

CURRICULUM VITAE

Name	Current Position
PROF. JAMES MACHOKI M'IMUNYA P.O. Box 9919, Nairobi - 00100, KENYA . Tele: +254 722 424 174 or +242 20 232 3420 Tele/Fax: +254 20 271 6177 E-mail: mmachoki@uonbi.ac.ke	Deputy Director, University of Nairobi Institute of Tropical and Infectious Diseases, Kenya; Senior Lecturer, Department of Obstetrics and Gynecology, University of Nairobi, Kenya; and Consultant Obstetrician and Gynecologist, Kenyatta National Hospital, Nairobi, Kenya.

1: EDUCATION & TRAINING BACKGROUND

INSTITUTION AND LOCATION	DEGREE or FELLOWSHIP or CERTIFICATE	DURATION	FIELD OF STUDY
South African Cochrane Centre, South Africa	Cochrane author and reviewer	2006-2011 (Distributed)	Science of Research Synthesis (<i>Systematic Review for Cochrane Collaboration Reviewers</i>)
University of Nairobi, Kenya	Certificate	August 2008	Advanced Research Methodology Course
University of Nairobi, Kenya	Certificate	August 2007	Multivariate data analysis using STATA software
Harvard Medical School, USA	Fellowship	1997- 1999 (Distributed)	Medical Anthropology
Tel Aviv University, Israel	Certificate	1997	Reproductive Endocrinology/IVF-ET and Andrology
Elena Venizelou University, Greece	Certificate	1996	Reproductive Endocrinology and Andrology
JHPIEGO – Affiliate of Johns Hopkins University, USA.	Master Trainer	1994 -2005 (Distributed)	Training and Teaching Skills, including curriculum development and review
University of Nairobi, Kenya	Master of Medicine	1985-1989	Master of Medicine in Obstetrics & Gynecology
University of Nairobi, Kenya	MB.ChB	1977-1982	Doctor of Medicine & Surgery

2: CAREER SUMMARY

Deputy Director, University of Nairobi Institute of Tropical and Infectious Diseases (UNITID), Senior Lecturer, Department of Obstetrics & Gynecology, University of Nairobi and Honorary Consultant Obstetrician and Gynecologist, Kenyatta National Hospital. At UNITID I am in-charge of Research, Training and Community Service Programmes. At the institute we have a chain of seven (7) fully equipped and functional modern standard research laboratories: Molecular, Flow Cytometry, Serology, Bacteriology, Functional Immunology, Biochemistry and Tuberculosis; and two (2) level 3 bio-containment laboratories; one of them is for retro-virology that handles research and diagnosis of various infectious diseases, including HIV/AIDS. The other is an enhanced level three (3) Emerging Pathogen (EP) laboratory, designed to perform diagnostics for hemorrhagic fever viruses, such as Rift Valley fever, Yellow fever, Marburg and Ebola. Training programmes include Master of Science in Tropical and Infectious Diseases, Master of Science in Medical Statistics, and

Post Graduate Diploma in Research Methodology among others. In collaboration with local and international institutions, the Institute is increasingly becoming a leader in HIV, Sexually Transmitted Infections, Malaria, Tuberculosis and Neglected Tropical Diseases research in Kenya and the region.

As a consultant/Chief Medical Specialist in the Division of Obstetrics & Gynecology, Kenyatta National Teaching and Referral Hospital, participates in clinical care of patients at all levels of Reproductive Health illnesses. This provides the opportunity for me to provide clinical care training to both undergraduate and postgraduate students in the Department of Obstetrics & Gynecology, whom I also mentor, give lectures and supervise as they carry out their research work.

As a certified Master Trainer, I have a wide experience in training and teaching skills; including curriculum development and review; programs evaluation; and training materials development.

With the knowledge, skills and experience in systematic reviews, I have the capacity to effectively guide students during discussions on critical appraisal of literature and also on best evidence to inform policy formulations and clinical guidelines and practice.

Currently I am also involved in two related grants that are supporting University to build capacity in Research/Programs Grants writing and administration.

3: RELEVANT PROFESSIONAL EXPERIENCE

3.1: Clinical Care:

- (i) **1994 to-date:** Consultant Obstetrician & Gynecologist, Kenyatta National Teaching and Referral Hospital, involved in clinical care of patients and training of both undergraduate and postgraduate students; and also participates in various management committees of the hospital.
- (ii) **2000 - 2005:** Clinical Meetings Coordinator for the Division of Obstetrics and Gynecology, Kenyatta National Teaching and Referral Hospital. During this period, I organized over 50 clinical meetings. Key speakers were prominent scientists from both local and international institutions.
- (iii) **1990-1993:** Specialist Obstetrician and Gynaecologist: Kenyatta National Hospital, Nairobi, Kenya.
- (iv) **1985-1989:** Senior House Officer in the Division of Obstetrics & Gynecology, Kenyatta National Hospital, Nairobi, Kenya.
- (v) **1983-1984:** Medical Officer, Ministry of Health, Kericho District Hospital, Kericho, Kenya.
- (vi) **1982-1983:** Internship, Nakuru Provincial General Hospital, Nakuru, Kenya.

3.2: Teaching & Training: (Faculty at the University of Nairobi: **1994 to-date**):

3.2.1: Deputy Director/Senior Lecturer, University of Nairobi Institute of Tropical and Infectious Diseases (UNITID): Teach, mentor, and supervise postgraduate students. I also coordinate all the training programmes.

3.2.2: Lecturer/Senior Lecturer, Department of Obstetrics and Gynaecology, University of Nairobi: Teach, mentor and supervise undergraduate and postgraduate students in Obstetrics and Gynaecology.

3.2.3: Curriculum Development and Review: Participated in the development & review of the following:

- (i) Undergraduate curriculum in Obstetrics and Gynaecology, MB.Ch.B degree program, University of Nairobi.
- (ii) Postgraduate curriculum in Obstetrics and Gynaecology, M.Med (Obstetrics and Gynaecology) program, University of Nairobi.
- (iii) Postgraduate curriculum in Research Methodology, Diploma (Research Methodology) program, University of Nairobi

- (iv) Postgraduate curriculum in Tropical and Infectious Diseases, M.Sc.(in Tropical and Infectious Diseases) program, University of Nairobi.
- (v) Postgraduate curriculum in Medical Statistics, M.Sc. (Medical Statistics) program, University of Nairobi.
- (vi) Postgraduate Curriculum in Master of Medicine (Obstetrics and Gynaecology) program, Aga Khan University, Nairobi, Kenya: As a consultant for the Commission for Higher Education, Kenya.
- (vii) National Curriculum: HIV Counselling and Testing in Clinical Settings, Ministry of Health, Kenya.
- (viii) International Curriculum: Supervising HIV & AIDS Services, Centre for African Studies (CAFS), and JHPIEGO, an affiliate of Johns Hopkins University, USA.

2.2.4: As HIV & AIDS Project manager at the UNITID, have organized and facilitated several short courses/workshops:

- (i) Rational use of ARV drugs in HIV & AIDS care treatment course for physicians and nurses.
- (ii) PMTCT course for Physicians and nurses.
- (iii) Laboratory course for Physicians and Laboratory Technologists & in support of ART Services.
- (iv) Pharmaceutical Information & Data Management course in support of ART Programs.
- (v) Comprehensive ART Commodity Management course.
- (vi) Pharmaceutical Care for HIV & AIDS services course for pharmacists and Physicians working in ART programs.
- (vii) Health Management Information System (HMIS) course in support of ART programs.
- (viii) Antiretroviral therapy Adherence Counseling
- (ix) Adult Antiretroviral drugs therapy
- (x) Provider Initiated Counseling and Testing

3.2.5: Other Short courses/workshops I have coordinated/Facilitated:

- (i) Multivariate data analysis using STATA software (At UNITID – Six to date)
- (ii) Meeting Millennium Development Goals (MDGs): Progress & Challenges: Parliamentarians and other leaders Policy Briefing Workshop
- (iii) Optimizing the use of Syndromic Approach for STI Management and Prevention in Resource Poor Settings

2.2.6: Training Symposia & Continuing Medical Education Sessions for Continuing Professional Development of clinicians and nurses – have organized the following:

- (i) Overview: Challenges of managing HIV & AIDS in low resource settings with special reference to Kenya.
- (ii) Update: ARV adverse reactions in HIV infection management.
- (iii) Overview: Drugs sequencing in HIV & AIDS: Resistance and Toxicity considerations

2.2.7: Facilitator – have facilitated in the following short courses/workshops:

- (i) Meeting Millennium Development Goals (MDGs): Progress & Challenges: Parliamentarians and other leaders Policy Briefing Workshops.
- (ii) Optimizing the use of Syndromic Approach for STI Management and Prevention in Resource Poor Settings.

2.2.8: As Clinical Meetings Coordinator/Continuing Medical Education (CME) and Professional Development Convener for the Division of Obstetrics and Gynecology, Kenyatta National Teaching and Referral Hospital: Organized and facilitated 45 clinical meetings on recent advances in various topical health issues in reproductive health. Speakers were prominent researchers and scientists from both local and international institutions. (See table below):

	<i>TOPIC DISCUSSED</i>	<i>DATE</i>	<i>DISCUSSANTS</i>	<i>PRESENTER</i>
1	Sickle Cell Disease in Pregnancy	07-07-00	Dr. Mwanda W. & Dr. Oyieke J.B.	Dr.Konya
2	Choriocarcinoma	28-07-00	Dr. Njuguna E. & Dr. Omondi Ogutu	Dr. Lubano
3	Diabetes In Pregnancy	15-09-00	Dr. Paul Ngugi & Dr. Koigi Kamau	Dr. S. Thenya
4	Infertility	29-09-00	Dr. Craig Cohen & Dr. Wanjala S.	Dr. Kinyua
5	Cardiac Disease in Pregnancy	03-11-00	Dr. Mark Joshi & Dr. Njoroge W.	Dr. Jahonga
6	Management of Anovulatory Cycles	26-01-01	Prof. Dourousseau W. P. from USA	
7	Clinical Management of Gynecological Cancers	25-05-01	Dr. Gichangi Peter: Lecturer, Department of Obs-Gyne, UoN.	
8	Clinical Management of Gynecological Cancers	25-05-01	Dr. Gichangi Peter: Lecturer, Department of Obs-Gyne, UoN.	
9	Eclampsia	21/12/01	Dr. Ngotho D.W from South Africa	Dr. Ngatia J.W
10	HIV/AIDS in pregnancy	08-03-02	Prof. Musoke R. & Dr. Omondi O.	Dr. Obura I.
11	Uterine Fibroids & Pregnancy (Sponsor Lords Healthcare Ltd)	10-05-02	Dr. David Ouyang from Harvard Medical School	
12	Anemia In Pregnancy	24-05-02	Dr. Mwanda W. & Dr. Karanja J.	Dr. Mbogo J. A.
13	Understanding Endometriosis	14-06-02	Dr. Ann E. Bryant from Harvard Medical School	
14	Cardiac Disease in Pregnancy	09-08-02	Prof Elijah S. N. Ogola	Dr. Karanja D.
15	DVT in Pregnancy	16-08-02	Dr. Mwanda W. & Dr. Njoroge W.	Dr. Orina
16	HIV in Pregnancy	04-10-02	Dr. Ngacha & Dr. Omondi Ogutu	Dr. Ong'echi
17	PRE-ECLAMPSIA	18-10-02	Dr. Karanja J. G.	DR. Gachoki A.
18	PROM	01-11-02	Dr. Tekle G. E	Dr. Odula C.
19	VVF(Sponsor) Emcure C/O Syner-Med Pharmaceuticals (K) Ltd.	29-11-02	Dr. Khisa W	Dr. Mabeya
20	Evidence Based Medicine	07/03/03	Dr. Harshard Sanghvi	
21	Management of Enterocoles	21-03-03	Dr. Karolynn Echols: (Female Pelvic Reconstructive Surgeon: Louisiana-USA)	
22	Genuine Stress/Urinary Incontinence: (Current Clinical Recommendations)	11-04-03	Dr. Karolynn Echols: (Female Pelvic Reconstructive Surgeon: Louisiana-USA)	
23	Safe Motherhood	06-06-03	Dr. Karanja J.G. (Senior Lecturer & Consultant Obstetrician & Gynecologist).	
24	Update HIV in Pregnancy	22-08-03	Dr. Omondi Ogutu. (CMS – KNH)	Dr. Elizabeth Juma
25	Ethical Dilemmas and Medical legal issues in Obstetrics and Gynecology	26-09-03	Dr. JBO Oyieke and Dr. JG Karanja	
26	PROM	24-10-03	Dr. P. Ndavi	Dr. S. Maina
27	Up-Date on KNH PMCT Program	19-12-03	Dr. Kiarie JN and Dr. Ong'echi JO	
28	Focused Antenatal Care	05-03-04	Dr. James Bill Oyieke	

29	Role of Progestogens in the Management of Early Pregnancy Loss	28-05-04	Dr. Omondi Ogutu	
30	Adopting Practical Diagnostic Criteria & Management Protocols that enhance outcome for women with PCOS	04-06-04	Prof. Christine C Kigundu and Dr. Wasike CG	
31	Management of pre-malignant lesions of the cervix	30/7/04	Prof. Ojwang S.B.O Dr. Gichangi P.	Dr. Mbogo J.A
32	Management of Nausea & Vomiting in pregnancy	27/08/04	Dr. Murage M. Mr. Subramanian D.	-Ditto-
33	PMCT Updates KESHO BORA	29/04/05	Dr. James Kiarie, Dr. John Onge'ch, Prof. Ruth Nduati.	-Ditto-
34	Overview: Maternal Mortality & Morbidity	13/05/05	Dr. Ndavi P. & Dr. Jaldesa	-Ditto-
35	Abnormal Uterine Bleeding	22/7/05	Dr. W. Khisa, Dr. F. X. O Odawa, Dr. Gachuna Onesmas	-Ditto-
36	Current Trends in the management of Fibroids and Endometriosis	19/08/05	Dr. E. Sequeria	-Ditto-
37	Recent Advances in HIV/AIDS Care & Treatment	09/09/05	Dr. Kiarie JN, Dr. Ong'echi JO and Dr. Kinuthia J.	-Ditto-
38	The Clump Cut	27/01/06	Dr. Knud Jensen, Dr. Qureshi Z. & Dr. Odawa FXO	-Ditto-
39	Latest Advances in Antiretroviral Therapy	24/03/06	Dr. Anzala O. & Dr. Omonge E.	-Ditto-
40	Evidence Based Management of Postpartum Hemorrhage	24/04/06	Prof. Karanja J.G, Dr. Qureshi Z.	-Ditto-
41	Medical and Surgical Management of Uterine Fibroids	28-07-2006	Dr. Omondi Ogutu	
42	Women's Sexual and Reproductive Health Rights: The past, The present, and The future.	12-01-2007	Prof. Jerker Liljetrand: FIGO Reproductive Health Expert	
43	Cervical Cancer: Epidemiology, HPV Oncogenicity and Global Prevention using HPV Vaccine	26-01-2007	Prof. J.S. Smith, University of North Carolina, USA,	
44	Standard Operating Procedures: Incomplete Abortions and APH	15-06-2007	Drs. Frank Kagema, James N. Kiarie, and Njoroge Waitthaka	
45	Cervical Cancer: Recent advances in Treatment and Newer Modalities of Treatment	21-11-2007	Prof. Antony Falcones; Senior Assistant, President of Royal College of Obstetricians and Gynecologists	

3.3: Research:

3.3.1: Published in local and international journals as shown under # 4.0 below:

3.3.2: 2009 to-date: Peer Reviewer for Journal of Obstetrics & Gynecology for East and Central Africa – An International Journal from June 2003 to-date. Notable paper I have reviewed: Female Genital Mutilation and Unnecessary Intervention in Labor in Ethiopia by Khaled MA, Ameen J, Marie Coll A and Sultan H.

3.3.3: 2004 to-date: Member: Kenyatta National Hospital-University of Nairobi Research Ethics Review Committee, where I have reviewed over 100 research proposals of both Biomedical and Behavioral nature.

3.3.4: 1998 to-date: Together with one or two other faculty colleagues, we have successfully supervised 38 Master's and Diploma level Research Dissertations/Projects to completion and one Ph.D currently ongoing. These are:

- (i) Dr. Tekle Gebre. (1998)**
- (a) A Randomized Clinical Trial to evaluate Pain Relief using Para-cervical Block with Lignocaine 1 % in women undergoing Evacuation by Manual Vacuum Aspiration (MVA), at Marie Stopes Health Center, Nairobi, Kenya, between 1st Sept.1997 and Oct. 31st 1997.
 - (b) A Retrospective analysis of Caesarean Section, Incidence, Indications and Complications at the Coast Provincial General Hospital, Mombasa, Kenya, between 1st January 1996 and December 31st 1996.
- (ii) Dr. Ruku Oyaku. (1998)**
- (a) Characteristics of Pregnant Mothers referred to the Antenatal Clinic at Pumwani Maternity Hospital, Nairobi, Kenya.
 - (b) Knowledge, Attitude and Practice on Climacteric and Menopause among the Primary School Teachers in Nairobi, Kenya.
- (iii) Dr. Odawa Francis X.O. (1999)**
- (a) To determine the Prevalence of Postmenopausal Osteoporosis in Kenyan Women.
 - (b) Evaluation of relationship between the length from the Symphysis Pubis to the Umbilicus (SUL), and Maternal Height with Labour Outcome.
- (iv) Dr. Francis M. Mwangi. (1999)**
- (a) A comparative Study on Menstrual Symptoms and Disorders in Women infected by the Human Immuno Deficiency Virus (HIV) and HIV Sero-Negative at Risk Women.
 - (b) Low Birth Weight (LBW), in a rural Hospital in Kenya: Nazareth Mission Hospital.
- (v) Dr. Mathias Aketch. (2000)**
- (a) Determination of age at the first Ovulation, onset of Coitus and Knowledge of Female Reproduction Biology among Adolescent Girls in Homabay District.
 - (b) Profile of Mothers who gave birth to babies with congenital abnormalities in Kenyatta National Hospital.
- (vi) Dr. Jackton Omoto. (2000)**
- (a) Specificity and Sensitivity of diagnosis of Acute Gynaecological Illnesses.
 - (b) PICA in A Rural Obstetric Population in Western Kenya.
- (vii) Dr. Samson Minor. (2001)**
- (a) Assessment of the Magnitude of Anemia in Pregnancy among Maasai Women in Western Rift Valley with its possible causes and Risk Factors.
 - (b) Risk Factors and Seasonal Patterns of Ectopic Pregnancies at Kenyatta National Hospital.
- (viii) Dr. Wanyoro K. Anthony. (2001)**
- (a) To determine the Morbidity Pattern amongst Patients Presenting with Incomplete Abortion at Kenyatta National Hospital.
 - (b) To determine the Outcome of Labour amongst Booked and Unbooked Parturients in Kenyatta National Hospital.
- (ix) Dr. On'gech John. (2002)**
- (a) Knowledge, Attitude and Practice on Perinatal HIV Transmission and Preventive Measures among Antenatal Mothers at Kenyatta National Hospital.
 - (b) Post-Abortion Counseling and Services at Kenyatta National Hospital.

- (x) Dr. Kigen Bartilol. (2002)**
- (a) Knowledge, Attitude and Practice of Safe Motherhood among women attending Antenatal Clinic in a Rural District in Kenya - Narok District.
 - (b) Prevalence of Abnormal Cervical Cytology among Women in a Rural Kenyan Population – Narok District.
- (xi) Dr. Angela M. Muliro. (2003)**
- (a) Determinants of Induced Abortion in Women seen at the Kenyatta National Hospital, Nairobi; a comparative study.
 - (b) Human Immunodeficiency Virus-1 Sero-Prevalence among clients in the Antenatal Clinic in Kitale District Hospital, and Attitudes of their Male partners towards HIV screening.
- (xii) Dr. Endere Frank K. (2004)**
- (a) The magnitude of post-term pregnancy, possible causes and fetal-maternal outcome at St. Mary's Mission Hospital, Nairobi.
 - (b) Comparison of the Clinical and Histological diagnosis of Adnexial Masses at Kenyatta National, Nairobi, Kenya.
- (xiii) Dr. Karanja J.K. (2005)**
- (a) A review of the Maternal and Perinatal outcomes of pregnancy complicated by Hypertensive disease at Kenyatta National Hospital, Nairobi, Kenya.
 - (b) To determine Family Planning Clients awareness of the risks of HIV infection and its impact on Contraceptive method Choice at Kenyatta National Hospital, Nairobi, Kenya.
- (xiv) Dr. Kariuki Githinji J. (2007)**
- Fertility level and Pregnancy outcomes of epileptic women attending neurology clinic at the Kenyatta National Hospital.
- (xv) Dr. Florence Mutua (2007)**
- Species distribution and antifungal sensitivity patterns of vaginal yeasts at the Aga Khan University Hospital, Nairobi, Kenya.
- (xvi) Dr. Dan Odhiambo Okoro (2008)**
- Comparative evaluation of sexual practice patterns according to sero-status of pregnant women at Kenyatta National Hospital and Pumwani Maternity Hospital, Nairobi
- (xvii) Dr. Wamalwa DI (2009)**
- Evaluation of Erectile Dysfunction among bicycle Taxi riders (Boda Boda) in Bungama Town.
- (xviii) Dr. Owiti Maureen Janet (2009)**
- Describing the causes of Near-Miss Maternal Morbidity and Mortality at Kenyatta National Hospital, Nairobi, Kenya
- (xix) Dr. Winfred Wangui Mwani (2010)**
- Utility of an Algorithm of Total Lymphocyte Count, Hemoglobin Level, Body Mass Index and WHO Clinical Staging as Surrogate Markers for CD4 Count to Determine the Eligibility for HAART Among HIV Infected Antepartum Women in AMPATH.
- (xx) Dr. Omondi Ogutu (2010) (PG-DRM)**
- Parental Acceptances of Human Papilloma Virus Vaccine for their Pre-pubertal and Teenage Daughters.

(xxi) Dr. Florence Akinyi Achungo (2010) (MSC-TID)

- Assessment of Knowledge, Attitude and Practices on Luo Male Child Circumcision Among Parents/ Guardians in Bondo District

(xxii) Dr. Merab Pamela Odero (2010) (PG-DRM)

- The Magnitude and Nature of Domestic Violence Against Women Related to Partner Notification of HIV Test Outcome in Suba District, Kenya

(xxiii) Dr. P. W. Kamau (2011)

- Sero-epidemiology of Toxoplasma Gondii in Antenatal Women Attending Kenyatta National Hospital.

(xxiv) Dr. Masiga M.A (2011) (PG-DRM)

- Prevalence of Dental Caries and Oral Health Practices among HIV-Infected Children at Kenyatta National Hospital

(xxv) Dr. Evelyn Ndunge Nicholas (2011) (MSC-TID)

- Factors Influencing Adherence to Postnatal PMTCT Among HIV Positive Mothers in KHN

3.3.5: Supervision of ongoing Masters and Postgraduate Diploma Research Projects: Currently total of five (5) number

3.3.6: 2010: One of the International contributors to the Global Stillbirth Survey involving close to 200 countries of the study. The two papers I contributed are:

- Stillbirths: how can health systems deliver for mothers and babies? (The Lancet, Early Online Publication, 14 April 2011): doi:10.1016/S0140-6736(10)62306-9
- Stillbirths: what difference can we make and at what cost? (The Lancet, Early Online Publication, 14 April 2011): doi:10.1016/S0140-6736(10)62269-6

3.3.7: 2006-2008: As the team leader, conducted a National survey: Assessment of the Magnitude, Causes, Management and Impact of Infertility in Kenya.

3.3.8: 2004 to 2008: Project Manager for the University of Nairobi HIV & AIDS Prevention, Care, Treatment, and Support Project, PEPFAR funded; at the University Health Services and University Research and Training sites.

3.3.9: 2004 - 2007: As the Country Coordinator/Temporary Adviser for World Health Organization (WHO) conducted Global Data Survey of Maternal and Perinatal Health Survey, Kenya. Kenya was among 54 global countries sampled. In the African continent there were only 7 countries.

3.3.10: 1997- 2007: Peer Reviewer for "Social Science & Medicine – An International Journal" Reviewed over 10 social science related manuscripts: Some of the articles I reviewed were: Manuscript Reference #: dp/2001/802: Seizing the day: Adolescent male circumcision and Health Education in Central Kenya; Manuscript Reference #: dp/2000/589: Health care switching behavior of patients in a Kenyan Rural Community; Manuscript reference #: hkh/1998/384. Vaginal discharge and pelvic inflammatory disease: Two ends of the same spectrum; Manuscript Reference # hkh/1997/252. Knives-in-waiting: The exclusion of fathers from medical birthing, etc.

3.3.11: 2004: As one of the lead consultants for Family Health International (FHI) and Ministry of Health (MOH), Kenya: Conducted a National Survey: Assessment of Family Planning Needs in Kenya in the context of the HIV/AIDS Epidemic.

3.3.12: 2001: As one of the lead consultants for Germany Technical International Assistance (GTZ), and Ministry of Health (MOH), Kenya: As a consultant for GTZ/MOH: Baseline Study for Decentralized HIV/AIDS and Reproductive Health (DARE) Project, in Kenya

3.4: Ongoing Ph.D Supervision:

- **Study Title:** Improving Health Service Delivery in Kenyan Public Hospitals: The Essential Role of Management
- **Student:** Dr. Francis M. Kimani
- **Other Supervisors are:** Prof. Germano Mwabu, Prof. B.B.A. Estambale, and Dr. Urbanus Kioko

3.5: Grants and Projects Management:

- 2012 – iRIM grants to Both IEARDA and MEPI grants (see ii & iii) below as the lead:** To develop international training packages for grants writing and management and to strengthen Research and Grants administration at the UoN and two collaborating local institutions, namely; Kenyatta National Hospital and Kenyatta University.
- 2011 to-date:** The Medical Education Partnership Initiative (MEPI), Aim 4 Lead: Strengthen research administration and regulation capacity of the University of Nairobi.
- 2010 to-date:** PI, NIH-University of Nairobi, International Extramural Associates Research Development Award (IEARDA) Program/ORP: NIH Grant focusing on Research and Grants writing/management capacity strengthening in the six constituent colleges of the University of Nairobi.
- 2005 to 2008:** Project Manager: Incorporating HIV & AIDS Prevention, Care, Treatment and Support at the University Health Services and University of Nairobi Research and Training sites: PEPFAR funded, initially through USAID and later, through University of Nairobi AIDS Care and Treatment Services (ACTS) Program, a PEPFAR cooperative agreement supported program. The clinics are managed by University of Nairobi in partnership with various collaborators: Tigoni Comprehensive Healthcare Clinic, Kangemi KAVI Clinic, Pumwani MCH Clinic, Majengo CSW Clinic, SWOP Clinic; and University Health Services (UHS). Over 500,000 patients had received various HIV related services, and trained over 100 health care workers/faculty in various aspects of HIV/AIDS care & prevention over the period I was the manager.
- 1994-1996:** Project Coordinator: Johns Hopkins Program for International Education in Reproductive Health (JHPIEGO – Affiliate of Johns Hopkins University, USA). During my tenure as the coordinator, we trained over 100 health care providers and faculty on training and teaching skills. We also trained some faculty on curriculum development.

3.6: General Administration:

- April 24th, 2006 to-date:** Deputy Director, University of Nairobi Institute of Tropical and Infectious Diseases (UNITID), one of the seven units of College of Health Sciences. The others are: School of Medicine (SOM), School of Nursing Sciences (SONS), School of Dental Sciences (SODS), School of Public Health (SOPH), School of Pharmacy (SOP), and Centre for HIV Prevention and Research (CHIPR)
- April 24th, 2006 to-date:** Severally taken up duties as Acting Director, University of Nairobi Institute of Tropical and Infectious Diseases (UNITID), when the substantive Director is on official leave
- April 24th, 2006 to-date:** Member of the following top level University of Nairobi administration bodies: University of Nairobi Senate; Deans Committee; College of Health Sciences, Management Board; and College of Health Sciences, Academic Board.

- (iv) **2007 to-date:** Chair, University of Nairobi Institute of Tropical and Infectious Diseases Board of Postgraduate Studies.
- (v) **2004 to-date:** Member: Kenyatta National Hospital Private Wing Management Committee. The committee is responsible for ensuring that high quality standards of health care are maintained at the same time generating revenue to support efficient running of the Hospital as whole.
- (vi) **2002 -2008:** Chairman: Division of Obstetrics and Gynecology, Kenyatta National Teaching and Referral Hospital (KNTRH). During my tenure as the Chair, HIV services including PMTCT and PITC were greatly improved and expanded.
- (vii) **1992-1994:** Head: Department of Obstetrics & Gynecology, KNTRH, Nairobi, Kenya.

3.7: Other Professional Positions/appointments

- (i) **2005 to-date:** Member: Kenyatta National Hospital Medicines and Therapeutics Committee.
- (ii) **2005 -2007:** "Advocate": Advocacy for Repositioning Reproductive Health and Family Planning in Kenya, working with Ministry of Health, NCPD and Policy Project. Key activities were to lobby and educate parliamentarians and other policy makers on health and human rights related Millennium Development Goals with a view to ensuring that they pass appropriate legislations and policies to allocate more funds and other resources to address key identified gaps.
- (iii) **1993-1997:** Honorable Treasurer: Kenya Obstetrical and Gynecological Society.
- (iv) **1994-1996:** Project Coordinator: Johns Hopkins Program for International Education in Reproductive Health (JHPIEGO – Affiliate of Johns Hopkins University, USA). During my tenure as the coordinator, we trained over 100 health care providers and faculty on training and teaching skills. We also trained some faculty on curriculum development.

4.0: PUBLICATIONS IN PEER REVIEWED JOURNALS

- (i) **James M. M'Imunya**, Tamara Kredo and Jimmy Volmink: (Updated & Resubmitted in 2011): Systematic Review: Patient education and counselling for promoting adherence to the treatment of active and latent tuberculosis: Cochrane Data Base of Systematic Reviews 2007, Issue 3.
- (ii) Mutua F. Mueni, **James M. M'Imunya**, Wiysonge C. Shey U: (Updated & Resubmitted in 2011): Systematic Review): Genital ulcer disease treatment for reducing sexual transmission of HIV: Cochrane Data Base of Systematic Reviews 2009, Issue 3.
- (iii) Mutua F, Revathi G, **Machoki JM** (2010): Species distribution and antifungal sensitivity patterns of vaginal yeasts. East African Medical Journal: 87 (4): 156 – 162.
- (iv) Archana Shah, Bukola Fawole, **James M. M'Imunya**, et al, (2009): Cesarean delivery outcomes from the WHO global survey on maternal and perinatal health in Africa: Int. J. Gynecol Obstet. 2009 Dec: 107(3): 191-7. (This was a Global Survey where I was the PI in Kenya).
- (v) Archana Shah, Anibal Faudes, **Machoki JM**, Vicente Bataglia, et al: (2008): Methodological considerations in Implementing the WHO Global Survey for Monitoring Maternal and Perinatal Health. Bull World Health Organ. 2008 Feb; 86(2):126-31. (This was a Global Survey where I was the PI in Kenya. Article was peer reviewed & is Pub. Med indexed.)
- (vi) Kariuki JG, Josh MD, Adam AM, Kwasa TO, **Machoki JM**. (2008): Fertility rate of epileptic women at Kenyatta National Hospital. East Afr Med J. 85(7):341-6.
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- (viii) Muliro-Chekoko A, Gichangi P and **M'Imunya J. Machoki**: (2006): Human Immunodeficiency Virus-1 Seroprevalence among antenatal clinic clients in Kitale District Hospital and their attitudes towards screening: *Journal of Obstetrics and Gynecology of Eastern and Central Africa*: Vol. 19 No. 2:1-5.
- (ix) Ong'ech JO, Omondi O, **M'Imunya J. Machoki**, Khisa W, Kiarie JN: (2006): Knowledge, Attitude and Practices on HIV Transmission and preventive measures among antenatal mothers at Kenyatta National Hospital: *Journal of Obstetrics and Gynecology of Eastern and Central Africa*: 19 (1) 1-11.
- (x) Kigen B, **M'Imunya J. Machoki**, Omondi O Gichangi P: Knowledge, Attitude and Practices of Safe Motherhood among women attending antenatal clinic in a rural District –Narok District: *Journal of Obstetrics and Gynecology of Eastern and Central Africa*: **January 2006**:Vol. 19 No. 1: 17-21.
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- (xii) Kigen B, Omondi O, **M'Imunya J. Machoki**, Gichangi P: Abnormal cervical cytology among women in a rural Kenyan population – Narok District: *Journal of Obstetrics and Gynecology of Eastern and Central Africa*: **October 2005**:Vol. 18 No. 2: 113-118.
- (xiii) Kyama MC, D'Hooghe TM, Debrock S, **Machoki J**, Chai DC, Mwenda JM. (2004): The prevalence of endometriosis among African-American and African-indigenous women. *Gynecol Obstet Invest*. 57(1):40-2.
- (xiv) Mwenda JM, **Machoki JM**, Omollo E, Galo M, Langat DK. (2004): The prevalence of anti-phospholipid antibodies in a selected population of Kenyan women and development of a non-human primate model. *Gynecol Obstet Invest*. 57(1):36-8.
- (xv) Giuseppe Raviola, **Machoki M**, Esther Mwaikambo, et al: (2002): HIV Disease Plague, Demoralization and "Burnout": Resident Experience of the Medical Profession in Nairobi, Kenya. *Culture, Medicine and Psychiatry* 26: 55-86.
- (xvi) Good MJ, Mwaikambo E, Amayo E, **Machoki JM**. (1999): Clinical realities and moral dilemmas: contrasting perspectives from academic medicine in Kenya, Tanzania, and America. *Daedalus*. 128(4):167-96.
- (xvii) **Machoki JM**, Rogo KO: (1991): Knowledge and attitudinal study of Kenyan women in relation to cervical carcinoma. *Int. J Gynaecol Obstet*. 34(1):55-9.

5.0: BOOK DEVELOPED:

- ❖ **2006**: Together with Prof. E. D. Otolorin, Dr. I.K. Tonui, Dr. P. Cherutich and Dr. P. Lynam, in collaboration with Ministry of Health, Kenya, JHPIEGO- Affiliate of Johns Hopkins University, USA and USAID, Kenya office, we developed: *Guidelines for HIV Counselling and Testing in Clinical Settings*. The guidelines were adopted and launched by the Ministry of Health and are being used nationally internationally.

6.0: CONTRIBUTION OF CHAPTERS IN A BOOK

- ❖ **Contribution of Chapters in a book titled**: *Infertility Management In Africa and Eastern Mediterranean Regions: A world Health Organization Workshop Proceedings held in Nairobi, Kenya, 4th -8th Feb 2002*: Editors: C.B. Sekadde-Kigonde, D.M. Chikamata, D.R. Franken and J.K.G. Mati: ISBN 9966-9672-8-1, 2005.
 - (i) Christine Sekadde-Kigonde, **James M. M'Imunya**: Summary report of the Workshop on Infertility Management in Africa and Eastern Mediterranean Regions: Page: 2-51.
 - (ii) **James M. M'Imunya**: Review article: The challenges of managing male infertility in Africa. *Infertility Management in Africa and Eastern Mediterranean Regions*: Page: 104-116.

7.0: BOOKS EDITED

- ❖ **2003-2004:** Supervising HIV/AIDS Services: Improving Performance of People: Reference Manual; Course Handbook for Participants; and Course Notebook for Trainers. Other Co-editors are: Prof. Emmanuel Dipo Otoloria and Dr. Pamela Lynam
- ❖ **2003:** Modules 6, 7 and 8 (Volumes 1: Trainer's Guide & Volume 2: Trainee's Manual) of the Comprehensive Family Planning Clinical Skills Training Curriculum for the MOH, Government of Tanzania. (Module 6: Providing Norplant Implant Family Planning Method; Module 7: Providing Minilap/Tubal Ligation under Local Anesthesia and Module 8: Providing No-Scalpel Vasectomy (NSV) under local Anesthesia).

8.0: PUBLISHED REPORTS:

- ❖ **2010 : Desk Review : Dr. M'Imunya J. Machoki, Prof. Sekadde-Kigundu C, Prof. Kimani V, et al ;** Magnitude, Causes, Management and Challenges of Infertility in Kenya.
- ❖ **2008 : Survey Report : Dr. M'Imunya J. Machoki, Prof. Sekadde-Kigundu C, Prof. Kimani V, et al ;** Magnitude, Causes, Management and Challenges of Infertility in Kenya.
- ❖ Said H., Mohammed U., **M'Imunya J. Machoki:** An unusual Case Report: The East African Medical Journal, Vol. 84 No. **2 March 2007;** Pg 88-92.
- ❖ **M'Imunya J. Machoki,** Benjamin Nganda, Njeru Erastus, et al. (2001): Report: Baseline Study for the Decentralized HIV/AIDS and Reproductive Health (DARE) Project.

9.0: REFERENCE MANUALS REVIEWED:

- ❖ **2006:** Skills Training in Provider Initiated HIV Testing and Counseling in Clinical Settings. Developers: Dr. Isaiah KT, Dr. Nicholas W, Margaret G, and Mwololo P.
- ❖ **1997:** International Instructional Design Skills for Reproductive Health Professional, Authors: Rick Sullivan and Lynne Gaffikin.

10.0: SPECIAL ASSIGNMENTS

- (i) **2004 to-date:** Member: Kenyatta National Hospital-University of Nairobi Research Ethics Review Committee, where I have reviewed over 100 research proposals of both Biomedical and Behavioral nature.
- (ii) **2007 – 2009:** Member, UNES Tender Committee.
- (iii) **2006 - 2007:** Member: Commission for Higher Education team of experts appointed to assess the suitability of Aga Khan University, Nairobi, to offer Master of Medicine in Obstetrics and Gynaecology. I was particularly keen to see that the curriculum was comprehensive enough to address the training and challenges of HIV and AIDS in the field of Obstetrics and Gynaecology. The curriculum is currently operational.
- (iv) **2005 -2007:** "Advocate": Advocacy for Repositioning Reproductive Health and Family Planning in Kenya, working with Ministry of Health, NCAPD and Policy Project. Key activities were to lobby and educate parliamentarians and other policy makers on health and human rights related Millennium Development Goals with a view to ensuring that they pass appropriate legislations and policies to allocate more funds and other resources to address key identified gaps.
- (v) **2001-2003:** Academic Supervisor for Harvard Medical School Residents and undergraduates during their international elective term at Kenyatta National Hospital, Nairobi, Kenya. Some of these are: David W. Ouyang; Ann E. Bryant; Giuseppe Raviola; Jasmine Hayes and Erica Marsh.

- (vi) **February 6-10, 2000:** WHO third consultative meeting to contribute to the finalization of the Strategy on Adolescent and Youth Health and Development for the African Region 2000-2010, held at Miklin Hotel, Accra Ghana.
- (vii) **June 1999:** Visiting Scientist: Wright State University, Ohio, USA, Sponsored by Harvard Medical School. Main highlights: Final discussions on a joint research proposal between Wright State University, Nairobi Institute of Primate Research, and University of Nairobi, on The Role of Antiphospholipid Antibodies in Repeated Pregnancy Loss at Kenyatta National Hospital, Nairobi, Kenya, and a presentation on "Overview of Infertility in Kenya"
- (viii) **April 28-29 1998:** Participation during deliberations of the **Committee on Human Rights of the American Academy of Sciences held in Washington, DC, USA. (With paper presentation, titled: Female Circumcision: Biomedical and Socio-Cultural perspectives with special reference to Kenya).**
- (ix) **April 25th, 1998:** 1998 Harvard International Women's Health Conference organized by Harvard Project for International Health and Development, at Harvard Medical School, USA. (With paper presentation, titled: Sexual and Reproductive Rights and HIV/AIDS in Kenya)
- (x) **1998/1999:** While at Harvard Medical School for Medical Anthropology Fellowship Training, with the assistance of Prof. Leon Eisenberg, I managed to solicit for free journal subscriptions to our medical school library as indicated below: The Lancet: from 1998; Journal of the Neurological Sciences: from 1998; Journal of the American Medical Association: from 1998; and Journal of Pediatrics: from 1998. We made requests to fifteen international journals but got positive response from only these four.

11: PARTICIPATION IN LOCAL AND INTERNATIONAL CONFERENCES/WORKSHOPS/SEMINARS

- (i) **September 12-18, 2011:** Bio-Security and Bio-Safety: Planning for National Protection Course, held in Nairobi, Kenya, organized by Defense Institute for Medical Operations, USA Army.
- (ii) **October 2010 to April 2011:** The Leadership Development Program, on diverse dates, organized by Management Science for Health and CHS, and sponsored by USAID: (With Certificate and Project).
- (iii) **March 5-10, 2011:** NICHD International Extramural Associates (IEARDA) Technical Assistance + MEPI-Kenya and IEARDA joint programs workshop, held in Johannesburg, South Africa, organized and funded by National Institute for Health (NIH), USA.
- (iv) **28 Nov to 1 Dec, 2010:** Review methodology update course, held in Addis Ababa, Ethiopia; organized and paid for by Reviews for Africa Programme (RAP): Training in the science of research synthesis for Cochrane authors of systematic reviews.
- (v) **November 2-6, 2010:** Yearly conference for the Association of Research Administrators in Africa (ARAA) (with paper presentation); held in Entebbe, Uganda, organized by ARAA leadership and funded by NIH, USA.
- (vi) **24 May to 25 June, 2010:** International Extramural Associates Research Development Award (IEARDA) residency training on Research and Grants Administration, held at NIH, Maryland, USA. (Funded by NIH)
- (vii) 7th to 8th October, 2008: East African Bio-equivalence Workshop, held in Addis Ababa, Ethiopia.
- (viii) **11th to 22nd August 2008:** Advanced Research Methodology Workshop for Biomedical and Behavioral researchers at the University of Nairobi and its affiliate local institutions: raining institutions: At the School of Computing and Informatics: Funded by National Institutes of Health (USA), and Organized by University of Nairobi and University of Washington (USA).

- (ix) **April, 4-7 2006:** Preventing Mortality from Postpartum Hemorrhage in Africa: Moving from Research to Practice conference, Entebbe, Uganda.
- (x) **July 5th 2005:** Meeting MDGs: Progress & Challenges: Parliamentarians and other leaders Policy Briefing Workshop ahead of the World Population Day, at The Stanley Hotel, Nairobi, Kenya. (With paper presentation titled: "Equality Benefits Everyone")
- (xi) **April 4th to 15th 2005:** Communicating Population and Health Research to Policymakers: at the Kenya School of Monetary Studies: organized by National Coordinating Agency for Population and Development ; Population Studies and Research Institute, University of Nairobi and Population Research Bureau, Washington, USA.
- (xii) **November, 17-20 2004:** Concerted Action: Optimizing the use of Syndromic Approach for STI Management and Prevention in Resource Poor Settings: Expert meeting to share research findings and plan the way forward: Held at Hotel Real Parque, Lisbon, Portugal. (With paper presentation, titled: "Factors that influence partner notification amongst STI index patients and Health Care Providers in selected STI/PID treatment health facilities in Kenya).
- (xiii) **June 20-24, 2004:** Implementing Best Practices Initiative Launch in Africa conference at Entebbe, Uganda: Repositioning Reproductive Health in Africa: Linking Challenges with Best Practices: With Poster Presentation voted the best PMTCT Plus poster.
- (xiv) **June 7-10, 2004:** Final Preparatory Workshop as WHO Temporary Adviser on the Pilot Phase of the WHO Global Data System of Maternal and Perinatal Health Proposal at Hilton Hotel, Nairobi, Kenya.
- (xv) **May 24 – 26 2004:** Bioethics and Research Workshop jointly organized by the International AIDS Research and Training Program at the University of Washington Seattle, Washington, USA and the Kenyatta National Hospital Ethical and Scientific Review Committee, at the Silver Springs Hotel, Nairobi, Kenya.
- (xvi) **February 08 - 14, 2004:** An International Evidence Based Reproductive Health Care Workshop at Pamodzi Hotel, Lusaka, Zambia, organized by WHO.
- (xvii) **April 2003 to December 2004:** Advanced Laparoscopic Evaluation/Surgery Course: (OJT): at Kenyatta National Hospital, Nairobi, Kenya, by Dr. R. Parker, a World Class Laparoscopic Surgeon/Consultant Obstetrician & Gynecologist.
- (xviii) **February 25 2004:** Stakeholders Workshop: Family Planning Needs in Kenya in the context of the HIV/AIDS Epidemic: at Intercontinental Hotel, Nairobi, Kenya, and organized by the Ministry of Health in collaboration with FHI.
- (xix) **November 26-30, 2003:** Final Preparatory Workshop at the WHO Headquarters, Geneva, Switzerland, as WHO Temporary Adviser on the Pilot Phase of the WHO Global Data System of Maternal and Perinatal Health Proposal.
- (xx) **May 21-23, 2003:** Preparatory Workshop at the WHO Headquarters, Geneva, Switzerland, as WHO Temporary Adviser on the Pilot Phase of the WHO Global Data System of Maternal and Perinatal Health Proposal.
- (xxi) **April 25th, 1998:** 1998 Harvard International Women's Health Conference organized by Harvard Project for International Health and Development, at Harvard Medical School, USA. (With paper presentation, titled: Sexual and Reproductive Rights and HIV/AIDS in Kenya).
- (xxii) **February 6-10, 2000:** WHO third consultative meeting to contribute to the finalization of the Strategy on Adolescent and Youth Health and Development for the African Region 2000-2010, held at Miklin Hotel, Accra Ghana.

12: CONSULTANCY APPOINTMENTS

	DATES	ORGANIZATION	COUNTRY	NATURE OF TASK
1	October 1 – 8, 2007	JHPIEGO/MOH	Kenya	<ul style="list-style-type: none"> ➤ Provide Technical Support during the PITC support supervision at KNH, Nakuru Provincial General Hospital. ➤ Collate all the reports from the ten sites that received PITC support supervision between Oct 1 and Nov 2 2007
2	August 20 to 31 2007	JHPIEGO/MOH	Kenya	Provide Technical Support & Training during Supervision Course for Health Care Providers by MOH and JHPIEGO at Kilifi and Kakamega, Kenya.
3	August 03 to 04 2006	JHPIEGO/CDC	Kenya	Provide Technical Support during DTC meeting organized by CDC at Sunset Hotel, Kisumu City, Kenya.
4	November 3 to 24 2005	JHPIEGO/MOH	Kenya	Provide Technical Support during harmonization of materials for ART & TOT courses for CT and ART programmes in Eastern, Central and Nairobi Provinces, Kenya.
5	September 10 to 17 2005	JHPIEGO/MOH	Kenya	Provide Technical Support in planning and advocacy meetings for ART and Dissemination, of HIV Testing Guidelines in Clinical Settings in Eastern, Central and Nairobi Provinces, Kenya.
6	2004: June	FHI	Kenya	Assessment of Family Planning Needs in Kenya in the context of the HIV/AIDS Epidemic
7	2003: Nov to Dec.	PRIME II/INTRAH	Kenya	Edit 3 Modules of FP & CSTC
8	2002 , June 10 th to 20 th	JHPIEGO	Malawi	Post Abortion Care Evaluation
9	2001, May 5 th to 16 th .	JHPIEGO	Zambia	Post Abortion Care Workshop
10	2001: Feb to April.	GTZ/GOK	Kenya	Baseline Study for Decentralized HIV/AIDS and Reproductive Health (DARE) Project.
11	2000, Aug 14 to 28 th	JHPIEGO	Zambia	Teaching/training Skills
12	2000, Aug 10 th to 30 th	JHPIEGO	Zambia	Teaching/training Skills/Post Abortion Care Workshop

13: MEMBERSHIP OF NATIONAL AND INTERNATIONAL PROFESSIONAL SOCIETIES

13.1: Association of Research Administrators International: Benefits include:

- Regular updates on issues related to Research and Grants administration.
- Access of training materials in Research and Grants administration.
- Invitation to attend Annual General Meeting and participate in election of office bearers.

13.2: Association of Research Administrators in Africa (ARAA): Benefits include:

- Regular updates on issues related to Research and Grants administration.
- Invitation to attend Annual General Meeting and participate in election of office bearers.

13.2: American Society of Andrology (ASA): Benefits include:

- Journal of Andrology - mailed bi-monthly.
- ASA Newsletter.
- ASA on-line - Access to Andrology, the online forum to discuss the latest in the field of Andrology.
- Membership Directory.
- Special Reduced Registration fees for the Annual Meeting, Postgraduate Course and popular workshops.
- May receive The Handbook of Andrology.

13.3: Kenya Medical Association (KMA): Benefits include:

- East African Medical Journal - mailed quarterly.
- Invitation to attend Annual General Meeting and participate in election of office bearers.

13.4: Kenya Obstetrical and Gynecology Society (KOGS): Benefits include:

- Journal of Obstetrics and Gynecology: East and Central Africa - mailed quarterly.
- Invitation to attend Annual General Meeting and participate in election of office bearers.

13.5: Life Member of Family Planning Association of Kenya (FPAK): Benefits include:

- Invitation to participate in the Association's training and service delivery activities.
- Invitation to attend Annual General Meeting and participate in election of office bearers.

14: ACADEMIC AND PROFESSIONAL REFEREES

(i) Prof. James B. O. Oyieke

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