member: Technical Committee, Kenya Bureau of Standards. Kenya standards for infant foods. 1995 - 2010
4. Member: National Training team for prevention of mother to child transmission of HIV 2002 - 2008.
5. Member: Editorial Committee: National Guidelines to quality obstetrics and perinatal care. 2000-2001
6. Participated in development of The Kenyan National technical guidelines for micronutrient deficiency control 2004-2005
7. Participated in Kenyan adaptation of growth curves 0-5yrs 2006-2007
8. Reviewed Manual on community Based Care Guidelines for Mothers and Newborns 2008
9. Participated in Kenyan adaptation of Strategy on Infant and Young Child Feeding 2006/2007
10. Ministry of Health Kenya: Revision of Clinical Guidelines: Paediatrics and Child Health section. 2007 /2008
11. Participated in revision of: Guidelines for the appropriate use of blood and blood products 2009
12. Participated in the workshop organized by the Ministry of Public Health and Sanitation to develop the National Nutrition Action Plan. June 2011

### *Current activity*

1. Member: National Infant and young child Feeding technical Committee, 1990 to date
2. WHO/UNICEF Active participant World breastfeeding week, Kenya 1992 to date

## EDITORIAL WORK

1. Member: Editorial Board: East African Medical Journal 2001 to date
2. Referee for East African Medical Journal 1980 to date
3. Breastfeeding Medicine – Member of the ABM Global Protocol Reviewers

### *Book editor*

4. Member editorial team: Child Health: a manual for medical and health workers in health centres and rural hospitals. 3<sup>rd</sup> edition 2005 Main editors P Stanfield, NO Bwibo Published by AMREF
5. K Mukelabai, NO Bwibo, **RN Musoke**. Primary health care: a manual for medical students and other health workers 3<sup>rd</sup> editions 2010. Published through UNICEF for universities in Eastern & Southern Africa

### *East African Medical journal editorials*

1. **RN Musoke**. Low birth weight. Editorial *East Afr. Medical J.* 63:89, 1986.
2. **RN Musoke**. Perinatal mortality in Kenya: A time to act. *East Afri Med J* 2004
3. **RN Musoke**. Challenges of infant feeding choices among HIV infected mothers in Africa. *East Afr Med J.* 2008; 85: 153- 155

## **EXTERNAL EXAMINER**

1. Makerere University: 1993, 1994, 1995, 2001.
2. University of Dar es Salaam: 2002, 2003, 2004; 2008, 2009, 2010
3. University of Zimbabwe: 2011

## **Service to community:**

Paediatric Consultant in charge – Children of God Relief Institute (COGRI) -Nyumbani Children's Home and Lea Toto Community Programme for HIV infected children 1996 to date

## **OTHER ACTIVITIES.**

1. IBFAN/UNICEF FILM: Breastfeeding the low birth weight infant 1986.
2. Kenya Medical Association / Voice of Kenya - Healthy Nation Series for television and radio.
  - (a) Breastfeeding 1987.
  - (b) Care of the Newborn 1988.
3. KMA/UNICEF HEALTH SERIES: Nyeri Nov. 1989. A healthy Nation Evaluation Seminar.

## **CONSULTANCIES.**

1. International Baby Food Action Network (IBFAN) Africa: Training health care workers on Lactation Management.
  - (a) Zimbabwe 1988 Medical Doctors' Course.
  - (b) Mauritius 1990 MAPBIN/CHAN.
2. African Medical Research Foundation (AMREF): 1991 - Care of the Newborn. A chapter in Child Health. A manual for medical and health workers. AMREF Rural Health Series
3. PRITECH (in conjunction with the Ministry of Health), University of Nairobi & Kenyatta National Hospital: Formulation of lactation Curriculum 1992.
4. Commonwealth Regional Health Community Secretarial (CRHCS): 3rd chairpersons meeting on integrating breastfeeding into undergraduate curricula, April 1995.
5. Population Council: East and Southern Africa – Regional Office: Development of curriculum for health workers training in prevention of mother to child transmission of HIV. 2001/02.
6. NARESA: Training of health workers on Infant and young child feeding in PMTCT sites 2002-2006.
7. UNICEF/Botswana Government: Development of curriculum: Infant and young child feeding in Botswana in the context of HIV. 2003.
8. CDC Nairobi: Training of health workers in Nyanza PMTCT sites on infant and young child feeding in the context of HIV infection.2005
9. AMREF: Revision of Kenya Ministry of Health/AMREF distance education programme: Child Health Course. 2006
10. Ministry of Public Health and Sanitation: Training of health workers in infant and young child counselling in 7 districts 2009in Kenya

## **MASTERS OF DISSERTATIONS SUPERVISED TO COMPLETION**

## **DEPARTMENT OF PAEDIATRICS**

**PERIOD 1980 – 1989**

<b>POSTGRADUATE STUDENT</b>	<b>SUPERVISORS</b>	<b>TITLE</b>
Dr. A.M. Marami	RN Musoke EC Kungu	Neonatal Jaundice in full term babies in Kenyatta National Hospital.
Dr. Grace Malenga	RN Musoke	Bacterial Infection in Neonatal at Kenyatta National Hospital
Dr. B.K.O. Ganda	RN Musoke	Fronto-occipital head circumference of Kenyan Infants of African Origin aged 0-12 months.
Dr. R. Makomba	RN Musoke	A survey of Meconium staining of amniotic fluid and meconium aspiration syndrome in Kenyatta National Hospital
Dr. E. Kasirye-Bainda	RN Musoke	Neonatal Morbidity and Mortality at Kenyatta National Hospital
Dr. W.M. Munoru	RN Musoke JS Meme	Blood count indices in healthy term African Neonatal at Kenyatta National Hospital
Dr. R. Rugunda	RN Musoke	Outcome of asphyxia neonatorum at Kenyatta National Hospital
Dr. R.O. Muga	RN Musoke FE Onyango	Incidence of congenital malformations in newborns at Kenyatta National Hospital
Dr. S.O. Muhudhia	RN Musoke	Pattern of weight gain of preterm infants at Kenyatta National Hospital
Dr. J.K. Mbuthia	RN Musoke	Iron deficiency anaemia in preterm babies and the effect of prophylactic iron
Dr. A.O. Misore	RN Musoke	Intra uterine growth pattern of Kenyan infants delivered at Kenyatta National Hospital
Dr. P.N. Kituuka	RN Musoke JS Meme	Neutrophil alkaline phosphatase activity in preterm neonates
Dr. E.A. Awimbo	RN Musoke NO Bwibo	Sex chromatic in normal term infants African neonates
Dr. M.M. Kiros	RN Musoke AO Wasunna	Neurological status of the very low birth weight infants at six nine and twelve months
Dr. Opondo R	RN Musoke	School performance of epileptic children attending the Kenyatta National Hospital Neurology clinic.

**PERIOD 1990 – 1999**

<b>POSTGRADUATE STUDENT</b>	<b>SUPERVISORS</b>	<b>TITLE</b>
Dr. K.C. Wafula	RN Musoke	Infant feeding practices and the growth of preterm infant during the first year of life
Dr. F. Kanyingi	RN Musoke FE Onyango	Normal size of the liver in healthy infants of Kenyatta National Hospital
Dr. Maina C	RN Musoke E Wafula A O Wasunna	Head circumference to midarm circumference ratio in newborn babies
Dr. A. Omar	RN Musoke	Effect of oral versus intramuscular Vitamin K on prothrombin of

	AO Wasunna	preterm infants
Dr. Nyikuri	RN Musoke E Wafula	Prevalence of hypoglycaemia in diarrhoea
Dr. H. Kerandi	RN Musoke FE Onyango IN Keengwe	Prevalence of gentamicin nephrotoxicity among low birth weight infants
Dr. H.W. Kihara	RN Musoke AO Wasunna	Mid-arm circumference/Head circumference ratio for identification of hypoglycaemia in infants who join their mothers after delivery
Dr. C.P. Malavu	RN Musoke JW Nyikal	Pattern of Cerebral Palsy in Children presenting to Kenyatta National Hospital's occupational Therapy Department
Dr. D.P.O. Oyatsi	RN Musoke AO Wasunna	Incidence of rickets of prematurity at Kenyatta National Hospital
Dr. P. Otieno	RN Musoke RW Nduati AO Wasunna	Growth and Development of abandoned infants at Kenyatta National Hospital and some children's Homes in Nairobi
Dr. E.C.N. Nabakwe	RN Musoke JW Nyikal AO Wasunna	Incidence of early neonatal hypocalcaemia in preterm babies
Dr. E. Obimbo	RN Musoke F Were	Knowledge, attitudes and practices of mothers, and the knowledge of health care workers regarding care of the umbilical cord of a newborn
Dr. Fana Ambaye	RN Musoke EM Wafula A Wasunna L Nyambola	Anthropometric measurements of live born Kenya Infants from gestation 28 to 42 weeks in some hospitals in Nairobi Kenya
Dr. R.O. Mukhwana	RN Musoke F Were	Kenyatta National Hospital Neonatal Audit
Dr. M.K. Kiaira	RN Musoke NM Muroki	Comparison of tempe and special milk in the nutritional rehabilitation of severely malnourished children using biochemical and physical parameters
Dr. N. Ndwiga	RN Musoke F Were	Serum sodium levels in sick preterm infants at Kenyatta National Hospital.
Dr. J.N. Muchiri	RN Musoke	Knowledge, attitudes and practice of health worker MTCT of HIV through breastfeeding

#### PERIOD 2000 – 2009

POSTGRADUATE STUDENT	SUPERVISORS	TITLE
Dr. Heena J. Hooker	RN Musoke	Evaluation of a haematological scoring for early diagnosis of bacteria; sepsis in neonates admitted to Kenyatta National Hospital
Dr. Ahmed M.R. Laving	RN Musoke	Neonatal bacterial meningitis at Kenyatta National Hospital
Dr. Bernadine N. Lusweti	RN Musoke	Antibiotic treatment of early neonatal sepsis in babies born before arrival
Dr. Myra Maghasi	RN Musoke F Were	Prevalence of congenital hypothyroidism in neonates born at the Kenyatta National Hospital

Dr. Agnes W. Mithamo	RN Musoke	Risk factors associated with death before arrival or within an hour of arrival at the Paediatric Filter Clinic of Kenyatta National Hospital
Dr Irene Inwani	RN Musoke RW Nduati	Prevalence of HIV seropositivity in neonates of non booked women delivering at Kenyatta National Hospital
Dr R.K. Kumar	RN Musoke W Macharia G Revathi	Validity of C reactive protein in the early diagnosis of neonatal sepsis in a tertiary hospital in Kenya
Dr A. C. Mwendwa	RN Musoke DC Wamalwa DE Simiyu	Impact of partial kangaroo mother care on growth rates and duration of hospital stay of low birth weight infants in Kenyatta National Hospital
Dr Aduro	RN Musoke CA Jowi DC Wamalwa	Prevalence of haemodynamically significant patent ductus arteriosus in preterm infants at Kenyatta National Hospital
Dr Annette Sang	RN Musoke	Prevalence of viral lower respiratory tract infection in children under five years
Dr Stella Kimilu	RN Musoke	Assessment of the quality of emergency care and outcome of severely ill children using the ETAT guidelines at paediatric filter clinic of Kenyatta National Hospital
Dr Charles Nzioki	RN Musoke G Irimu	Audit of care of children aged 6-59 months admitted with severe malnutrition at Kenyatta National Hospital
Dr Eric Ngetich	RN Musoke F Were M English	Effect of standardized feeding regimen on early neonatal growth in low birth weight infants

#### PERIOD 2010 – 2014

POSTGRADUATE STUDENT	SUPERVISORS	TITLE
Dr John Wachira	RN Musoke DC Wamalwa C Gichuhi	Short longitudinal survey describing the proportion of children failing 1 <sup>st</sup> line treatment for severe and very severe pneumonia at Kenyatta National Hospital
Dr Samson Mugane	RN Musoke E Obimbo G Irimu	Hypoxaemia among children with severe or very severe pneumonia at Kenyatta National Hospital
Dr: Bernard Gwer	RN Musoke R Nduati	Evaluation of missed opportunity for immunisation in Nairobi Province
Dr Ruth Kihara	RN Musoke R Nduati DC Wamalwa C Mwangi	Efficacy of phone based counselling in supporting primiparous women to exclusively breastfeed
Dr Karanja - Chege	RN Musoke R Kamenwa R Nduati	Prevalence of rotavirus in children presenting with acute gastroenteritis at Gertrude's Children's Hospital and clinics
Dr. Edel Karau	RN Musoke, A Laving, Rogeno	Knowledge attitude and practice of bereaved parents and healthcare providers towards autopsy in children under five years in KNH
Dr. Elizabeth	RN Musoke	Assessment of Maternal Knowledge and Practice of Porridge



Kiragu	RW Nduati	preparation and storage in the home
Dr Serah Ngugi	RN Musoke FV Murila	Hand hygiene practices among health care workers in the Kenyatta Hospital newborn unit
Dr. Edith Mwasi Opala	RN Musoke, N Kariuki, D Njai	Time intervals from symptom onset to diagnosis and treatment in childhood cancer in Kenyatta National Hospital and associated factors
Dr Dan Alaro	R. Musoke, L M. Wainaina, A. Bashir	Incidence and short-term outcomes of acute kidney injury in term neonates with moderate to severe perinatal asphyxia at the Kenyatta National Hospital Newborn Unit
Dr Martin Mbiata Muthiga	RN Musoke, D Wamalwa, Bashir A	Prevalence and clinical factors associated with microalbuminuria in children aged 2-18years with sickle cell anaemia at Kenyatta National Hospital
Dr. John Njogu Kamenwa	E. M Obimbo, NO Bwibo, RN Musoke	Knowledge and Practices of Health Care Workers in Kenyatta National Hospital as Regards Nutritional Status and Needs of HIV Infected Children
Dr Jaspreet Kaur Bhurji	D Wamalwa RN Musoke	Determination of adherence of nurses to national guidelines during resuscitation of neonates at Pumwani Maternity Hospital
Dr. Caroline Wachu Mwangi	RNMusoke, D.Wamalwa	Breastfeeding practices among adolescent mothers and older primiparous mothers, during the first 14 weeks after delivery in Dagoretti District.
Dr. Isha Kadijah Kamara	R. Musoke, D. Wamalwa	Associated factors of neonatal hyperbilirubinemia in the first 2weeks of life in Ola During Children's Hospita, Freetown, Sierra Leone
Dr. Celia K. Muturi	F.E. Onyango, L. N. Mungai Wainaina, R Musoke	Prevalence of neonatal sepsis among newborns admitted to Kisii Level 5 Hospital

## **SUPERVISED MASTERS THESES (OTHER DEPARTMENTS/UNIVERSITIES)**

### **Department of Obstetrics & Gynaecology, University of Nairobi**

1. Dr. Gachiri: Outcome of Vacuum extraction at Kenyatta National Hospital. (1988/89)
2. Dr.L.S.Dissanayake: Obstetric variables predicting survival of the newborn 2000gm or less. (1988/89)

### **Veterinary Medicine University of Nairobi**

1. Dr. Julia K. Nyaundi: Viral causes of diarrhoea in children infected with human immunodeficiency virus. (2000/2001)

### **Department of Applied Nutrition University of Nairobi**

2. Ms Zipporah Nekesa: Effect multi-micronutrient supplementation on diarrhoea and nutrition outcomes among inpatients in public health facilities. (2001/02)
3. Laura W. Kijge: Nutritional and micronutrient (vitamin A, iron and zinc) status of children aged 9-59 months (2002/03)

### **American World University**

Ms Emily Nguu Impact of HIV/AIDS on children of infected parents: A case of Kibera Slum Nairobi, Kenya (2005/06; *MSc Nursing*)

### **University of Liverpool Master of Public health Programme**

Ndinda Kusu Waweru: Reasons for switching highly active antiretroviral therapy (HAART) regimens and common adverse reactions (ADRs) in children and adolescents on HAART in children of God Relief Institute (COGRI), Kenya between January 2005 and December 2009. A retrospective study

### **Kenyatta University**

Ms Mary Mbone Masakha: Prevalence of hypoglycaemia in newborns at Kenyatta National Hospital and the response to glucose supplementation in low birth weight.

## **PUBLICATIONS**

**Rachel N. Masembe**: Some aspects of Malaria in Mulago Hospital: **M. Med Dissertation 1974.**

## **REFEREED PAPERS**

### **PERIOD 1968 - 1989**

1. Ian Phillips and **Rachel Masembe**: The bacteriology of terminal pneumonia. *East Afr Med J* 1968; 45:755
2. DH Wright, **Rachel Masembe**, ER Bazira. The effect of antithymocyte serum on golden hamsters and rats infected with *Plasmodium berghei*. *British J Experimental Pathology* 1971; 52: 465
3. **Rachel N. Masembe**. The pattern of bacterial enteritis in Mulago Hospital Special Care Unit. *J Trop Pediatr and Environmental Child Health* 1977; 23:61
4. MA Marami, **RN Musoke**, EC Kungu. Neonatal jaundice in full term babies at the Kenyatta National Hospital. *J Obstet Gyn East & Cent Afr* 1983; 2:61
5. **RN Musoke**. Admissions to Mulago Hospital special care unit 1971-1975: A retrospective study. *East Afr Med J* 1983; 60:699
6. **RN Musoke**. Neonatal necrotizing enterocolitis at Kenyatta National Hospital. *East Afr Med J* 1984; 61:295
7. FE Onyango, J Ndinya-Achola, VA Orinda, **RN Musoke**. Lancefield group B beta-haemolytic streptococcal infections in the newborn at Kenyatta National Hospital. *East Afr Med J* 1984; 61:376
8. **RN Musoke**, GJ Malenga. Bacterial infections in the Kenyatta National hospital nursery. *East Afr Med J* 1984; 61:909-916
9. **RN Musoke**, EC Kungu, BK Ganda. Congenital ichthyosis in two Kenyan newborns. *East Afr Med J* 1985; 62:101-104
10. C Greenfield, V Osidiana, PM Tukei, **RN Musoke**, J Mati, C Loucq, B Pritzell, HC Thomas. Cheaper immunisation against Hepatitis B. *East Afr Med J* 1986; 63:3-11
11. C Greenfield, V Osidiana, P Karayiannis, S Galpin, **RN Musoke**, TP Jowett, J Mati, PM Tukei, HC Thomas. Perinatal transmission of hepatitis B in Kenya: its relationship to the presence of serum HBV-DNA and anti-HBV in the mother. *J Med Virol* 1986; 19:135

12. C Greenfield, BMW Wankya, **RN Musoke**, V Osidiana, J Nyangao, PM Tukei. An age related point prevalence study of markers of hepatitis B virus infections in Kenya. *East Afr Med J* 1986; 63:48
13. JNS Jitta, **RN Musoke**, NO Bwibo, J Kioni. Composition of early human milk on Kenyan mothers of preterm and term infants. *East Afr Med J* 1986; 63:693
14. A Patel, **RN Musoke**. Risk of infection associated with umbilical vessel catheterization in newborn patients. *East Afr Med J* 1987; 64:232
15. R Makomba, **RN Musoke**. Meconium staining of amniotic fluid and meconium aspiration syndrome. *J Obstet Gyn East Cent Afr* 1987; 6:16
16. **RN Musoke**. Abandoned babies at Kenyatta National Hospital. *J Obstet Gyn East Cent Afr* 1988; 7:15
17. SO Muhdhia, **RN Musoke**. Postnatal weight gain in exclusively breastfed preterm infants. *J Trop Pediatr* 1989; 34:241

#### **PERIOD 1990 -1999**

1. **RN Musoke**. Breastfeeding promotion: Feeding the low birth weight infant. *Int J Gynecol Obstet* 1990; 31 (suppl 1) 56
2. **RN Musoke**, GA Anabwani. Patent ductus arteriosus in preterm infants at Kenyatta National Hospital *East Afr. Med. J.* 1991; 68:63
3. Brady J, **Musoke R**. Hypothermia: keeping young infants warm. *Nurs J India* 1991; 82:309-10
4. JP Brady, AO Wasunna. M Bowker, **RN Musoke**. Does the "Baby Clothe" heat shield keep low birth weight warm ? *East Afr. Med. J.* 1992; 69:37.
5. E. Kasiry Baina, **R.N. Musoke**. Neonatal morbidity and mortality at Kenyatta National Hospital newborn unit. *East Afr Med J* 1992; 69:360.
6. RK Ayisi, MJN Mbiti, **RN Musoke**, DAO Orinda. Sodium supplementation in low birth weight infants fed on their own mothers' milk. I: Effects on sodium homeostasis. *East Afr Med J* 1992; 69:591
7. **R.N. Musoke**, JNS Jitta: Postnatal Growth of abandoned preterm babies. *East Afr Med J.* 1994; 71:519
8. **R.N. Musoke**. Rational Use of antibiotics in Neonatal Infections. *East Afr. Med J* 1997; 74:147
9. D Oyatsi, **RN Musoke**, A Wasunna.: Incidence of rickets of prematurity at Kenyatta National Hospital. *East African Med. J.* 1999; 76:63-66
10. E Obimbo, **RN Musoke** F Were. Knowledge attitudes and practices of mothers and knowledge of health workers regarding care of the newborn umbilical cord. *East Afr. Med. J.* 1999; 76:425
11. PA Otieno, R Nduati **RN Musoke**, AO Wasunna. Growth and development of abandoned babies in institutional care in Nairobi. *East Afr. Med. J.* 1999; 76:430

#### **PERIOD 2000 – 2014**

1. **R.N. Musoke**, G. Revathi.: Emergence of multidrug resistant gram negative organisms in a neonatal unit and therapeutic implications. *J. trop. Paediatrics.* 46:86; 2000.
2. Kariuki, J.E. Corkhill, G. Revathi, **R. Musoke** CA Hart. Molecular characterization of a novel plasmid-encoded cefotaximase (CTX-M-12) found in clinical klebsiella pneumoniae isolated from Kenya. *Antimicrob. Agents chemother* 45:2141; 2001.
3. **RN Musoke**, RK Ayisi, DA Orinda, MJ Mbiti. Do healthy very low birth weight infants fed on their own mothers' milk require sodium supplementation? *Advances in experimental medicine and biology* 2001; 501: 431-7
4. R. Chakraborty, A. Pulver, L.S. Pulver, **R. Musoke**, T. Palakudy, A. D'Agostino. The post-

- mortem pathology of HIV-1 infected African children *Annals Trop. Paediatr.* 22:125, 2002.
5. D.N. Ndwiga, F.N. Were, **R.N. Musoke**. Hyponatraemia in very low birth weight infants. *East Afr. Med. J.* 79:120, 2002.
  6. F.N. Were, B.O., Mukhwana, **R.N. Musoke**. Neonatal survival of infants less than 2000 grams born at Kenyatta National Hospital. *East Afr. Med. J.* 79:77; 2002.
  7. F.N. Were, B.O. Mukhwana, **R.N. Musoke**: Early perinatal mortality at Kenyatta National Hospital. *J Obstet Gyn E & C. Afr.* 16:15; 2003
  8. Chakraborty R, Rees G, Buorhoulia D, Cross AM, Dixon JR, D'Agostino A, **Musoke R**, et al: Viral co-infection among African children infected with immunodeficiency virus type 1. *HIV/AIDS* 36:922-24; 2003
  9. Chakraborty R, **Musoke R**, Palakudy T, Cross A, D'Agostino Management of severely immunocompromised HIV-1 infected African orphans with structured treatment interruption: another kind of salvage therapy. *HIV/AIDS* 36:1483-1485; 2003
  10. L.M. Nathan, L.M. Nerlanders, J.R. Dixon R. Ripley, R. Barnabas, B.E. Eadeben, **R. Musoke**, B. Aluvaala, T. Palakudy., A. D'Agostino, R. Chakraborty. Growth, morbidity and mortality in a cohort of institutionalised HIV-1 infected African Children. *J Acq Immune Defic Syndr* 34:237-241 2003
  11. R. Chakraborty, M. Iturriza-Gomara, **R.N. Musoke**, T. Palakudy, J. Gray: An epidemic of enterovirus 71 infection among HIV-infected orphans in Nairobi. *AIDS vol 18: No 14 June 2004*
  12. Yuko-Jowi, DE Simiyu, **RN Musoke**: Ectopia cordis: a report of two cases *East Afr Med J* 81:486-498; 2004.
  13. W Ochieng, D Ogiyi, FJ Mulaa, S Ogola, **R Musoke**, MG Otsyula. Viral DC4+ T-lymphocytes counts and antibody titres in HIV-1 infected children in Kenya; implication for immunodeficiency and AIDs progression. *Afr Health Science* 2006; 6:3-13
  14. **RN Musoke**. Overview of obesity in childhood. *Nairobi Hospital Proceeding* 2007; 10:7-9
  15. R Lwembe, W Ochieng, **R Musoke**, M Owens, EM Songok, FA Okoth, H Ichimura. Anti-retroviral drug resistance-associated mutations among non-subtype B HIV-1 infected Kenyan children with treatment failure. *J Med Virol* 79: 865-872; 2007
  16. C Nzioki, G Irimu, **R Musoke**. Audit of care for children aged 6-59 months admitted with severe malnutrition at Kenyatta National Hospital. *Int Health J* 2009; 1: 91-96
  17. NM Kiulia, JK Nyaundi, I Peenze, A Nyachieo, **RN Musoke** AD Steele, JM Mwenda. Rotavirus infections among HIV- infected children in Nairobi, Kenya. *J Trop Pediatr March 2009*
  18. R Lwembe, RW Lihana, W Omondi, A Panikulam, **R Musoke**, M Owens, EM Songok, FA Okoth, H Ichimura et al Changes in the HIV type 1 envelope gene from non-subtype B HIV type 1 infected children in Kenya. *AIDS research and human retroviruses* 25: 1-7; 2009
  19. RW Lihana, RM Lwembe, X Bi, W Ochieng, A Panikulam. T Palakudy, **R Musoke**, M Owens et al. Efficient monitoring of HIV-1 infected children in Kenya on first line antiretroviral therapy. *J Clin virology* 52: 123-128; 2011
  20. Murila F, Obimbo MM, **Musoke R**. Assessment on neonatal resuscitation among health care workers in Kenya. *Pan Afr Med J* 2012; 11: 78
  21. Murila F, Obimbo MM, **Musoke R**, Tsikhutsu I, Migiros S, Ogeng'o J. Breastfeeding and human immunodeficiency virus infection: assessment of knowledge among clinicians in Kenya. *Int J Nurs Pract* 2013 Nov 21 doi 10.1111/ijn.12218
  22. Kimani-Murage EW, Kyobutungi C, Ezech HC, Wekesah F, Wanjohi M, Muriuki P, **Musoke RN**, Norris SA, Griffins P, Madise NJ. Effectiveness of personalised home-based nutritional counselling on infant feeding practices, morbidity & nutritional outcome among infants in Nairobi slums: study protocol for a cluster randomised controlled trial. *BMC trials* 2013; 14:445

23. Mans J, Murray TY, Kiulia NM, Mwenda JM, **Musoke RN**, Taylor MB. Human caliciviruses detected in HIV seropositive children in Kenya. *J Med virology* 2014; 86(1): 75-81
24. Alaro d, Bashir A, **Musoke R**, Wainaina L. Prevalence of acute kidney injury in term neonate with perinatal asphyxia. *African Health Sciences* 2014; 14: 675-78
25. Kimani-Murage EW, Wekesah F, Wanjohi M, Kyobutungi C, Ezeh AC, **Musoke RN** et al. Factors affecting actualisation of the WHO breastfeeding recommendations in urban poor settings in Kenya. *Maternal and Child Nutrition* (2014) DOI: 10.1111/mcn.12161

## CHAPTERS IN BOOKS

1. **RN Musoke**. Successful breastfeeding promotion models: Feeding the low birth weight infant. In *Breastfeeding – The passport to life*. Editor N Baumslag. NGOs committee on UNICEF (Working group on Nutrition) 1989
2. NO Bwibo, **RN Musoke**. Breastfeeding in the African context. In *Human lactation 4: Breastfeeding, nutrition, infection and infant growth in developed and emerging countries*. Editors SA Atkinson, LA Hanson, RK Chandra 1990; Chapter 31 page 419 ARTS biomedical Publishers & distributors
3. **RN Musoke**. Care of the newborn In *Primary health care: a manual for medical students and other health workers*. Editors K Mukelabai, NO Bwibo, FE Onyango 2<sup>nd</sup> edition 1995, UNICEF
4. FE Onyango, **RN Musoke**, K Mukelabai. Breastfeeding and early infant feeding In *Primary health care: a manual for medical students and other health workers*. Editors K Mukelabai, NO Bwibo, FE Onyango 2<sup>nd</sup> edition 1995, UNICEF chapter 3
5. **RN Musoke**. Care of the newborn. In *Child health: A manual for medical and rural health workers*. Editor PJ Stanfield 2<sup>nd</sup> edition AMREF 1997
6. **RN Musoke**, RK Ayisi, DAO Orinda, MJN Mbithi. Do healthy very low birth weight infants fed on their own mothers' milk require sodium supplementation? *Bioactive components of human milk*. Editor DS Newburg 2001 Ch 47: 387-392
7. **RN Musoke**. Care of the newborn. *Child Health: A manual for medical and health workers in health centre and rural hospitals* Ed P Stanfield, NO Bwibo 3<sup>rd</sup> edition 2005 Chapter 13
8. **R.N. Musoke**, J. Mulimba: Mental Health from the Perspective of a Paediatrician and a surgeon. *The African Textbook of Clinical Psychiatry and Mental Health* ed. D.M. Ndeti AMREF 2006 Chapter 7: 24-30
9. **Musoke R**, Ngoma MS, Wasunna A. Care of the newborn. *Primary Health Care: A Manual for Medical Students Eastern & Central Africa, Third edition 2010* Ch. 2: 16-24
10. **Musoke R**, Nduati R, Wasunna A . Infant and young child feeding *Primary Health Care: A Manual for Medical Students Eastern & Central Africa Third edition 2010* Ch. 3: 25-42
11. Njai D, **Musoke R**, Nduati R, Wasunna A. Growth monitoring and promotion during early childhood *Primary Health Care: A Manual for Medical Students Eastern & Central Africa Third edition 2010* Ch. 6: 76-96
12. **RN Musoke**. IPPF AFRICA REGION: Essential Obstetric Care manual for Health Services in Kenya: chapter on Neonatal care/Care of a Healthy Newborn. 2008
13. **RN Musoke**. Paediatric and neonatal transfusion. In *guidelines for the appropriate use blood and blood products*. Kenya National Blood Transfusion Service 2009
14. **RN Musoke**. Paediatric sections In *Clinical Management and Referral Guidelines of Common Conditions at Level 1 – Community volumes 1 Kenyan Ministries of Health* 2009

15. **RN Musoke.** Paediatric sections *In Clinical Management and Referral Guidelines of Common Conditions at Levels 2 – 3: Primary care. Kenyan Ministries of Health 2009*
16. **RN Musoke.** Paediatric sections *In Clinical Management and Referral Guidelines of Common Conditions at Levels 4 – 6 – Hospitals. Kenyan Ministries of Health 2009*

## INVITED PAPERS /INTERVIEWS

1. **R.N. Musoke.** Neonatal Services. *Medicus* 3:13, 1984.
2. **R.N. Musoke.** Bacterial infection in the newborn. *Medicus* 5:8, 1986.
3. J Brady, **RN Musoke:** Keeping young infants warm *ARI News* 17:4, 1990.
4. KE Blyth, A Mukuria, **RN Musoke.** Lactation management training in a Kenyan Hospital *PRITECH occasional operations Paper December, 1992.*
5. **RN Musoke.** Should all pre-term babies be saved? *The Sunday Nation* April 19, 1998
6. **RN Musoke:** Kenya leads the way with government policy banning bottles in hospitals. *BFHI news* May/June 1999
7. **RN Musoke** *WHO World Health Day press release April 2005: Make every mother and child count. Appeared in local newspapers*
8. The forgotten babies (on antiretrovirals for children) *The Standard* September 7, 2005
9. **RN Musoke** *Eve magazine* August 2006 3 articles on (a) Exclusive breastfeeding – Sticking to the script (b) World breastfeeding – Breastfeeding gets the recognition it deserves (c) The ABC of child vaccination

## PAPERS PRESENTED AT CONFERENCES/SEMINARS

### PERIOD 1976 – 1989

1. **RN Masembe:** *Bacterial enteritis at Mulago Hospital Special Care Unit.* Association of Physicians of East and Central African 1976, Kampala, Uganda.
2. A.M. Marami, **R.N. Musoke:** *Jaundice in full term infant at Kenyatta National Hospital.* Kenya Paediatric Association 1982
3. JNS. Jitta, **RN Musoke,** N.O. Bwibo, J. Kioni. *Composition of early human milk of Kenyan Mothers of preterm and term infants.* Kenya Paediatric Association 1984
4. C Greenfield, **RN Musoke,** JK Mati, VO Osiendo, PM Tukei, S Galpin, P Karayiannis HC Thomas. *The importance of vertical transmission of hepatitis B. Virus in Kenya Preliminary results.* Kenya Paediatric Association 1984.
5. C Greenfield, **RN Musoke,** PM Tukei, VO Osidiana. *The most cost effective vaccination programme for Kenya against Hepatitis B Virus infection.* Association of Physicians of East and Central African 1984, Mombasa, Kenya.
6. **RN Musoke,** G. Malenga: *Bacterial infections in Neonates at Kenyatta National Hospital.* Association of Physicians of East and Central African 1984, Mombasa, Kenya.
7. **RN Musoke:** *Abandoned babies at Kenyatta National Hospital Newborn Unit.* Kenya Obstetric and gynaecological Society 12th Annual Scientific Conference 1987.
8. **RN Musoke:** *Role of intrauterine infection in causation of mental retardation.* Commonwealth Association for Mental Handicap and Developmental Disabilities - African Region 1987, Nairobi, Kenya.
9. **RN Musoke,** GA Anabwani. *Patent ductus arteriosus among preterm infants at Kenyatta National Hospital.* Kenya Paediatric Association 1988.

10. SO Muhudhia. **R.N. Musoke**: *Postnatal weight gain of exclusively breastfed preterm infants*. Association of Physicians of East and Central African 1988, Harare, Zimbabwe.

## **PERIOD 1990 - 1999**

1. **RN Musoke**, JNS Jitta. *Postnatal growth of abandoned babies at Kenyatta National Hospital*. 5th Congress UNAPSA 1990, Nairobi, Kenya.
2. RK Ayisi, **RN Musoke**, DAO Orinda: *Sodium homeostasis in very low birth weight infants fed on own mother's milk*. 5th Congress UNAPSA 1990, Nairobi, Kenya.
3. Lekha Dissanayake, HCG Sanghvi, **RN Musoke**: *Obstetric variables predicting survival of the low birth weight infant 2000gm or less*. 5th Congress UNAPSA 1990, Nairobi, Kenya.
4. **RN Musoke**, K Blyth, A Mukuria, KNH Lactation Team. *Breastfeeding: Are health workers up to date? Do they Help Mothers?* Kenya Paediatric Association 1993.
5. KE Blyth, A Mukuria, **RN Musoke**. *A comprehensive Approach to Curriculum Development for lactation management* American Public Health Association, San Francisco Oct. 1993.
6. **RN Musoke**. *Fluid and electrolyte balance in the newborn*. Kenya Paediatric Association Neonatology Symposium March, 1994.
7. **RN Musoke**. *Breastfeeding: the role of the Obstetrician*. Kenya Obstetric and Gynaecology Society (KOGS) Annual Scientific Meeting February 1995.
8. **RN Musoke**. *Congenital tuberculosis/tuberculosis in pregnancy: Case reports and literature review*. KOGS Annual Scientific meeting February, 1995.
9. **RN Musoke**: *Breast feeding in the modern world - Is it worth the bother?* Kenya Obstetric and Gynaecology Society (KOGS). Annual Scientific meeting, February 1997
10. **RN Musoke**: *Hepatitis B immunisation*. Kenya Paediatric Association - Annual Scientific meeting, May 1997.
11. **RN Musoke**: *Malnutrition, low birth weight and lack of breastfeeding*. 12th conference of the African Region of the International Union Against Tuberculosis and Lung Disease (IUATLD), held in Nairobi, March 1998.
12. AA Omar, **RN Musoke**: *Oral versus parenteral vitamin K prophylaxis in preterm neonates*. Kenya Paediatric Annual Scientific meeting. May 1998
13. **RN Musoke**, B Aluvaala, T Palakudy, J Nzinzi, L Troas, M Toyota, W Ochieng A D'Agostino, S Ogola. *Morbidity and mortality at Nyumbani Hospice for HIV infected children*. 2<sup>nd</sup> National HIV/AIDS/STD Conference October, 1998, Nairobi, Kenya.
14. M. Otsyula, W. Ochieng, S. Ogola, T. Palakudy, L. Tresa, J. Nzinzi B Aluvaala, **R. Musoke**, A. D'Agostino. *Disease progression in children perinatally infected with HIV-1*. 2<sup>nd</sup> National HIV/AIDS/STD Conference October 1998, Nairobi, Kenya.
15. **RN Musoke**: *Feeding of low birth weight infants*. Neonatology symposium: Kenya Paediatric Association, May 1999.

## **PERIOD 2000 - 2009**

1. **RN Musoke** *Pre and perinatal care of babies of HIV infected women*. Kenya Obstetric and Gynaecology Society. Annual Scientific Meeting, February 2000, Mombasa, Kenya.
2. **RN Musoke** *Breastfeeding and cognitive development*: National Workshop on initiatives and alliances in early childhood care and development in Kenya. May 2000 Mbagathi, Kenya.
3. **RN Musoke**, *Care of the newborn: the first 24 hours*. National Nurses Association of Kenya: Midwives Conference July, 2000, Nairobi, Kenya.

4. **RN Musoke** A Omar, A Wasunna. *Oral versus intramuscular vitamin K. prophylaxis in preterm infants.* IAMANEH Conference, Stellenbosch, S. Africa, March 2000.
5. Ochieng W, Ogola S, Palakudy T, Nzinzi J, Aluvaala B, **Musoke R**, Chakraborty R, D'Agostino A, Otsyula M. *Disease progression in untreated HIV infected children.* Institute of Primate Research Annual Scientific review Nairobi, November 2000.
6. Chakraborty R, Pulver A, Pulver LS, **Musoke R**, Aluvaala B, Palakudy T, Otsyula M, D'Agostino A, Rana F. *Clinical histories and postmortem findings in HIV infected children in Nairobi.* Institute of primate Research Annual Scientific review Nairobi, November 2000.
7. Chakraborty R, **Musoke R**, Aluvaala B, Palakudy T, Nyongo A, Ogola S, Otsyula M, D'Agostino A. *The Nyumbani syndrome a clinical puzzle.* Institute of Primate Research. Annual Scientific Review. Nairobi, November 2000.
8. T Palakudy, **R Musoke**, A D'Agostino. *Paediatric Management of ARVs at Nyumbani Children's Home.* Médecins Sans Frontières: Conference on ARV treatment for Kenyans: The will and the way. Nairobi 2003
9. **RN Musoke**, R Muga. *Incidence of congenital malformations at Kenyatta National Hospital.* International conference on birth defects and disabilities. Johannesburg South Africa. 2001.
10. **RN Musoke**, *Is Kenya ready to fulfill the neonate's right to intact survival?* Kenya Paediatric Association Scientific Seminar Mombasa April 2003.
11. **RN Musoke**. *Lung disease in HIV infected children.* Kenya Paediatric Association Annual scientific meeting Mombasa April 2004.
12. **RN Musoke**. *Organisation of neonatal services in Kenya* KPA newborn Symposium meeting Mombasa, May 2005
13. **RN Musoke**. *Newborn survival in Africa: shall we meet the millennium development goals?* KPA Annual scientific meeting Mombasa, April 2006
14. **R.N. Musoke**: *Obesity in children.* Nairobi Hospital Clinical Symposium on Obesity: June 2007.
15. P Muchiri, **RN Musoke**: *Challenges of early infant diagnosis and treatment Lea Toto programme Nairobi.* Paediatric Aids Treatment for Africa (PATA) November 2008 Forum Kigali, Rwanda
16. H Ichimura, R Lihana, R Lwembe, W Ochieng, **R Musoke**: *Antiretroviral failure and drug resistance associated mutations among Non-B subtype HIV-1 infected children.* Poster presentation IAS Conference. South Africa February 2009
17. **RN Musoke**. *Feeding the low birth weight infants in developing countries* Kenya Paediatric Association: Annual Scientific meeting: Mombasa April 2009
18. A Wainaina, J Bowyer, **RN Musoke**. *The challenge of reducing infant mortality in a population of HIV infected/affected children in Nairobi (poster presentation)* Kenya Paediatric Association: Annual Scientific meeting: Mombasa April 2009
19. **RN Musoke**, N. Dent, K Mathei, J Bowyer. *An enhanced nutritional programme for children with HIV in Lea Toto clinics in Nairobi* Kenya Paediatric Association: Annual Scientific meeting: Mombasa April 2009.
20. F Thuita, N Dent, B Kaugi, **R Musoke** K Mathei, *Nutritional status and infant feeding practices in Lea Toto, a community based HIV care programme in Nairobi, Kenya* Commonwealth Association of Paediatric Gastroenterologists and Nutritionist (CAPGAN) biennial meeting Blantyre, Malawi August 2009. *Abstract in Malawi Medical Journal 2009; 21:155*
21. J Bowyer, **R Musoke**, A Wainaina. *Malnutrition as a significant contributing factor to mortality in HIV-Affected infants living in the poorest areas of urban Kenya.* Commonwealth Association of Paediatric Gastroenterologists and Nutritionist (CAPGAN) biennial meeting Blantyre, Malawi August 2009. *Abstract in Malawi Medical Journal 2009; 21:146*
22. P Bahwere, **R Musoke**, D Anunga, A Wainaina, M Mutunga, N Dent. *Can severe malnutrition case fatality rate in HIV infected children be reduced? Outcome of a programme to improve management of SAM in Lea Toto paediatric HIV services.* Commonwealth Association of



Paediatric Gastroenterologists and Nutritionist (CAPGAN) biennial meeting Blantyre, Malawi August 2009. *Abstract in Malawi Medical Journal 2009; 21:124*

## PERIOD 2010 -2014

1. **RN Musoke.** *Challenge of reducing infant deaths in a poor urban population of HIV affected/infected children.* 2010 PEPFAR Kenya care and treatment implementers' meeting. Nairobi Kenya
2. **RN Musoke.** *Neonatology past, present and future.* KPA Neonatology symposium. Nairobi November 2010
3. Kusu N, **Musoke RN**, Osoba T. *Reasons for switching HAART regimens in children and adolescents in Nairobi* Kenya Paediatric Association Annual Scientific conference Mombasa April 2011
4. **RN Musoke**, T Palakudy, A Panikulam, M Owens, R Lwembe, R Lihana, EM Songok, H Ichimura. *Clinical course and outcome in HIV infected children.* Annual Kenya Paediatric Conference April 2013 & 2<sup>nd</sup> International Scientific Conference, college of Health Sciences, Nairobi, 2013
5. **RN Musoke.** *Paediatric blood transfusions.* Annual Kenya Paediatric Conference April 2013
6. July 2014: UON/KNH: Neonatology symposium Presented:
  - a. *Nutritional support of very low birth weight infants*
7. Aug 2014: International Congress of Tropical Paediatrics hosted by Kenya Paediatric Association Presented:
  - a. *Care of the preterm: feeding (Invited presentation)*
  - b. *Care of the preterm: issues in metabolic & micronutrient management (Invited presentation)*
  - c. *Factors affecting infant and young child feeding in urban poor settlements Nairobi, Kenya (Abstract driven presentation)*
- 8.

## CONFERENCES/SYMPOSIA ATTENDED

1. Neonatal Society Scientific Meeting, Oxford U.K. 1977. *Delegate*
2. Union of National African Paediatric Societies and Associations 1979, Nairobi, Kenya. *Delegate*
3. Kenya Paediatric Association Scientific Seminar 1985.Nairobi, *Delegate*
4. British Paediatric Association Scientific Meeting 1986. York, United Britain, *Invited guest*
5. Uganda Paediatric Association Scientific Meeting 1993, Kampala, Uganda *Delegate*
6. Union of National African Paediatric Societies and Associations (UNAPSA) Dec. 1996, Kampala, Uganda. *Delegate representing Kenya Paediatric Association*
7. Academy of breastfeeding: 8<sup>th</sup> international meeting: pre-course symposium and scientific meeting Chicago USA 2003. *Delegate*
8. Aventis: Symposium on the toddler and vaccinations. Nairobi. 2004. *Delegate*
9. Kenya Paediatric Association: annual scientific meeting Mombasa, April 2007 *Delegate*
10. Academy of Breastfeeding Medicine: pre- course symposium and Annual Scientific meeting Dallas, Texas USA Oct 2007 *Delegate*
11. Kenya Paediatric Association: Symposium on Tuberculosis in children Nairobi, Oct 2007 *Delegate*
12. Nairobi Hospital symposium: Nephrology/Urology "what has changed?" May 2008 *Delegate*
13. Kenya Paediatric Association: Pre-congress: Day symposium in paediatric endocrinology

- Delegate Mombasa April 2009*
14. Third National PMTCT grand round: maximizing impact and cost-effectiveness of PMTCT programmes. Nairobi November 2009 *Delegate*
  15. Kenya paediatric association: Vaccinology symposium Nairobi, February 2011 *Delegate*
  16. Kenya paediatric association: Neurology symposium Nairobi, April 2011 *Delegate*
  17. Kenya Hospices and Palliative Care Association: Palliative care symposium Mombasa, April 2011 *Delegate*
  18. First International Scientific conference: College of Health Sciences June 2011 Nairobi, *Delegate*
  19. European Society of Paediatric Endocrinology in conjunction with UON Dept of Paediatrics: Calcium metabolism Symposium – Understanding Ricketts in children. Sept 2011 Nairobi *Delegate*
  20. Forth European regional meeting for physicians: Academy of Breastfeeding Medicine Trieste, Italy. May 2012 *Delegate*
  21. College of Health Sciences: *PACE program HIV symposium: June 2012 Delegate*
  22. Ninth International conference on Kangaroo Mother Care. Ahmedabad, India November 2012
  23. Nairobi Hospital symposium: Critical care. November 2012 *Delegate*

## **PAPERS PRESENTED AT WORKSHOPS**

1. Johns Hopkins Programmes (JHPIEGO)/ Family Health International (FHI) in Kenya.
  - a. 1987: *Minimum requirements for newborn care.*
    - i. *Care of low birth weight infants.*
  - b. 1989, *Research in perinatology*
  - c. 1991: *Impact of breastfeeding on child survival.*
    - i. *Perinatal morbidity and mortality: an overview.*
    - ii. *Feeding the very low birth weight infant.*
    - iii. *Immunization.*
  - d. 1992: *Breastfeeding and the working mother.*
    - i. *Immunization of the preterm infant*
  - e. 1993: *Organization of MCH/FP services in Kenya*
    - i. *Neonatal services*
2. Inter -agency workshop on health care practices related to breastfeeding. Georgetown University, Washington DC. December, 1988. *Breastfeeding model on feeding the low birth weight infant.*
3. N.G.O. Committee on UNICEF - Working group on Nutrition. New York December, 1988 *Kenyan successful breastfeeding model of feeding the low birth weight infant.*
4. La Leche League France - IFAM's UNESCO Symposium. Paris France June 1989: *Feeding the Low Birth weight infant which milk should we use?*
5. DANIDA/ANP Nutrition Workshops Nairobi Oct. 1993. *Care of the malnourished child.*
6. Commonwealth Regional health community Secretariat (CRHCS) 3rd Chairpersons meeting on Integrating breastfeeding and child feeding issues into the Undergraduate curricula. Nairobi, April 1995.
  - a) *Kenya report on breastfeeding, weaning and other child feeding issues.*

- b) *ECSA curricula in lactation management.*
  - c) *Teaching and evaluation strategies for curriculum plans.*
  - d) *Developing of training sites and environment.*
7. Wellstart International: Lactation Management Clinical enhancement workshop Sept 1996. Nairobi, Kenya.
    - a) *Postnatal growth of preterm infants in Nairobi*
    - b) *Growth of breastfed infants.*
  8. Breastfeeding choices for the HIV, seropositive mother: Durban South Africa, May 1996.
    - i) *Contextualizing continued breastfeeding by HIV seropositive mothers against Kenya's infant mortality rate.*
    - ii) *The financial impact of a national policy.*
  9. Regional Aids Training Network (RATN): MTCT of HIV workshop. Nairobi, 1999. *Infant feeding training curriculum.*
  10. National workshop on initiatives and alliances in early childhood development in Kenya: Nairobi, May 2000. *Breastfeeding and cognitive development.*

## **FACILITATION AT WORKSHOPS/WORKSHOPS ATTENDED**

1. Breastfeeding Information Group 1982 - 1990: *Facilitated* Seven workshops Nairobi & Mombasa: Training health care workers, teachers, Mass Media & Opinion leaders on Breastfeeding
2. WHO Africa region- 1983 Nazareth, Ethiopia: *Participated in review* of reproductive health/perinatal medicine
3. WELLSTART/WHO: *Participated in* Informal consultative meeting on breast milk expression and storage Washington DC July 1994.
4. Wellstart/WHO: *Facilitated* Pretesting of the Administrators course on lactation management. Baringo, Kenya June 1995.
5. University of Nairobi. *Facilitated* Integration of Lactation Management into the MB, Ch.B, and BSc Nursing curriculum August 1996. Machakos, Kenya.
6. Safe motherhood know-how projects: *Participated in* development of standards on maternity care. Nairobi 2001.
7. AMKENI: *Attended* Workshop on performance improvement approach for Ministry of Health and other stakeholders. Nairobi 2001.
8. UNICEF: *Attended* Eastern and Southern African Region: Implementation of BFHI in the context of HIV/AIDS. Gaborone, Botswana 2003.
9. Joint NIH/WHO Technical Consultation: *participated in evaluation of* Guidelines for nutritional care of infants and children with HIV/AIDS Washington DC, USA. May 2006
10. Ministry of Health/UNICEF. *Facilitated* Health workers' training on the International Code of marketing breastmilk substitutes Nairobi, July 2006.
11. Ministry of Public Health & Sanitation. *Course director* in the training of health workers in 7 Kenyan districts on Infant & Young Child Feeding.
12. KEMRI – Wellcome Trust Research & Ministry of Health: Child Health Evidence Week. June 2010 Kenya Paediatric Association: Paediatric HIV/AIDS. September 2010. *Participated in the revision of National Basic Paediatric Protocols*

13. KEMRI – Wellcome Trust Research, Ministry of Health, University of Nairobi, KPA: Participated in drafting recommendations for care of the umbilical cord in newborns. Mombasa April 2013

## ONGOING WORK

### MASTERS OF DISSERTATIONS: CURRENTLY SUPERVISING (2014/15)

POSTGRADUATE STUDENT	SUPERVISORS	TITLE
Dr Noela Makotsi	RN Musoke G Irimu FV Murila	Assessment of fluid and feeds management of very low birth weight infants in newborn unit at Kenyatta National Hospital
Dr. Evaline Jumwa Baya	D Njai RN Musoke	Initiation of breastfeeding among babies delivered by Caesareans section in Kenyatta National Hospital and Pumwani Maternity Hospital
Dr. G. Opondo McOgaa	F. Murila, R. Musoke	Utilization of mother-child health booklet by care givers and health care workers at Mbagathi District Hospital
Dr. Gituma Adrian Muriithi	Musoke R, FE. Onyango	Breastfeeding experience among health care professionals at Kenyatta National Hospital
Dr. Nasra Sleyyum Ali	D Wamalwa, Musoke RN	Prevalence of exclusive breastfeeding of infants 0-6 months old at Mmnazimmoja Hospital, Zanzibar
Dr. Mbarukeye Cyriaque	EM Obimbo, RN Musoke, DC Wamalwa	Risk factors associated with poor outcome in children living with HIV infection and receiving care at Kagbayi district Hospital Muhanga, Ruanda
Dr Lucy Meseka	RN. Musoke L. Mungai	Knowledge and attitude on essential newborn care practice among post natal mothers at Juba teaching hospital
Dr Caroline Wachira	RN Musoke, AM. Bashir	Prevalence of SIADH in children admitted in KNH with severe and very severe pneumonia
Dr Maureen Kinge	RN. Musoke, EM. Obimbo, R. Kumar	Prevalence of environmental allergen sensitivity among asthmatic children aged 5-12 years in Nairobi

## RESEARCH IN PROGRESS

### **Effectiveness of Community Based Nutritional Counselling on Infant Feeding Practices**

**Principal Investigator:** Elizabeth Kimani, PhD; APHRC

**Co-investigators**

Alex Ezeh, PhD; APHRC, Kenya

Catherine Kyobutungi, PhD; APHRC, Kenya

Nyovani Madise, PhD; University of Southampton, UK

Paula Griffiths, PhD; Loughborough University, UK

**Prof Rachel Musoke, University of Nairobi, Kenya**

Victor Owino, PhD; UC-Davis, Kenya

Shane Norris, PhD; University of the Witwatersrand, South Africa

Fredrick Wekesah, MSc; APHRC, Kenya

**Improving outcome of very low birth weight infants at the Kenyatta National Hospital newborn unit through quality improvement processes (Proposal stage)**

**Principal investigator:** Florence Murila, University of Nairobi

**Co-investigators**

**Rachel Musoke** University of Nairobi

Florence Ogongo Kenyatta National Hospital

Catherine Ngugi Kenyatta National Hospital

Faith Gitahi Kenyatta National Hospital

Mary B. Adam AIC Kijabe Hospital; University of Arizona

**Clinical course and outcome of HIV positive children resident at a children's home in Nairobi: a 15 year review**

**R Musoke**, T Palakudy, A Panikulam, M Owens, R Lwembe, R Lihana, EM Songok, H Ichimura. Clinical course and outcome in HIV infected children.

Impact evaluation of Lactation Management Education Training Program on Infant and Young child Feeding Practices at Kenyatta National Hospital

**Principal investigator:** Waithira Mirie University of Nairobi

**Co-investigators**

**Rachel Musoke** University of Nairobi

Samuel Kimani University of Nairobi

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