

CURRICULUM VITAE

BIO DATA

NAME: AGGREY WASUNNA

SEX: MALE

NATIONALITY: KENYAN

ADDRESS: Department of Paediatrics and Child Health
School Of Medicine
College of Health Sciences
University of Nairobi
P O BOX 19676-00202
Nairobi

TELEPHONE: (O) + 254-020-2718045
(O) + 252-020-2720947
(C) + 254-722 700 444

Aggrey.wasunna@uonbi.ac.ke

E- MAIL: wasunnabill@gmail.com

SPECIALISATION

PROFESSION: MEDICAL DOCTOR

SPECIALTY: PAEDIATRICS

SUB-SPECIALTY: NEONATAL MEDICINE

MEDICAL EDUCATION

1973 – 1978	University of Nairobi	Bachelor of Medicine and Bachelor of Surgery (MBCbB)
1980 – 1984	University of Nairobi	Master of Medicine in Paediatrics and Child Health (M. MED-PAED)
1986 - 1988	Royal post graduate, Medical School, University of London Hammersmith, Hospital	Fellow in Neonatal Medicine

OTHER TRAINING

	YEAR	ORGANISATION	TYPE OF TRAINING
1.	1977	Montreal Children's Hospital. McGill University	Ten weeks Elective Period
2.	1977	Great Ormond Street Children's Hospital London University	One week Elective Period
3.	1981	University of Nairobi	Certificate in Tropical Medicine
4.	1981	ICDDR, Bangladesh	WHO Certificate for Clinical aspects of Diarrhoeal Training
5.	1983	Nazareth, Ethiopia	WHO Certificate for Managers of National Programmes for Control of Diarrhoeal Diseases
6.	1985	University of Alexandria, Egypt	Certificate for the Management of Diarrhoea and Oral Rehydration Course

7.	1985	Mombasa, Kenya.	John Hopkins Certificate of Epidemiologic Investigation
8.	1987	Institute of Child Health, University of London	Certificate of Griffiths Mental Development scales
9.	1987	British Medical Association	Certificate for the 10 th course of BLAT/WHO Methodology For Teachers of Health Sciences
10.	Sep. 2001	Walter Reed (USA) Course in Nairobi, Kenya	Good Clinical Practices (GCP) Certification
11.	May 2002	Walter Reed (USA) Course in Nairobi, Kenya	Good Laboratory Practices (GLP) Certification
12.	Nov 2002	Nairobi, Kenya	Paediatric Advanced Life Support (PALS) Provider certificate
13.	Nov 2002	Nairobi, Kenya	Paediatric Advanced Life Support (PALS) Instructor certificate
14.	Oct 2008	Nairobi, Kenya	ETAT + Course

ACADEMIC AWARDS AND HONOURS

	YEAR	INSTITUTION AWARDING	AWARD
1.	1977	University of Nairobi/McGill University	Best Student in Paediatrics – Elective Studies in Montreal Children Hospital, McGill University, Canada
2.	1978	University of Nairobi	The Kenya Medical Association Chandaria Prize for Pathology and Microbiology

3.	1978	University of Nairobi	The Kenya Medical Association Prize for the Best Overall Final Year Medical Student
4.	1978	University of Nairobi	The Kenya Shell Prize for the Best Overall Final Year Medical Student
5.	1978	University of Nairobi	The Kamala Memorial Gold Medal for the Best Overall Final Year Medical Student
6.	1980	Rotary Foundation	Exchange Study Program to Denmark (six weeks)
7.	1984	University of Nairobi	The Best Overall Final Year Master of Medicine Postgraduate Student (Paediatrics)

HONOURS

- 1 Nominated and listed in the AcademicKeys: “**Who Is Who In Medicine Higher Education**” (WWMHE): Since April 8th 2009
- 2 Appointed as an Invited Reviewer to the Lancet: Since Nov 2010

PROFESSIONAL APPOINTMENTS AND RESPONSIBILITIES

WORK EXPERIENCE

1.	Medical Officer Intern	Coast General Hospital, Mombasa	August 1978 to July 1979
2.	Medical Officer	Eldoret District Hospital, Eldoret	August 1979 to August 1980
3.	Senior House Officer in Paediatrics	Kenyatta National Hospital, Nairobi. (During this period also held the post of Chief Resident – Paediatrics)	Sept. 1980 to July 1984 June 1982 to April 1984

- | | | | |
|----|--|---|--|
| 4. | Specialist Paediatrician and Honorary Lecturer | Kenyatta National Hospital and School Of Medicine, University of Nairobi | July 1984 to Oct 1985 |
| 5. | Lecturer in Paediatrics | Department of Paediatrics and Child Health, University of Nairobi | 16 th Oct. 1985 to Nov 1989 |
| 6. | Honorary Registrar in Neonatal Medicine/ Paediatrics and WHO Research Fellow | Royal Postgraduate Medical School Hammersmith Hospital University of London | Jan 1986 to Feb. 1988 |
| 7. | Senior Lecturer In Neonatal Medicine And Paediatrics | Department of Paediatrics University of Nairobi | 23 rd Nov 1989 to July 1998 |
| 8. | Associate Professor Of Neonatal Medicine And Paediatrics | Department of Paediatrics University of Nairobi | 30th July 1998 |
| 9 | Professor of Neonatal Medicine and Paediatrics | Department of Paediatrics University of Nairobi | 21 st June 2012 |

OTHER APPOINTMENTS

- | | | | |
|-----|---|---|---|
| 9. | Acting Chairman | Department of Paediatrics University of Nairobi | For periods of up to 6 weeks from 1991-1997 |
| 10. | Coordinator, the Undergraduate Program | Department of Paediatrics University of Nairobi | 1992 to 1997 |
| 11. | In-charge, Departmental Library/Departmental Representative Faculty Medical Library | Department of Paediatrics University of Nairobi | 1992 to 2000 |
| 12. | Coordinator, the Elective Students | Department of Paediatrics University of Nairobi | 1997 to 2001 |

13.	Chairman	Department of Paediatrics and Child Health University of Nairobi	Nov. 05, 2001 to Nov 04, 2007
14	Coordinator, Departmental Sub-specialty Training Programmes and Collaborations	Department of Paediatrics University of Nairobi	Since Oct 2007 to date

APPOINTMENT AS EXTERNAL EXAMINER

1.	Department of Paediatrics and Child Health Makerere University Kampala Uganda	July 2001
2.	Department of Child Health and Paediatrics Moi University Eldoret, Kenya	August 2001
3.	Department of Paediatrics and Child Health Makerere University Kampala, Uganda	June/July 2003
4.	Department of Child Health and Paediatrics Moi University Eldoret, Kenya	August 2003
5.	Department of Paediatrics Mbarara University Uganda	March 2004
6.	Department of Paediatrics and Child Health Makerere University Kampala, Uganda	May/ June 2004
7.	Department of Child Health and Paediatrics Moi University Eldoret, Kenya	December 2005

NATIONAL AND INTERNATIONAL RESPONSIBILITIES

POSITION/ APPOINTMENT	ORGANISATION	YEAR APPOINTED
1.	Co-ordinator Write up of the Programme for The National Control of Diarrhoeal Diseases, Ministry of Health- Kenya.	1985
2.	Member Expert Committee of The National Diarrhoeal Disease Control Programme Ministry of Health	1989

Kenya			
3.	Member	Reviewer, The East African Medical Journal	1989 to date
4.	Acting Secretary	Union of African Paediatric Societies and Associations (UNAPSA)	1989
5.	Organizing Secretary	The 5 th Union of African Paediatric Societies and Association and the 2 nd International Society for Tropical Paediatrics. Scientific Conference, Nairobi, Kenya	1989
6.	Member	The Kenyatta National Hospital Ethical and Research Committee	1990
7.	Chairman	The Kenya Paediatric Association	1990 1991 1992
8.	Member	The International Scientific Committee Organising the 2 nd World Congress on Paediatric Intensive Care – Rotterdam The Netherlands June 1996	1995
9.	Member	The Standing Committee of the East African Medical Journal	1997
10.	Member	Expert Group on Diarrhoeal Diseases Management, SmithKline Beecham Tropicals International	1999
11.	Member	First International Hepatitis B Advisory Board Meeting, Atlanta, USA	April 2000
12.	Member	Editorial Panel, Medicom: The African Journal of Hospital Medicine	Since 2000
13.	Member	The Organizing Committee for The Aga Khan Hospital, Nairobi 8 th International Scientific Conference	September 2002
14.	Member	Technical Advisory Group on Vaccines	Since 2001

Moi University/Indiana University/ University
of Nairobi/ Ministry of Health, Kenya

- | | | | |
|----|------------------|--|-----------------|
| 15 | Member | Global Advisory Board on Paediatric Vaccines,
Merck, U.S.A. | Since July 2008 |
| 16 | Invited Reviewer | The Lancet (Medical Journal) | Since Nov 2010 |

PROFESSIONAL ASSOCIATIONS AND SOCIETIES MEMBERSHIP

1. The Kenya Medical Association
2. The Kenya Hospital Association
3. The Kenya Paediatric Association
4. The Neonatal Society of the United Kingdom
5. The European Respiratory Society.
6. The European Society For Paediatric Intensive Care

ADMINISTRATIVE DUTIES IN UNIVERSITY OF NAIROBI

1. Chairman, Department of Paediatrics and Child Health Aug 2001 to Nov 2007
2. Member, School of Medicine Academic Board
3. Member, School of Medicine Management Board (while Chairman of Department)
4. Member, College of Health Sciences Academic Board
5. Member, College Management Board (while Chairman of Department)
6. Member, University Senate (while Chairman of Department)

CONSULTANCIES/NATIONAL HEALTH PARTICIPATION

1. Coordinator, National Control of Diarrhoeal Diseases Program, Ministry of Health, Kenya (1985)
2. Consultant on Neonatal Services Development And Neonatal Clinical Care to the Aga Khan Health Services –Based in Nairobi (1993 to date)
3. Participant in the National Measles Immunisation Campaign Ministry of Health, Kenya (2002)

COMMUNITY WORK/ SOCIAL RESPONSIBILITIES

1. Involved in the Hall Project of the All Saints' Cathedral, Nairobi.
2. Runs training course on " How To Perform First Aid On Common Baby's Problems and Emergencies At Home" for groups of parents in Nairobi since 2000
3. 7th March 2004: Free Medical Camp for Noor-e-Islam Kumbhar Association- Nairobi
4. Guest of Honour, Annual Speech Day, Premier Academy, Nairobi June 2009
5. Guest speaker on Baby and Child Health, Hindu Women Association February 2010

HOBBIES

1. Travelling
2. Photography
3. D.I.Y (Do It Yourself)

PROFESSIONAL CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

Attended many both locally and internationally, some of these are:

	YEAR	PLACE	CONFERENCE/WORKSHOP
1.	Oct. 1981	Dhaka, Bangladesh	WHO Inter-Regional Workshop on Diarrhoeal disease and Management
2.	March 1983	Nairobi, Kenya	The 2 nd Annual Kenya Paediatrics Association Scientific Conference
3.	May 1983	Harare, Zimbabwe	The Annual Scientific Conference of the Associations of Physicians of East and Central Africa
4.	Nov. 1983	Dhaka, Bangladesh	WHO workshop on Research Methodology in Clinical Trials

- | | | | |
|-----|------------------|---|--|
| 5. | July 1984 | Kisumu, Kenya | Ministry of Health Workshop on "Issues in Health and Nutrition Development in Kenya" |
| 6. | 1984 | Lilongwe, Malawi | Consultative Meeting: USAID/PRITECH programme on control of Childhood Communicable Diseases. |
| 7. | October 1984 | Mombasa, Kenya | Workshop to draw up the National control of Diarrhoeal Diseases programme document for Kenya (Ministry of Health/UNICEF Sponsored) |
| 8. | Aug/Sep1985 | Mombasa, Kenya | John Hopkins University Course on Epidemiologic Investigation of Reproduction Health Problems |
| 9. | Dec. 1985 | Washington D.C. USA | International Conference on Oral Rehydration Therapy (ICORT) |
| 10. | Feb 1986 | Royal Society of Medicine, London | Neonatal Society UK Winter Scientific Conference |
| 11. | June 1986 | Royal Society of Medicine, London | Medical Care in Africa and China |
| 12. | Nov 1986 | Royal Society of Medicine, London | Neonatal Society, UK Autumn Scientific Conference |
| 13. | Mar/Apr/Jun 1987 | Institute of Obstetrics and Gynaecology, London | Perinatal/Neonatal care in Developing Countries (Courses) |
| 14. | Apr 1987 | University of York U.K. | The British Paediatric Association Annual Scientific Conference |
| 15. | Nov. 1987 | Royal Postgraduate Medical | Scientific Conference on |

		School, University of London	“Rapid Diagnosis and New Treatments of Neonatal Infection”
16.	Dec. 1987	Royal Postgraduate Medical School, University of London U.K.	Update Conference on Neonatal Neurology and Neuromuscular Disease
17.	Apr. 1989	Mombasa, Kenya	University of Nairobi/John Hopkins University workshop workshop on Adolescent Perinatology
18.	July 1989	Paris, France	International Paediatric Association Scientific Conference
19.	Mar 1990	Nairobi, Kenya	Union of African National Paediatric societies and Associations/International Societies for Tropical Paediatrics Scientific Meeting
20.	Sep. 1992	Rio de Janeiro, Brazil	International Paediatric Association Scientific Conference
21.	May 1993	Johannesburg, South Africa.	Nestle International workshop on Protein Metabolism in Infancy and Childhood
22.	May 1993	Nairobi, Kenya.	The Kenya Paediatric Association Scientific Conference.
23.	Sep. 1993	University of Stellenbosch Cape Town, South Africa	The Abbott Round Table meeting on “The care of the critically ill Neonate”
24.	Mar 1994	Nairobi, Kenya.	The Kenya Paediatric

			Association Neonatal update.
25.	June/July 1995	Rotterdam, Holland.	Paediatric week in Holland.
26.	Aug. 1995	University of Durban, Durban South Africa	The Abbott Round Table meeting on: “The current issues in Neonatal Care”
27.	Oct 1995	San Francisco, U.S.A.	The Annual Scientific Conference of the American Academy of Paediatrics
28.	Nov. 1995	Royal Society of Medicine London U.K.	The Autumn meeting of the Neonatal Society, U.K.
29.	June 1996	Rotterdam, Holland.	The 2 nd World Congress on Paediatric Intensive Care.
30.	Oct. 1996	Boston, Ma USA.	The Annual Scientific Conference of the American Academy of Paediatrics
31.	Nov. 1996	Royal Society of Medicine.	The autumn meeting of the neonatal Society U.K.
32.	May 1997	Nairobi, Kenya.	The Kenya Paediatric Association Scientific Conference.
33.	June 1997	Kampala, Uganda.	The Uganda Paediatric Association Scientific Conference.
34.	April 1999	London, UK	Meeting of the Expert Group On Diarrhoeal Diseases Management
35.	June 1999	Barcelona, Spain	Symposium on combined Vaccines for The World’s Children
36.	Nov 1999	Manila, Philipines	Meeting of the Expert Group On Diarrhoeal Diseases

Management

- | | | | |
|-----|-----------------|--|---|
| 37. | Nov 1999 | Manila, Philipines | 2 nd World Congress of Paediatric Infectious Diseases |
| 38. | April 2000 | Atlanta, USA | First International Hepatitis B Advisory Board Meeting |
| 39. | April 2000 | Atlanta, USA | 10 th International Symposium on Viral Hepatitis and Liver Disease |
| 40. | June 2000 | Montreal, Canada | 3 rd World Congress on Paediatric Intensive Care |
| 41. | Sept. 9-13 2001 | Kampala, Uganda | Third conference on Global Strategies for the prevention Of HIV transmission from Mother to infants |
| 42. | May 2002 | Lawson Research Institute
London, Ontario, Canada | International Scientific Association of Probiotics and Prebiotics |
| 43. | June 8- 12 2003 | Boston MA. USA | 4 th World Congress on Paediatric Intensive Care |
| 44. | April 2004 | Beijing, China | 55 th Nestlé Nutrition Workshop on “Impact of Maternal Nutrition on the offspring” |
| 45. | October 2005 | Aga Khan University
Nairobi | Scientific Symposium on “Research in the Developing World. Myth or Reality” |
| 46. | December 2005 | Maseno University
Kisumu Hotel Campus | Revision of the KEPI Vaccination Manual. (Chair) |
| 47. | June 2006 | London, UK | Summer Meeting of Neonatal Society UK |
| 48. | August 2006 | Mombasa, Kenya | Annual Scientific Conference, Kenya Paeditric Association |

49	July 2007	London, UK	Summer Meeting of Neonatal Society, UK
50	August 2007	Mombasa, Kenya	Annual Scientific Conference Kenya, Paediatric Association
51	February 2008	University of Cape Town	Paediatric and Neurology Refresher Course
52	April 2008	Mombasa, Kenya	Annual Scientific Conference, Kenya Paediatric Association
53	July 2008	London, UK	Summer Meeting of Neonatal Society, UK
54	April 2009	Mombasa, Kenya	Annual Scientific Conference, Kenya Paediatric Association
54	Oct 2009	Philladelphia, USA	47 th Conference of Infectious Diseases Society of America
55	Nov 2009	Accra, Ghana	The African Science Academy Development Initiative/ American Academy of Sciences Scientific Conference on Maternal, Newborn and Child Health
56	July 2010	London, UK	The Summer Meeting of The Neonatal Society, UK
57	Aug 2010	Johannesburg, South Africa	International Paediatric Association Scientific Conference
58	July 2011	London, UK	The Summer Meeting of The Neonatal Society, UK
59	April 2012	Mombasa, Kenya	Annual Scientific Conference Of Kenya Paediatric Association

ABSTRACTS AND ORAL PAPERS PRESENTED AT CONFERENCES

	YEAR	PAPER PRESENTED	CONFERENCE
1.	1983	A prospective Epidemiological Study on Burns in Children Scientific Conference, Nairobi. At the coast General Hospital, Mombasa	The Kenya Paediatric Association
2.	1983	Some Clinical Aspects of Acute Childhood Diarrhoea at the Kenyatta National Hospital	The Kenya Paediatric Association Scientific Conference, Nairobi
3.	1983	Serum Electrolyte and Blood Urea Nitrogen in children suffering from Acute diarrhoeal at the Kenyatta National Hospital	The Annual Scientific Conference of the Association of Physicians East and Central Africa, Harare, Zimbabwe
4.	July 1984	Acute Diarrhoeal Disease in Childhood	Ministry of Health/UNICEF Workshop on "Issue in Health and Nutrition Development in Kenya Kisumu
5.	Dec. 1985	Electrolyte Pattern in Dehydration Due to Acute Diarrhoea in Children at the Kenyatta National Hospital (Poster)	The International Conference Oral Rehydration Therapy (ICORT) meeting Washington, D.C. USA
6.	June 1986	Family planning in Kenya	Conference on "Medical Care In Africa and China" at the Royal Society of Medicine, London.
7.	Nov. 1986	Pulse Oximetry in preterm infants	The Neonatal Society U.K. Autumn Meeting London.
8.	Nov. 1987	C-Reactive Protein in Neonatal	Royal Postgraduate Medical

		Infection	School London update course on “Rapid Diagnosis and New Treatments of Neonatal Infection”
9.	Apr. 1989	Ethical issues in the management of the critically ill and Malformed Neonates.	University of Nairobi/John Hopkins University Conference on Adolescent Perinatology. Mombasa, Kenya
10.	Apr 1989	The care of the Adolescent’s Newborn	University of Nairobi/John Hopkins University Conference on Adolescent Perionatology, Mombasa, Kenya
11.	May 1989	Possible effect of Theophylline Administration and Intracranial Scientific Conference, Abnormalities on the Protective Head Turning Reflex.	The Kenya Paediatric Association Nairobi, Kenya
12.	July 1989	C – Reactive Protein in Neonatal Infection	International Paediatric Association Scintific Conference Paris, France
13.	Sep. 1993	Intravenous immunoglobulin in the Prevention of Sepsis in Preterm Infants	The 2 nd Abbott Round Table Neonatal Conference, University of Stellenbosch, Cape Town, South Africa
14.	Mar 1994	Neonatal Sepsis: Diagnosis and Treatment	The Kenya Paediatric Association, Neonatology update Nairobi, Kenya
15.	Mar 1994	Ethical Issues in Neonatal care.	The Kenya Paediatric Association Neonatology update Nairobi, Kenya.
16.	Aug. 1995	Non Invasive Blood Gas Monitoring in the critically Ill Neonate	The 3 rd Abbott Round table Neonatal Conference, University of Durban,

Durban South Africa

- | | | | |
|-----|-------------|---|--|
| 17. | June 1996 | Neonatal Sepsis, Aetiology, Diagnosis and New Treatment. | The 2 nd world Congress on Paediatric Intensive Care
Erasmus University
Rotterdam, Holland |
| 18. | June 1996 | HIV infections (in Paediatrics). | The 2 nd World Congress on Paediatric Intensive Care,
Erasmus University
Rotterdam, Holland |
| 19. | May 1997 | Rapid Diagnosis of Neonatal Sepsis | The Kenya Paediatric Association. Scientific Conference. Nairobi |
| 20. | June 1997 | The Newer Childhood Vaccines. | The Uganda Paediatric Association
Scientific Conference,
Makerere
University Kampala, Uganda. |
| 21. | Nov 1999 | Management of Acute Childhood Diarrhoea: The Kenyan Situation | Expert Group on Diarrhoeal Diseases Management.
Manila, Philippines |
| 22. | April 2000 | Epidemiology of Hepatitis B in Africa | First International Hepatitis B Advisory Board Meeting
Atlanta, USA |
| 23. | July 2003 | Neonatal Sepsis. Current approach to diagnosis and treatment | One day symposium on Paediatric Infections
Aga Khan Hospital, Nairobi |
| 24. | August 2003 | Ethical issues in Neonatal Care | Kenya Paediatric Association Annual Scientific Conference,
Mombasa, Kenya. |

- | | | | |
|-----|----------------|--|---|
| 25. | September 2003 | Key speaker on: “Post Paediatric Training: The Kenyan Experience” | Royal College of Paediatric and Child Health (UK) Rhodes Trust meeting in Oxford University UK to Deliberate on “Paediatric Education for Capacity Building in Developing Countries.” |
| 26. | October 2003 | Improving adherence to antimalarial treatment regimes | Glaxo Smithkline workshop on “LAPDAP” antimalarial, Intercontinental Hotel Nairobi. |
| 27. | August 2 2004 | The role of Pre and Probiotics In health | Kenya Paediatric Assosiation CME/Nestlé Foods, Nairobi |
| 28. | August 5 2004 | Understanding immune responses to vaccines | Vaccine Preventable Childhood Diseases Symposium, Aga Khan Hospital Nairobi. |
| 29. | November 2004 | Neonatal Seizures | Kenya Paediatric Association. 6 th Annual Scientific Conference, Mombasa, Kenya. |
| 30. | May 2005 | Perinatal Asphyxia | Kenya Paediatric Association Newborn Symposium. Nairobi, Kenya. |
| 31. | June 2005 | Newborn Resuscitation | KEMRI/Wellcome Trust/ Royal College of Paediatrics and Child Heath – Paediatric Hospital Care – Clinical Evidence Week 6 th June 2005 |
| 32. | April 2006 | a) Seroprevalence of Hepatitis A In Children from Different Socio-economic Status in Kenya | Kenya Paediatric Association Scientific Conference, Mombasa |

	b) Perinatal Asphyxia: Pathogenesis, Pathophysiology, Management and Prevention	
	a) Management of Serious Hospital Acquired Infections	Kenya Paediatric Association CME
	b) Probiotics: Concepts and Use in Children	Nairobi
33. July 2006	Principles of Treatment of Neonatal Septicaemia	Gertrude's Hospital Seminar
34. March 2007	Medical Perspectives on the importance of Play in a Child's Growth and Development	UNICEF Seminar on "Play as an Integral Part of Learning" Nairobi
35. June 2007	Micronutrient Deficiency in Preterm Infants	Department of Defence Medical Seminar. Nairobi
36. Sep 2007	An Operational Evaluation of Introducing Training In Newborn Resuscitation for Staff At Pumwani Hospital, Nairobi	Royal Society of Tropical Medicine and Hygiene Centenary Scientific Meeting. London
37. April 2008	Tools for Developmental Assessment In Children	Annual Scientific Conference, Kenya Paediatric Association
38. April 2009	Management of Birth Asphyxia In Developing Countries	Annual Scientific Conference, Kenya Paediatric Association
39. Nov 2009	Improving Quality of Care of Low birth weight Babies in Sub-Saharan Africa	ASADI Conference Ghana
40. May 2010	Probiotics: Concepts and Use in Children	Paediatric Society of Tanzania

RESEARCH ACTIVITIES

TOPIC/ STATUS	FUNDING	YEAR
1. Choice of Different family Planning methods in a Rural hospital.	None	1978
2. Epidemiological Study on Burns in children at the Coast General Hospital, Mombasa.	None	1979
3. Clinical Aspects of Acute Childhood diarrhoea at the Kenyatta National Hospital	WHO/KEMRI/Dept. of Paediatrics, University of Nairobi.	1982
4. Aetiological agents of Acute childhood diarrhoea at the Kenyatta National Hospital	WHO/KEMRI/Dept. of Paediatrics, University of Nairobi.	1982
5. Serum Electrolyte and Blood Urea Nitrogen in children suffering from Acute Diarrhoea as seen at the Kenyatta National Hospital (Master of Medicine Paediatrics dissertation).	Department of Paediatrics University of Nairobi and KEMRI	1984
6. A comparison of the efficacy of Maize-Based ORS and the standard WHO ORS in the treatment of acute childhood Diarrhoea at the Kenyatta National Hospital.	WHO/KEMRI/Dept. of Paediatrics, University of Nairobi	1984
7. Management of Acute childhood Diarrhoea with ORS at the Kenyatta National Hospital.	WHO/Department of Paediatrics University of Nairobi.	1984
8. Coma as seen in Children admitted in the paediatric observation Ward,	Not funded	1983

Kenyatta National Hospital.

9. C – Reactive Protein in the Diagnosis of Neonatal Sepsis.	WHO/Royal Postgraduate Medical School, University of London.	1986
10. Non Invasive Blood Gas monitoring in preterm infants.	WHO/Royal Postgraduate Medical School, University of London	1986
11. Factors affecting the Neonatal Protective head turning response And other neonatal responses.	None	1987
12. Low cost methods of keeping preterm babies warm: The use of “Baby cloche”.	None	1990
13. The use of intravenous immunoglobins in the prevention of Neonatal Sepsis.	SANDOZ PHARMA	1992
14. Multi country study on the Prevention of perinatal and neonatal Morbidity and mortality in the East Central and Southern African Region.	Commonwealth Secretariat ARUSHA	1992
15. Local Experience with the Administration of Zidovuridine (ZDV) And single dose Nevirapine To pregnant mothers and their infants Less than 6 weeks old in the Reduction of vertical transmission HIV.	NONE	2000
16. Clinical Experience with the use of Racecadotril (“TIORFAN”) in Completed Acute Secretary Diarrhoea	Smithkline Beecham	2000
17. Seroprevalence of Hepatitis A in children from different socio economic status in selected countries: A multicentre study.	AVENTIS PASTEUR	2005

CURRENT AND PLANNED RESEARCH

1. NEWBORN AND UNDER FIVE RESEARCH GROUP

Members from: KEMRI/Wellcome Trust
University of Nairobi Department of Paediatrics and Child Health
Ministry of Medical Services

Focus of Research: Quality of care of newborns and acutely ill under five year old children at level 4/5 hospitals.
Implementation research for best practices with regard to newborn health and acutely ill under five year old at level 4/5 hospitals.

Status: Ongoing since 2003

Funding: Wellcome Trust UK

2. HEALTH SERVICES AND IMPLEMENTATION RESEARCH AND CLINICAL EXCELLENCE (SIRCLE)

Collaborating Institutions: KEMRI/Wellcome Trust
College of Health Sciences, University of Nairobi

- Department of Paediatrics and Child Health
- Department of Obstetrics and Gynaecology
- School of Pharmacy

Ministry of Medical Services

Focus of research: Improved maternal, neonatal and paediatric care at level 4/5 hospitals through:

- Better data collection and audit reports
- Implementation of evidence based best practices
- Capacity building through training junior researchers who will then strengthen staffing in the collaborating departments and form the Centres of Research Excellence (CoReS)

Funding: Consortium for National Health Research (CNHR) for a period of two and a half years.

Status: Research ongoing since 2011

3. MACRONUTRIENT COMPOSITION OF BREASTMILK FROM MOTHERS OF PRETERM BABIES IN SUB-SAHARAN ARFICA

Collaborators: Prof A Wasunna
 Department of Paediatrics and Child Health
 University of Nairobi
 Principal Investigator

Danone Research and Development Office
 France

Focus of Research: - To establish the progressive macronutrient composition of breast milk from mothers of preterm babies at the KNH Newborn Unit.
 - To relate this to the rate of growth of the preterm babies.
 - To use the information to inform a more rational fortification of breast milk for the very low birth weight preterm babies.

Status: Proposal development near completion

Funding: Danone Research and Development Office, France

POSTGRADUATE DISSERTATIONS SUPERVISED

	STUDENT	TITLE OF THE STUDY	DEGREE AWARDED	YEAR QUALIFIED
1	Kiros N. Makonnen	Neurological status of very low birth weight infants at six, nine and twelve months	MMed Paediatrics	1990
2	Awuor C Yuko	The prevalence and some clinical characteristics of bacterial infections in preterm neonates having respiratory distress at the Kenyatta National Hospital	MMed Paediatrics	1990
3	Anisa Bashir	The incidence of intracranial haemorrhage in low birth-weight infants at the Newborn Unit of Kenyatta National Hospital	MMed Paediatrics	1990

4	Olang P O R	The incidence of hypoglycaemia of the newborn associated with infusion fluids given pre-operatively before caesarean section	MMed Anaesthesiology	1991
5	Gacheri N Nyamu	Morbidity and mortality pattern in the neonatal period in the very low birth-weight infants at the Kenyatta Hospital Newborn Unit	MMed Paediatrics	1992
6	Khadija Mohammed	Risk factors related to morbidity and mortality of the low birth-weight neonates of adolescent mothers as compared to those of older mothers	MMed Paediatrics	1992
7	Christopher Maina	Mid-arm circumference and it's ratio to head circumference in newborns in Kenyatta National Hospital and Pumwani Maternity Hospital	MMed Paediatrics	1992
8.	Ian Kuburu Caro	Accuracy of Apgar scores assigned by health workers at the Kenyatta National Hospital And Pumwani Maternity Hospital, Nairobi Kenya	MMed Paediatrics	1992
9	Anisa Ahmed Omar	Influence of vitamin K ₁ on Thrombotest of the preterm neonates: A comparison between oral and parental therapy.	MMed Paediatrics	1992
10	Harrison Kihara Wandeto	Hypoglycaemia and Mid-Arm circumference/head circumference ratios in infants who join their mothers after delivery at Kenyatta National Hospital Paediatrics	MMed Paediatrics	1993
11	Donald P O Oyatsi	The incidence of rickets of Prematurity at the Kenyatta National Hospital, Nairobi	MMed Paediatrics	1995
12	P.A. Otieno	Growth and Development of Abandoned babies at Kenyatta National Hospital and some Children's Homes	MMed Paediatrics	1995
13	Nancy W. Wachira	Nasopharyngeal carriage and	MMed	1996

		antibiotics of streptococcus resistance pneumonia in children 2 months to 5 years of age seen at Kenyatta National Hospital	Paediatrics	
14	E.N.C. Nabakwe	The incidence of early neonatal hypocalcaemia in premature babies born at Kenyatta National Hospital and Pumwani Maternity Hospital	MMed Paediatrics	1996
15	Fana Ambaye	Anthropometric measures of live born Kenyan infants from gestational ages of 28 up to 42 weeks in some hospitals in Nairobi, Kenya	MMed Paediatrics	1997
16	Ahmed M.R. Laving	Neonatal Bacterial Meningitis at Kenyatta National Hospital	MMed Paediatrics	2000
17	B. Lusweti	Antibiotic treatment in preterm babies born before arrival (BBA) at Kenyatta National Hospital	MMed Paediatrics	2001
18	D. Nyilok	Prevalence and short term outcome of bacterial meningitis beyond the neonatal period	MMed Paediatrics	2001
19	I. Marete	Use of CRIB II Score as a predictor of neonatal mortality at the Kenyatta National Hospital	MMed Paediatrics	2004
20	J. Chumba	Evaluation of intravenous aminophylline formulation administered per rectum for the prevention of apnoea of prematurity at the Kenyatta National Hospital	MMed Paediatrics	2005
21	Virginia Muviku	Serum magnesium levels in neonates born to mothers who received magnesium sulphate during labour at the Kenyatta National Hospital	MMed Paediatrics	2009
22	Maswere Juma Rama	Factors influencing parents/guardians' participation in the care of their hospitalised under 5 years of age children at the Kenyatta National Hospital	MSc Nursing Sciences in Paediatrics	2009

		Paediatric Medical Wards		
23	Teresa Alwar	Newborn Resuscitation: Knowledge and practice among midwives in Kenyatta National Hospital Labour Ward and Maternity Theatre	MMed Paediatrics	2010
24	Jacqueline Narotso Oliwa	Factors determining access and utilisation of immunisation services in Kibera, Nairobi	MMed Paediatrics	2010
25	Janet Munyasa Isigi	Caretaker and health worker characteristics in high and low immunisation slum settlements in Nairobi	MMed Paediatrics	2011
26	Sam J Oula	Prevalence and patterns of herbal medicine use among children aged 0-12 years admitted to Kisii Level 5 Hospital	MMed Paediatrics	2011
27	Abdisalim Maalim	Outcome of term newborn babies admitted with perinatal asphyxia in Kenyatta National Hospital – New Born Unit	MMed Paediatrics	2011

ONGOING DISSERTATIONS BEING SUPERVISED

1	John Baptiste Nkurunga	Pattern of admission, care and outcome of neonates managed in the NICU, KNH	MMed Paediatrics	2012
2	Edah Njuguna	Prevalence of stunting in patients on treatment for nephritic syndrome at KNH Renal Unit	MMed Paediatrics	2012
3	Dorothy Mbugua	Bacterial pattern and outcome of neonatal necrotising enterocolitis at the Kenyatta National Hospital Newborn Unit	MMed Paediatrics	2012
4	Angeline W. Ithondeka	Prevalence, distribution and care of low birth weight babies at Naivasha District Hospital	MMed Paediatrics	2013
5	Sofia C. Mwinyishee	An audit on the missed diagnosis of malnutrition in children aged 6 to 59 months attending care at	MMed Paediatrics	2013

		Mbagathi District Hospital		
6	John Fondo	The outcome of severely malnourished children aged 6 to 59 months at Mbagathi District Hospital	MMed Paediatrics	2013
7	Zachayo Wanjohi Kimunya	Prevalence of undescended testis in children aged 6 months to 12 years visiting the paediatric filter clinic at KNH	MMed Paediatrics	2013

BOOKS/MONOGRAMS

1. Guidelines For the Management of Acute Diarrhoea at Kenyatta National Hospital: A manual for Doctors, Medical Students and Other Health Workers. 1985
2. Chapter on “Tetanus” in Immunization Manual for Medical Students and Physicians, KEPI, Kenya.
Eds: Mbori – Ngacha D.A., Sang RKA, Onyango F.E., Muite DM and Wilson M.C. 1991 pg. 88-96.
3. Chapter on “Neonatal Care and Conditions” in Clinical Guidelines for Diagnosis and Treatment of common Hospital Conditions in Kenya – Ministry of Health (Kenya). And Quick J.D. 1994 Pg. 130-142.
4. Chapters co-authored in “Primary Health Care: A manual for Medical Students and Health Workers” Edited by Prof Kopano Mukelebai, Prof Nimrod Odundo Bwibo, Prof Rachel N. Musoke. Third Editon, 2010

Chapter 2: Care of Newborn

Rachel Musoke, Mary Shillalukey Ngoma, **Aggrey Wasunna**

Chapter3: Infant and Young Child Feeding (IYCF)

Rachel Musoke, Ruth Nduati, **Aggrey Wasunna**

Chapter 6: Growth Monitoring and Promotion During Early Childhood

Daniel Njai, Rachel Musoke, Ruth Nduati, **Aggrey Wasunna**

PUBLICATIONS/PAPERS

1. **Wasunna A.**
Choice of Different Family Planning Methods in a Rural Hospital – a Retrospective Study. Nairobi J. Med. (1978) 10:15
2. **Wasunna A.**
A prospective Epidemiological Study on Burns in Children at the Coast General Hospital, Mombasa
Proceedings of the Kenya Paediatric Association Scientific Seminar, 1983.
3. **Wasunna A.** Kinoti S.N., Turkish V.J.
Some Clinical Aspects of Acute Childhood Diarrhoea at the Kenyatta National Hospital. Proceedings of the Kenya Paediatric Association Scientific Seminar, 1983.
4. **Wasunna A.**
Serum Electrolyte and Blood Urea Nitrogen in children suffering from Acute Diarrhoea as seen at the Kenyatta National Hospital. M. Med (Paediatric) Thesis, University of Nairobi 1984.
5. Turkish V.J., Kinoti S.N., **Wasunna A.** and Maggwa A.B.N.
Aetiological Agents of Acute Childhood Diarrhoea in Kenyatta National Hospital. Proceedings of the KEMRI/KETRI Annual Scientific Conference 1984.
6. Jitta J.N.S., Wafula E.M. and **Wasunna A.**
The Comatose Child in Paediatric Observation Ward of Kenyatta National Hospital, Nairobi, Kenya.
E. Afr. Med. J. (1984) 61: 917-24.
7. Kinoti s.N., Maggwa A.B.N. Turkish V.J. and **Wasunna A.**
Management of Acute Childhood Diarrhoea with Oral Rehydration Therapy at Kenyatta National Hospital, Nairobi, Kenya.
E. Afr. Med. J. (1985) 62: 5 - 11
8. **Wasunna A.**
Family Planning in Kenya.
Proceedings of the Royal Society of Medicine Seminar on “Medical Care in Africa and China” London 1986.
9. Kinoti S.N., **Wasunna A.**, Turkish J., Gatere R., Desai M. Agwanda R. and Juma R.
A comparison of Efficacy of Maize-based ORS and standard WHO ORS in Treatment of Acute Childhood diarrhoea at Kenyatta National Hospital, Nairobi, Kenya: Results of a Pilot study. E. Afr. Med. J. (1986) 63: 168-74.
10. **Wasunna A.** and Whitelaw A.G.L. Pulse Oximetry in Preterm Infants.

- Arch Dis Child. (1987) 62:957-8.
11. **Wasunna A.**
The care of the Adolescent's Newborn. Proceedings of the Seminar on Adolescent Perinatal Medicine, Mombasa, 1989.
 12. **Wasunna A.**, Whitelaw A.G.L., Gallimore R., Hwakins P.N. and Pepys M.B.,
C-reactive protein and Bacterial Infection in Preterm Infants. Eur. J. Pediatrics. (1990) 149: 424-27.
 13. **Wasunna A.**
Editorial: Diarrhoeal Diseases in Preterm Neonates
E. Afr. Med. J. (1990) 67:221-222
 14. Brady J.P., **Wasunna A. O.**, Bowker M.H., and Musoke R.N.,
Does the "Baby Cloche" Heat Shield Keep Low Birthweight Infants Warm?
E. Afr. Med. J. (1992) 69:37-39.
 15. **Wasunna A.**
Intravenous Immunoglobulin in the Prevention of Sepsis in Preterm Infants.
African Clinician (1993) 15: 4-7
 16. Oyatsi D.P.O, Musoke R.N. and **Wasunna A.O**
Incidence of Rickets of Prematurity at Kenyatta National Hospital, Nairobi. E. Afr. Med. J (1999) 76:63-66
 17. Otieno P.A., Nduati R.W., Musoke R.N. and **Wasunna A.**
Growth and Development of Abandoned Babies in Institutional care in Nairobi. E. Afr. Med. J (1999) 76:430-435
 18. **Wasunna A.**
Editorial: Contribution of vaccinations towards reducing morbidity and mortality among children in developing countries E. Afr Med. J. (2003) 80: 1-2 .
 19. **Wasunna A.**
Effects of Theophylline administration and intracranial abnormalities on protective head turning response in preterm infants. E. Afr. Med. Journal (2003) 80:204-206.
 20. Laving AMR, Musoke RN, **Wasunna A O** and Revathi G
Neonatal bacterial meningitis at the newborn Unit of Kenyatta National Hospital.
E. Afr. Med. Journal (2003) 80:456-462.
 21. English M, Esamai F, **Wasunna A**, Were F, Ogutu B, Wamae A and Snow RW.
Assessment of inpatient Paediatric Care in first referral level hospitals in 13 districts in Kenya
Lancet (2004) 363: 1948- 1953

22. Were F N, Lusweti B N, Musoke R N and **Wasunna A O**
Is Delivery Outside Hospital a Risk For Development Of Early Onset Neonatal Sepsis in
Premature Infants
Obstet Gynaecol Eastern Central Africa (2004) 17: 19-24
23. English M, Esamai F, **Wasunna A**, Were F, Ogutu B, Wamae A and Snow RW and
Peshu N
Delivery of Paediatric Care at the first referral level in Kenya
Lancet October (2004) 364:1622-29
24. Sekela Mwakyusa, Anna Wamae, **Aggrey Wasunna**, Fred Were, Fabian Esamai,
Benhards Ogutu, Assumpta Muriithi, Norbert Peshu and Mike English
Implementation of a Structured Paediatric Admission Record for District Hospitals in
Kenya – Results of a Pilot Study
Biomedical Central International Health and Human Rights (2006) 6: 1-9
25. Mike English, Grace Irimu, Anna Wamae, Fred Were, **Aggrey Wasunna**, Greg Fegan
and Norbert Peshu
Health Systems Research In Low Income Country: Easier Said Than Done
Arch Dis Child (2008) 93(6): 540-544
26. Grace Irimu, Annah Wamae, **Aggrey Wasunna**, Fred Were, Stephen Ntoburi, Newton
Opiyo, Philip Ayieko, Norbert Peshu and Mike English
Developing and introducing evidence based clinical practice guidelines for serious
illness in Kenya
Arch Dis Child (2008) 93:799 – 804
27. Opiyo N, Were F, Govedi F, Fegan G, **Wasunna A** and Mike English
Effect of Newborn Resuscitation Training on Heath Worker Practices in Pumwani
Hospital, Kenya
PLos One Feb (2008) 3(2): e 1599
28. Adrian Gituma, Moses Masika, Eric Muchangi, Lily Nyaga, Vincent Otieno,
Grace Irimu, **Aggrey Wasunna**, Moses Ndiritu and Mike English
Access, Sources and Value of New Medical Information – Views of Final Year
Medical Students at The University of Nairobi
Trop Med Int Health (2009) 14(1): 118-122
29. Charles Opondo, Stephen Ntoburi, John Wagai, Jackline Wafula, **Aggrey Wasunna**,
Fred Were, Annah Wamae, Santau Migiro, Grace Irimu and Mike English
Are Hospitals Prepared to Support Newborn Survival? – An Evaluation of Eight
First-referral Level Hospitals in Kenya
Trop Med Int. Health October (2009) 14(10): 1165 – 1172
30. Philip Ayieko, Stephen Ntoburi, John Wagai, Charles Opondo, Newton Opiyo, Santau

Migiro, Annah Wamae, Wycliffe Mogo, Fred Were, **Aggrey Wasunna**, Greg Fegan, Grace Irimu and Mike English
A Multifaceted Intervention to Implement Guidelines and Improve Admission Paediatric Care in Kenyan District Hospitals: A Cluster Randomised Trial
PLoS Medicine April (2011) 8(4): e10001018

31. David Gathara, Newton Opiyo, John Wagai, Stephen Ntoburi, Philip Ayieko, Charles Opondo, Annah Wamae, Santau Migiro, Wycliffe Mogo, **Aggrey Wasunna**, Fred Were, Grace Irimu and Mike English
Quality of Hospital Care for Sick Newborns and Severely Malnourished Children in Kenya: A Two-Year Descriptive Study in 8 Hospitals
BMC Health Services Research (2011) 11: 307
<http://www.biomedcentral.com/1472-6963/11/307>

32. I. K. Marete, A. O. Wasunna and P. A. Otieno
Clinical Risk Index For Babies {CRIB} II Score As A Predictor Of Neonatal Mortality Among Low Birth Weight Babies At Kenyatta National Hospital
(Accepted for publication in the East African Medical Journal)

REFEREES:

1. Prof Nimrod O. Bwibo
Professor of Paediatrics
Department of Paediatrics and Child Health
School of Medicine
College of Health Sciences
University of Nairobi
P O BOX 19676-00202
NAIROBI

2. Prof S. M. Bhatt
Professor of Medicine
Department of Clinical Medicine and Therapeutics
School of Medicine
College of Health Sciences
University of Nairobi
P O BOX 19676-00202
NAIROBI

3. Prof K. M. Bhatt
Professor of Medicine
Department of Clinical Medicine and Therapeutics
School of Medicine
College of Health Sciences
University of Nairobi
P O BOX 19676-00202
NAIROBI