

CURRICULUM VITAE

1.0 Biography

1.1 Name:	Ephata Elikana <u>KAAYA</u>
1.2 Date of birth:	15th July 1954
1.3 Place of birth:	Arusha, Tanzania
1.4 Nationality:	Tanzanian
1.5 Sex	Male
1.6 Marital status:	Married
1.7 Number of children	Two (a daughter and a son)
1.8 Profession	Medicine (Pathology)
1.9 Address	P. O. Box 65023, Dar-Es-Salaam, Fax 255-22-2151117 E-Mail: ekaaya@muhas.ac.tz

2.0 Schools, colleges and certificates

- 2.1 Ph D. in Pathology, 1995, Karolinska Institute, Stockholm - Sweden.
- 2.2 MSc., 1991, Anatomical Pathology, University of Dar Es Salaam - Tanzania
- 2.3 Doctor of Medicine, (M.D.), 1981, University of Dar Es Salaam, -Tanzania
- 2.4. National Form Six certificate 1974, Moshi High School, Moshi -Tanzania.
- 2.5. National Form Four certificate 1972, Ilboru Secondary School, Arusha -Tanzania
- 2.7 Primary School, leaving certificate 1968, Akheri Primary School, Arusha- Tanzania.

3.0 Universities/Institutes attended

- 3.1 Karolinska Institute and Hospital, Department of Pathology, Immunopathology - Ph.D. 1990-1995.
- 3.2 Faculty of Medicine University of Dar-Es-Salaam, - Pathology training, 1987-1990.
- 3.3 Institute of Pathology, University Hospital, University of Zurich, Switzerland – Pathology Residency and MSc course 1986 (Autopsy and Surgical Pathology).
- 3.4 University of Alabama at Birmingham, USA -ECFMG Foreign Faculty Fellowship in Pathology, 1984-1985 (Anatomical Pathology and General Pathology).
- 3.5 University of Dar-Es-Salaam, Faculty of Medicine, 1976-1981, MD.

4.0 Post held at University

- 4.1 Professor of Pathology, July 2009.
- 4.2 Director, Continuing Education and Professional development Muhimbili University of Health and Allied Sciences (MUHAS), 2008 to date
- 4.3 Acting Director, Continuing Education and Professional development, MUHAS, 2007-2008
- 4.4 Deputy Director, Postgraduate Studies (CE), MUHAS, 2006-2007
- 4.5 Associate Dean, School of Medicine, MUCHS, 2005-2006
- 4.6 Associate Professor/Pathologist, Muhimbili University College of Health Sciences, University of Dar-Es-Salaam, **July 1999.**
- 4.7 Head, Department of Pathology, School of Medicine, April 1999 to 2006
- 4.8 Acting Head, Department of Histopathology and Morbid Anatomy, 1998-99.
- 4.9 Senior Lecturer/Pathologist, Muhimbili University College of Health Sciences, University of Dar-Es-Salaam, 1995-1998
- 4.10 Lecturer/ Muhimbili University College of Health Sciences, University of Dar-Es-Salaam, 1991-1995.
- 4.11 Pathologist, Muhimbili National Hospital and Muhimbili University College of Health Sciences and MUHAS 1991 to date
- 4.12 Assistant lecturer, Faculty of Medicine, University of Dar-Es-Salaam, 1985-1991.
- 4.13 Tutorial assistant, Faculty of Medicine, University of Dar-Es-Salaam, 1982-1985

5.0 Leadership in Professional Associations

- 5.1 Member of the Independent Advisory Committee (IAC) for Stepwise Laboratory Improvement Process Towards Accreditation (SLIPTA), under the African Society of laboratory Medicine (ASLM) from 2011.
- 5.2 President, College of Pathology for East, Central and Southern Africa (COPECSA), 2010 to-date
- 5.3 President, East African Division of the International Academy of Pathology (EAD-IAP), 2008 to 2010.
- 5.4 Vice President, Tanzania AIDS Society, 2004 to date
- 5.5 President, Association of Pathologists of Eastern Central and Southern Africa (APECSA), from 2002 to 2004.
- 5.6 Member, and Vice President, Association of Pathologists of East, Central and Southern Africa (APECSA) 2000-2002.
- 5.7 Founder member and President, Association of Pathologists of Tanzania (APT), From 2000
- 5.8 Member of the Executive Committee, Tanzania Aids Society (TAS) from 2000.
- 5.3 Founder member, Society of Neuroscientists of Africa (SONA)
- 5.4 Member, International Brain Research Organization (IBRO).
- 5.5 Member, Executive Committee of the "IGCP Working Group on Medical Geology"

6.0 PUBLISHED RESEARCH WORK

1990

- 6.1 Biberfeld P, Nakamura S, Ensoli B, Salahuddin ZS, Barillari G, Parravicini C, Gendelman R, **Kaaya EE**, Gallo RC, Autocrine and paracrine mechanisms in the evolution of Kaposi's sarcoma (KS) (article) In: Growth Factors in Health and Disease. Basic and clinical aspects. Eds. B. Westermark, C. Betsholtz, B. Hokefelt. Nordisk Insulin Symp No 4) Excerpta Medica, Elsevier Publish. International Congress Series, 1990, 925, 277-280.
- 6.2 Feichtinger H, Putkonen P, Parravicini C, Li SL, **Kaaya EE**, Böttiger D, Biberfeld G, Biberfeld P. Malignant lymphomas in cynomolgus monkeys infected with SIV. Am J Pathol, 1990, 137(6), 1311-1315.

1991

- 6.3 Li SL, **Kaaya EE**, Feichtinger H, Putkonen P, Parravicini C, Böttiger D, Biberfeld G, Biberfeld P. Monocytes/macrophage giant cell disease in SIV-infected cynomolgus monkeys (article). Res. Virol. 1991, 142, 173-182.

1992

- 6.4 Putkonen P, **Kaaya EE**, Böttiger D, Li SL, Nilsson C, Biberfeld P, Biberfeld G. Clinical features and predictive markers of disease progression in cynomolgus monkeys experimentally infected with simian immunodeficiency virus. AIDS 6: 257-263, 1992.
- 6.5 Feichtinger H, **Kaaya EE**, Putkonen P, Li SL, Ekman M, Gendelman R, Biberfeld G, Biberfeld P. Malignant lymphoma associated with human AIDS and with SIV-induced immunodeficiency in macaques. AIDS Res Hum Retrov 8: 339-349, 1992.
- 6.6 **Kaaya EE**, Parravicini C, Sundelin B, Mgaya E, Lema L, Kitinya J, Luande J, Biberfeld P. Spindle cell ploidy and proliferation in endemic and epidemic African Kaposi's sarcoma. Eur. J. Cancer, 28A (11), 1890 - 1894, 1992.
- 6.7 Feichtinger H, Li SL, **Kaaya EE**, Putkonen P, Grunewald K, Weyrer K, Böttiger D, Ernberg I, Linde A, Biberfeld G, Biberfeld P. Malignant lymphoma in experimentally SIV infected cynomolgus monkeys - A model for EBV associated lymphomagenesis. J Exp Med., 176, 281 - 286, 1992.
- 6.8 Prieto J, **Kaaya EE**, Berggren P-O, Sandler S, Takei F, Biberfeld P, Patarroyo M.Í Induction of intercellular adhesion molecule-1 (CD 54) on isolated mouse pancreatic _ cells by inflammatory cytokines. Clin. Immunol. Immunopathol. 65(3): 1992, 247-253).

1993

- 6.9 **Kaaya EE**, Li SL, Feichtinger H, Stahmer I, Putkonen P, Mandache E, Mgaya E, Biberfeld G, Biberfeld P. Accessory cells and macrophages in the histopathology of SIVsm infected cynomolgus monkeys. Res Virol, 144: 1993, 81-82.
- 6.10 Rübnsamen-Waigmann H, Manuel Grez, von Briesen H, Dietrich U, Shroff HJ, **Kaaya EE**, Biberfeld P. HIV-associated Kaposi's sarcoma in an Indian woman infected with HIV-1 and HIV-2. AIDS Res Hum Retrovir, 1993, 9: 573-577.
- 6.11 Feichtinger H, **Kaaya EE**, Li S-L, Putkonen P, Grunewald K, Weyrer K, Offner F, Biberfeld G, Biberfeld P. Opportunistische maligne lymphome bei SIV-infizierten primaten-Ein Modell für Epstein-Barr Virus assoziierte

lymphome bei AIDS. (Opportunistic malignant lymphomas in SIV infected primates: a model for Epstein-Barr virus associated lymphomas in AIDS) *Verh Deusch Ges Pathol* 1992; 76: 189-93.

- 6.12 **Kaaya EE**, Voevodin A, Szalecki P, Biberfeld P, von Krogh G, Dillner J, Parravicini P.: No evidence of HPV in epidemic and endemic Kaposi's sarcoma. *J AIDS*, 1993, 6: 964-965.
- 6.13 Feichtinger H, **Kaaya EE**, Li SL, Putkonen P, Ekman M, Mandache E, Grunewald K, Biberfeld G, Biberfeld P. Pathology of lymphoid system in cynomolgus monkeys infected with SIVsm. *In: Racz, P., Letvin NL, Gluckman JC: Animal models of HIV and other retroviral infections. Basel, Karger, 1993. Pp49-63.*
- 6.14 Li SL, Feichtinger H, **Kaaya EE**, Migliorini P, Putkonen P, Biberfeld G, Biberfeld P, Ernberg I. Expression of Epstein-Barr related nuclear antigens and B-cell markers in lymphomas of SIV immunosuppressed monkeys. *Int J Cancer*, 1993, 55: 609-615.
- 6.15 Kalokola FM, **Kaaya EE**. Childhood malignant tumors in Dar-Es-Salaam, Tanzania. *Tanzania Medical Journal* 1993
- 6.16 Li SL, **Kaaya E**, Feichtinger H, Biberfeld G, Biberfeld P. Cross reactivity of monoclonal antibodies to human leucocyte differentiation (CD) antigens in cynomolgus monkeys. *J Med Primatol*, 22: 1993, 285 -293.
- 1994
- 6.17 **Kaaya EE**, Amir H, Luande J, Kitinya, J, Biberfeld P.: AIDS-associated Kaposi's sarcoma in Tanzanians of Indian origin: Report of cases and review of literature. *Int J Oncol*, 4: 689-693, 1994
- 6.18 Biberfeld P, **Kaaya EE**, Feichtinger H, Parravicini C; Aids associated malignancies; Experimental insights. (Tumores malignos asociados al SIDA: Conceptos experimentales). *Revisiones en cancer* 1994; 7: 120-127.
- 6.19 **Kaaya EE**, Biberfeld P. Sarcoma di Kaposi: Sara vero tumore? *Ricerca Roche* 1994; 6: 60-6
- 1995
- 6.20 **Kaaya EE**. Kaposi's sarcoma and malignant lymphomas in humans and Simian AIDS. *Ph.D. Thesis, Karolinska Institute* 1995.
- 6.21 Rezikyan S, **Kaaya EE**, Ekman M, Voevodin A, Feichtinger H, Putkonen P, Biberfeld G, Biberfeld P. B-cell lymphomagenesis in SIV immunosuppressed cynomolgus monkeys. *Int J Cancer*, 61: 574-79; 1995.
- 6.22 Li SL, **Kaaya EE**, M. Ekman, C. Ordonez, H. Feichtinger, P. Putkonen, D. Böttiger, G. Biberfeld, P. Biberfeld: Thymic immunopathology and progression of SIVsm infection in Cynomolgus monkeys. *J. AIDS* 9: 1-10, 1995.
- 6.23 Schalling M, Ekman M, **Kaaya EE**, Linde A, Biberfeld P: A role for a new herpes virus in different forms of Kaposi's sarcoma. *Nature Medicine* 1: 707-8, 1995.
- 6.24 **Kaaya EE**, Parravicini C, Gendelman R, Berti E, Gallo RC, Biberfeld P. Heterogeneity of spindle cells in Kaposi's sarcoma: Comparison of cell phenotypes in vivo and in vitro. *JAIDS* 10(3): 295-305, 1995.
- 6.25 Moshi E, **Kaaya EE**, Kitinya J. Histological and immunohistological study of malarial placentas. *APMIS* 103: 73-743, 1995.
- 6.26 **Kaaya EE**, Parravicini C, Patarroyo M, Biberfeld P. Immunostaining of Kaposi's sarcoma and lymphnode tissues with anti-endothelial Mabs. *In: Leucocyte typing V: White cell differentiation antigens. Boston, Eds. Schlossman SF., et al., Oxford University Press 1995, pp. 1803-1805.*
- 1996
- 6.27 Albini A, Alugi MG, Benelli R, Berti E, Biberfeld P, Blasig C, Calabro ML, Calvo F, Chieco-Bianchi L, Corbellino M, Del Mistro A, Ekman M, Favero A, Hofschneider PH, **Kaaya E**, Lebbe C, Morel P, Neipel F, Noonan DM, Parravicini C, Repetto L, Schalling M, Tschchler E. Oncogenesis in HIV-infection: KSHV and Kaposi's sarcoma. *Intl J Oncol* 9: 5-8, 1996.
- 6.28 **Kaaya EE**, Castanos-Velez E, Amir H, Lema L, Luande, J, Kitinya, JN, Patarroyo M, Biberfeld P. Expression of adhesion molecules in endemic and epidemic African Kaposi's sarcoma. *Histopathology* 29: 337-346, 1996.
- 1997
- 6.29 Stürzl M, Blassig G, Schreier A, Nepel F, Hoenadil C, Cornal E, Ascher G, Esser S, Brockmeyer NH, Ekman M, **Kaaya EE**, Tschachler E, Biberfeld P: Expression of HHV-8 latency-associated TO.7 RNA in spindle cells and endothelial cells of AIDS-associated, Classical and African Kaposi's sarcoma. *Int J Cancer*, 72: 68-71, 1997.
- 6.30 Amir H, **Kaaya EE**, Kwesigabo G, Kitinya JN, Biberfeld P. Kaposi's sarcoma before and after the AIDS epidemic in Tanzania: A study of cancer registry data 1968-1995. *Int J Oncol* 11: 1363-1366, 1997.
- 1998
- 6.31 Urassa W, **Kaaya EE**, Kitinya JN, Lema L, Amir H, Luande J, Biberfeld G, Mhalu F, Biberfeld P. Immunological profile of endemic and epidemic Kaposi's sarcoma patients in Tanzania. *Int J of Mol Med* 1: 979-982, 1998.
- 2000
- 6.32 **Kaaya EE**, Castanos-Velez E, Amir H, Lema L, Luande J, Kitinya J, Biberfeld P. Expression of apoptosis related genes during the evolution of Kaposi's sarcoma. *Medical Oncology* 17: 325-332, 2000.

- 6.33 Amir H, **Kaaya EE**, Kwesigabo G, Kitinya JN. Breast cancer before and during the AIDS epidemic in Tanzania: A cancer registry study 1968-1997. *J Natl Med Assoc* 92: 301-305, 2000.
- 6.34 Amir H, **Kaaya EE**, Kwesigabo G, Biberfeld P. Kaposi's sarcoma in African women during the AIDS epidemic. *Austral-Asia J Cancer* 1: 42-48, 2000.
- 2001
- 6.35 Amir H, **Kaaya EE**, Manji K, Kwesigabo G, Biberfeld P. Kaposi's sarcoma before and during HIV epidemic in Tanzanian children. *Ped J Infect Dis*, 20: 518-521, 2001.
- 2003
- 6.36 Chandra A, Demirhan I, Massambu C, Pyakurel P, **Kaaya EE**, Enbom M, Urassa W, Linde A, Heiden T, Biberfeld P, Doerr HW, Cinatl J, Loewer J, Chandra P. Cross-talk between Human Herpesvirus 8 and the transactivator protein in the pathogenesis of Kaposi's sarcoma in HIV infected patients. *Anticancer Res.* 23 (1B): 723-8, 2003
- 6.37 Massambu C, Pyakurel P, **Kaaya E**, Enbom M, Urassa W, Demirhan I, Loewer J, Linde A, Chandra A, Heiden T, Doeerr H, Chandra P, Biberfeld P, Serum HHV8 DNA in Kaposi's sarcoma patients with or without HIV-1 infection. *Anticancer Res.* 23 (3B): 2389-95, 2003.
- 6.38 **Kaaya E.E**, Ekman M, Stürzl M, Schulz TF, Kitinya J, Lema L, Biberfeld P, Etiopathological factors of AIDS-related and non AIDS Kaposi's sarcoma in Tanzania. *Austral-Asia J Cancer* 2 (3), 2003.
- 2004
- 6.40 Pyakurel P, Massambu C, Castañón-Velez E, Erickson S, **Kaaya E**, Biberfeld P, Heiden T: Human Herpes Virus 8/Kaposi's sarcoma Herpes Virus cell association during evolution of Kaposi's sarcoma. *J Acquir Immune Defic Syndr*, 36: 678-83, 2004.
- 6.30 Wang Q, **Kaaya EE**, Lihua C, Jiayao W. Expression of P53, Ki-67 and bcl-2 oncoproteins in human breast cancer and their clinicopathological significance. *Austral-Asia J Cancer* 4:16-21, 2004.
- 2005
- 6.41 Pak F, Pyakurel P, Kokhaei P, **Kaaya E**, Pourfathollah AA, Selivanova S, Biberfeld P: HHV-8/KSHV during development of Kaposi's sarcoma: evaluation by Polymerase chain reaction and Immunohistochemistry. *J Cutan Pathol* 32: 21-27, 2005.
- 2006
- 6.42 **Kaaya EE**, Castañón-Velez E, Ekman M, Mwakigonja AR, Carneiro P, Lema L, Kitinya J, Linde A, Biberfeld P. AIDS and non AIDS-related malignant lymphoma in Tanzania. *Afr Health Sci* 6(2): 69-75, 2006.
- 6.43 Pawan Pyakurel, Ulrike Montag, Esmeralda Castañón-Vélez, **Ephata Kaaya**, Birger Christensson, Tonnie H, Peter Biberfeld, Thomas Heiden. CGH of microdissected Kaposi's sarcoma lesions reveals recurrent loss of chromosome Y in early and additional chromosomal changes in late tumour stages. *AIDS* 20: 1805-1812, 2006.
- 6.44 Pawan Pyakurel, Fatemeh Pak, Amos R. Mwakigonja, **Ephata Kaaya**, Thomas Heiden, Peter Biberfeld. Lymphatic and vascular origin of Kaposi's sarcoma spindle cells during tumor development. *Int J Cancer* 119(6): 1262-7, 2006.
- 6.45 Robert L. Goldenberg, Victor Mudenda, Jennifer Read, Elizabeth Brown, Moses Sinkala, Steve Kamiza, Frances Martinson, **Ephata Kaaya**, Irving Hoffman, Wafaie Fawzi, Taha Taha for the HIVNET 024 Study Team, HPTN 024 study: Histologic chorioamnionitis, antibiotics and adverse infant outcomes in a predominantly HIV-1-infected African population. *Am J Obstet Gynecol*, 196: 1065-1074, 2006
- 2007
- 6.46 Pyakurel P, Pak F, Mwakigonja AR, **Kaaya E**, Biberfeld P. KSHV/HHV-8 and HIV infection in Kaposi's sarcoma development. *Infect Agent Cancer* 2(4): 1-8, 2007.
- 6.47 Amos R. Mwakigonja, Fatemeh Pak, Pawan Pyakurel, Innocent J. Mosha, Willy K. Urassa, **Ephata E. Kaaya**, Peter Biberfeld. Oral Kaposi's sarcoma in Tanzania: presentation, immunopathology and human herpesvirus-8 association. *Oncol Rep*, 17: 1291-9, 2007.
- 6.48 Fatemeh Pak, Amos R. Mwakigonja, Parviz Kokhaei, Nahid Hosseinzadeh, Pawan Pyakurel, Gordana Bogdanovic, Galina Selivanova, **Ephata Kaaya**, Peter Biberfeld: Kaposi's Sarcoma Herpes virus load in biopsies of oral and cutaneous lesions. *Eur J Cancer* 43: 1877-1882, 2007.
- 2008
- 6.49 S. Tache **E. Kaaya**, S. Omer, C.A. Mkony, E. Lyamuya, K. Pallangyo, H. T. Debas, S.B. Macfarlane: University partnership to address the shortage of healthcare professionals in Africa. *Global Public Health*, 3(2): 137-148, 2008.
- 6.50 Amos R. Mwakigonja, **Ephata E. Kaaya**, Edward M. Mgaya. Malignant lymphomas (ML) and HIV infection in Tanzania. *Journal of Experimental & Clinical Cancer Research*, 27; 9, 2008.

- 6.51 Amos R. Mwakigonja, Pawan Pyakurel, Parviz Kokhaei, Fatemeh Pak, Leonard K. Lema, **Ephata E. Kaaya**, Peter Biberfeld. Human herpesvirus-8 (HHV-8) sero-detection and HIV association in Kaposi's sarcoma (KS), non-KS tumors and non-neoplastic conditions. *Infect Agent Cancer*, 3: 10, 2008.
- 6.52 Selma Omer Patricia O'Sullivan, Susan Masters, Kevin Souza, Stephanie Tache, Gilles Hickson, Charles Mkony, **Ephata Kaaya**, Helen Loeser. How do you cope with increasing class sizes and limited faculty resources? Education workshop for faculty at Muhimbili University of Health and Allied Sciences (MUHAS), Tanzania. *Education for Health*, 20: 1-4, 2008.
- 6.53 Sarah B. Macfarlane, Marian Jacobs, **Ephata E. Kaaya**: In the Name of Global Health: Trends in Academic Institutions. *Journal of Public Health Policy*, 29: 383-401, 2008.

2010

- 6.54 Amos R. Mwakigonja, **Ephata E. Kaaya** Thomas Heiden, German Wannhoff, Juan Castro, Fatemeh Pak, Peter Biberfeld, Anna Porwit: Tanzanian malignant lymphomas: WHO classification, presentation, ploidy, proliferation and HIV/EBV association. *BMC Cancer* 10: 344, 2010.
- 6.55 Mwakigonja AR, **Kaaya EE**, Heiden T, Wannhoff G, Castro J, Pak F, Porwit A, Biberfeld P: Tanzanian malignant lymphomas: WHO classification, presentation, ploidy, proliferation and HIV/EBV association. *BMC Cancer*. 2010;10(1):344.

2011

- 6.56 Field AS, Geddie W, Zarka M, Sayed S, Kalebi A, Wright C, A Banjo, Desai M, and **Kaaya E**: Assisting Cytopathology Training In Medically Under-Resourced Countries: Defining the Problems and Establishing Solutions (*Accepted Diagnostic Cytopathology*, 2011).

7.0 SUBMITTED AND MANUSCRIPTS IN PREPARATION.

- 7.1 Amos R. Mwakigonja, Liset M.M Torres, Henry A. Mwakiyoma, **Ephata E. Kaaya**: Cervical Cytological Changes in HIV-Infected Women on HAART Attending Care and Treatment Clinic at Muhimbili National Hospital, Dar es Salaam, Tanzania (Re-submitted: *Infectious Agents and Cancer* 2011).
- 7.2 **Ephata E. Kaaya**, Sarah Macfarlane, Charles, Mkony, Eligius Lyamuya, Helen Loeser, Phyllis Freeman, Edward Kirumira, Kisali Pallangyo, and Haile Debas: The crucial role of universities in educating enough and competent health professionals: Progress in Tanzania (Submitted: *Plos Medicine* 2011).
- 7.3 Makubi A, Lyimo M, Meda E, Magesa P, Minja X, Mlalasi J, Zubeda X, Rwehabura J, Kaaya E, Roberts D, Amrana Q, Makani J: Audit of laboratory practice in Hematology and Blood Transfusion at Muhimbili National Hospital in Tanzania (In preparation).

8.0. SCIENTIFIC AND TECHNICAL REPORTS

- 8.1 Lyamuya E, Gasarasi DB, **Kaaya E**, **Bakari M**, Kwesigabo G, Mutembei A: Scientific report of the Second National Multisectoral AIDS Conference in Tanzania 16-20 December 2004. September 2003, pp 1-54. **ISBN: 9987-8982-1-1.**
- 8.2 Mkude et al., racer studies In the quest of Academic Improvement. University of Dar Es Salaam; Lyamuya E, Bakari M, **Kaaya E**, Mbembati N: School of Medicine Curriculum Review Committee, Muhimbili University College of Health Sciences Pages 157-254. Dar es Salaam University Press Ltd 2004. **ISBN: 9976 60 4106.**
- 8.3 Mugusi F, **Kaaya E**, Lyamuya E, Kwesigabo G, Bakari M: Scientific Report on National HIV/AIDS Care, Treatment and Support Conference, Arusha 2004. **September 2005, ISBN: 9987-8982-2-X.**
- 8.4 Lyamuya EF, Mugusi F, **Kaaya E**, Bakari M, Kwesigabo G (Editors): Scientific report of the 3rd National Multisectoral AIDS Conference, in Tanzania, 18th – 21st December 2006, **June 2007. ISBN: 9987-8882-3-8.**

9.0 CONFERENCE PROCEEDINGS

- 9.1 Biberfeld P, Pyakurel P, Massambu C, **Kaaya EE**, Mwakigonja A, Heiden T, Enbom M, Castanous-Velez E: Infection of AIDS and Endemic Kaposi's sarcoma tumor spindle cells by Herpes virus KSHV/HHV-8, XV International AIDS Conference, Bangkok, July 11-16, 2004. *Medimond International Proceedings 2004*, **ISBN 88-7587-065-9.**
- 9.2 Biberfeld P, Pyakurel P, Pak F, Massambu C, Mwakigonja A, Heiden T, Castanous-Velz E, **Kaaya EE**: Virus (KSHV/HHV8) infection and Genomic aberrations in Developing AIDS Kaposi's sarcoma (KS). Proceedings of the International Meeting of the Institute of human virology, Baltimore USA, August 29 –September 2, 2005. *Retrovirology 2 (Suppl 1): S46.*

- 9.3 Biberfeld P, Pyakurel P, Pak F, Ojala P, Mwakigonja A, **Kaaya EE**, Castanous-Velez E: Kaposi's sarcoma pathogenesis: cell of origin, HHV-8 permissiveness, proliferation genomic instability. Proceedings of the International meeting of the Institute of Human Virology, Baltimore, USA, November 17-21 2006. *Retrovirology* 3(Suppl 1): S66.
- 9.4 Katherine Van Loon, MD, MPH, Amos R. Mwakigonja, MD, PhD, Ann M. Nelson, MD, **Ephata Kaaya, MD, PhD**, Robert A. Hiatt, MD, PhD. Building a Cancer Registry in Dar es Salaam: A Pilot Project to Evaluate Completeness and Validity of Pathologic Data. *The 33rd annual meeting of International Association of Cancer Registries (IACR), Balaclava, Mauritius, 11 October to 13 October 2011.* http://www.iacr.com/fr/IACR_2011-Book_of_Abstracts.pdf.
- 9.5 Amos Mwakigonja¹, Pawan Pyakurel, Fatemeh Pak, Parviz Kokhaei, Peter Biberfeld, **Ephata Kaaya**, Preventing HHV-8 transmission and Kaposi's sarcoma (KS) risk prediction and prognostication in resource-poor countries. *Infectious Agents and Cancer* 2010, 5(Suppl 1): A66.
- 9.6 Amos Mwakigonja, German Wannhoff, Thomas Heiden, Anna Porwit, Peter Biberfeld, **Ephata Kaaya**: DNA ploidy, cell proliferation, and HIV/EBV association in Tanzanian malignant lymphomas. *Infectious Agents and Cancer* 2010, 5(Suppl 1): A21.

10.0 PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

- 10.1 * **Kaaya, E.E.**, Parravicini, C., Mgaya, E., Luande, J., Kitinya, J. & Biberfeld, P., The spindle cell compartment in Kaposi's sarcoma (KS) lesions (abstract). Th Int Conf on AIDS in Africa, Kinshasa, Zaire, 1990 (Poster presentation).
- 10.2* **Kaaya E.E.**, Li, SL, Putkonen, P., Feichtinger, H., Parravicini, C., Ekman, M. & Biberfeld, P., Generalized giant cell disease in SIV-infected cynomolgus monkeys (abstract). VII Int Conf on AIDS, Florence, Italy, June 16-21, 1991. (Poster presentation).
- 10.3 * **Kaaya, E.E.**, Urassa, W, Biberfeld, P, Luande, J., Sundelin, B., Mgaya, E., Nelson, V, Lema L, Kitinya, J, Biberfeld, G.: Ploidy, proliferation and immune status in endemic and HIV-associated Kaposi's sarcoma. VIII Th Int. Conf. On AIDS Amsterdam, June 1992. (Poster presentation).
- 10.4 **Kaaya, EE**, Urassa W, Luande J, Sundelin B, Mgaya E, Lema L, nelson V, Kitinya J, Biberfeld G, Biberfeld P: Ploidy, proliferation and immune status in endemic and HIV-associated Kaposi's sarcoma. Svenska Läkaresällskapet Riksstämman, 25-27 Nov 1992. (Oral presentation).
- 10.5* **Kaaya E.**, Urassa, W., Luande J., Sundelin B., Mgaya E., Lema L. Nelson V., Kitinya J., Voevodin A., Biberfeld G., Biberfeld P: Malignancy, immunology and HPV association of endemic and HIV-related Kaposi's sarcoma. VII Int Conf. AIDS in Africa, Cameroon, Dec. 8 - 11, 1992. (Oral presentation).
- 10.6* **Kaaya EE**, P. Biberfeld, C. Parravicini, W. Urassa, G. Biberfeld: Heterogeneity ploidy and proliferation of spindle cells in HIV-associated (AKS) and endemic (EKS). IX Int Conf on AIDS, Berlin June 6-9, 1993.
- 10.7* **Kaaya EE**, W. Urassa, J. Luande, E. Mgaya, L. Lema, V. Nelson, J. Kitinya, G. Biberfeld, P. Biberfeld. Comparative studies of endemic (EKS) and epidemic (AKS) Kaposi's sarcoma (KS) in Tanzania: VIII Int meeting on AIDS in Africa. Marrakech Dec12-16, 1993.
- 10.8* **Kaaya EE**, Ekman M, Schalling M, Kitinya J, Lema L, Amir H, Carneiro P, Biberfeld P: Herpes virus like (KSHV) DNA in Kaposi's sarcoma and malignant lymphoma. 9Th. Int. Conf. AIDS STD in Africa. Kampala 10-14, 1995. (ORAL).
- 10.9* **Kaaya EE**, Ekman M, Jie-Zhi Zou, Ernberg I, Kitinya JN, Biberfeld G, Biberfeld P: HHV8 in Tanzanian and Swedish cases of AIDS related and endemic Kaposi's sarcoma (KS) and malignant lymphoma. 2nd European Conference on Experimental AIDS research (ECEAR), Stockholm, May31-June 3, 1997. (ORAL).
- 10.10* **Kaaya E.E.**, Ekman M., Hassan A, Lema L, Kitinya JN, Carneiro P, Schultz T, Biberfeld G, Biberfeld P: Human herpes virus type 8 (HHV-8) in Kaposi's sarcoma and antibody prevalence in Tanzania. Xth Int Conf on AIDS and STD in Africa, Abidjan, 7-11 December 1997. (ORAL).
- 10.11* **Kaaya, EE**, Castanous-Velez E, Heiden T, Ekman M, Stürzl M, Zou JZ, Ernberg I, Biberfeld P: HHV-8, proliferation apoptosis and ploidy in Kaposi's sarcoma pathogenesis. 3rd European Conference on Experimental AIDS Research (ECEAR), Feb. 28 - March 3, 1998, Munich, Germany.
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- 10.14 **Kaaya EE**, Castanous-Velez E, Heiden T, Ekman N, Kitinya J, Biberfeld P. The etiology of AIDS-related and –non-AIDS related Kaposi’s sarcoma. Proc 17th Annual Joint Scientific Conference NIMR Arusha February 1999.
- 10.15* **Kaaya EE**, Ekman M, Jie-Zhi Zou, Ernberg I, Kitinya JN, Biberfeld G, Biberfeld P. The etiology of endemic, classical and epidemic Kaposi’s sarcoma. Geomedicine in Eastern and Southern Africa, Nairobi June 1999.
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- 10.17* **Kaaya EE**, Mesquita R, Biberfeld P. Polyoma virus infected oligodendrocytes and macrophages within astrocytes of progressive multifocal Leukoencephalopathy (PML). FENS, Brighton June 24-28, 2000
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- 10.19* **Kaaya EE**, Castanous-Velez E, Ekman M, Heiden T, Kitinya J, Biberfeld P. Etiology of Endemic (EKS) classical (CKS) and epidemic (AKS) Kaposi’s sarcoma. 5th APECSA Intl Conference Victoria Falls, 16-19 July 2000.
- 10.20* **Kaaya**, EE, C. Massambu, J. N. Kitinya, J. Luande, L. Lema, P. Pyakurel, P. Biberfeld. Etiologic and pathogenic factors in Tanzanian Kaposi’s sarcoma: an update. 12th Intl Conf AIDS in Africa Burkina Faso, 9-13th December 2001.
- 10.21* **Kaaya EE**, Pyakurel P, Massambu CG, Heiden T, Castanous-Velez E, Enbom M, Biberfeld P. KSHV/HHV 8 cell association during AKS and EKS evolution XIVth Int AIDS Conf Barcelona, Spain July 7-12, 2002.
- 9.22* **Kaaya EE**, Pyakural P, Massambu C, Heiden T, Castaños-Velez E, Enbom M, Biberfeld P. Pathogenesis of Kaposi’s sarcoma: New insights. 6th Biennial APECSA Congress, Mombasa Kenya October 17th-20th, 2002
- 10.23 **Kaaya EE**, Massambu, C, Pyakurel P, Biberfeld P. New insights in the pathogenesis of Kaposi’s sarcoma, 2nd International Conference on Pathogenesis and treatment Paris, July 2003,
- 10.24 **Kaaya EE**, Massambu, C, Pyakurel P, Biberfeld P. Endemic (EKS), Classical (CKS) and epidemic (AKS) Kaposi’s sarcoma. XIIIth ICASA Nairobi, September 2003.

11.0 CONFERENCE ABSTRACTS

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- 11.2 Biberfeld, P., Feichtinger, H., Li, S.L. Putkonen, P., **Kaaya, E.E.**, Böttiger, D. & Biberfeld, G., Lymphomagenesis in SIV immunodeficient cynomolgus monkeys (abstract). LTCB Ann Lab Meeting, 1990, Bethesda, USA.
- 11.3 Parravicini, C., **Kaaya, E.E.**, Gendelman, R., Berti, E., Ensoli, B., Gallo, R.C. & Biberfeld, P., Spindle Cell Subpopulations and HIV-1 Expression in AIDS Kaposi’s Sarcoma (KS) (abstract). LTCB Ann Lab Meeting, 1990, Bethesda, USA.
- 11.4 **Kaaya, E.E.**, Parravicini, C., Mgaya, E., Luande, J., Kitinya, J. & Biberfeld, P., The spindle cell compartment in Kaposi’s sarcoma (KS) lesions (abstract). Vth Int Conf on AIDS in Africa, Kinshasa, Zaire, Dec. 1990.
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- 11.6 Biberfeld, P., Feichtinger, H., Li, S.L., **Kaaya, E.E.**, Gendelman, R., Grunewald, K., Putkonen, P., Ablashi, D. & Biberfeld, G., EBV-associated lymphomagenesis in SIV-immunosuppressed monkeys (abstract). LTCB Ann Lab Meeting, Bethesda, USA, 1991.
- 11.7 Biberfeld, P., Parravicini, C., **Kaaya, E.E.**, et al.: Characterization of spindle cells in HIV-related and endemic Kaposi’s sarcoma (KS) (abstract). IVth World Congress on Cancers of the Skin, New York, USA, April 17-20, 1991.
- 11.8 **Kaaya E.E.**, Li, S.L., Putkonen, P., Feichtinger, H., Parravicini, C., Ekman, M. & Biberfeld, P., Generalized giant cell disease in SIV-infected cynomolgus monkeys (abstract). VII Int Conf on AIDS, Florence, Italy, June 16-21, 1991.
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- 11.11 Parravicini, C., **Kaaya, E.E.**, Gendelman, R., De-Santiago de Aguilar, A., Ensoli, B., Gallo, R.C. & Biberfeld, P., Spindle cells in HIV-related and endemic Kaposi's sarcoma (KS): in situ and in vitro characterization (abstract). ECCO91, Florence, Italy, Oct. 1991.
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- 11.13 Biberfeld P, Feichtinger H, Li SL, **Kaaya EE**, Ernberg I, Voevodin AF, Putkonen P, Biberfeld G: An EBV-like virus in SIV associated lymphomagenesis. Vth Int Symposium on Epstein-Barr virus and associated diseases. Annecy-France 13-19 Sept. 1992.
- 11.14 Biberfeld P, Feichtinger H, **Kaaya EE**, Li SL, Voevodin A, Putkonen P, Ekman M, Biberfeld G: Lymphomagenesis in acquired immunodeficiency syndrome of HIV/SIV infections. XIX Int Congress of the Int Academy of Pathology. Madrid, Spain 18-23 Oct. 1992.
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- 11.17 **Kaaya E.**, Urassa, W., Luande J., Sundelin B., Mgaya E., Lema L. Nelson V., Kitinya J., Voevodin A., Biberfeld G., Biberfeld P: Malignancy, immunology and HPV association of endemic and HIV-related Kaposi's sarcoma. VII Int Conf. AIDS in Africa, Cameroon, Dec. 8 - 11, 1992.
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- 11.21 Biberfeld P, **EE Kaaya**, C. Parravicini, W. Urassa, G. Biberfeld: Reactive proliferation of spindle cells in HIV-associated and endemic Kaposi's sarcoma. IX Int meeting on AIDS, Berlin June 6-9, 1993.
- 11.22 Peter Biberfeld, H. Feichtinger, LI SL, **Kaaya EE**, Ekman M, Ernberg I, Voevodin A, P. Putkonen, G. Biberfeld: Opportunistic lymphomas in SIV immunosuppressed cynomolgus monkeys. IX Int meeting on AIDS, Berlin June 6-9, 1993.
- 11.23 H. Feichtinger, **E. Kaaya**, M. Ekman, F. Fend, G. Biberfeld P. Biberfeld: Oral hairy leukoplakia in SIV-infected cynomolgus macaque. IX Int meeting on AIDS, Berlin June 6-9, 1993.
- 11.24 Su-ling Li, **Kaaya EE**, Feichtinger H, Ekman M, Biberfeld G, Biberfeld P: Thymic changes in SIVsm infected cynomolgus monkeys. IX Int meeting on AIDS, Berlin June 6-9, 1993.
- 11.25 P. Biberfeld, **E. Kaaya**, C. Parravicini, W. Urassa, G. Biberfeld: Heterogeneity ploidy and proliferation of spindle cells in HIV-associated (AKS) and endemic (EKS). Ann. Meeting of LTCB, Bethesda, MD. 22-28 Aug. 1993.
- 11.26 **E. E. Kaaya**, C. Parravicini, M. Patarroyo, and P. Biberfeld: Immunohistochemical reactivity of the endothelial panel in lymphnodes (LN) and Kaposi's sarcoma (KS) tissues. V International Workshop and Conf. on Human leukocyte differentiation antigens. Boston, Nov. 3-7, 1993
- 11.27 Rosalba Salcedo, **Ephata Kaaya**, Peter Biberfeld, and Manuel Patarroyo: Comparison of CAMs- and other/novel integrin sub-panels with well-defined antibodies against adhesion molecules. Boston,
- 11.28 **E. Kaaya**, W. Urassa, J. Luande, E. Mgaya, L. Lema, V. Nelson, J. Kitinya, G. Biberfeld· P. Biberfeld. Comparative studies of endemic (EKS) and epidemic (AKS) Kaposi's sarcoma (KS) in Tanzania: VIII Int meeting on AIDS in Africa. Marrakech Dec 12-16, 1993.
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- 11.34 Carneiro P, Hassan A, **Kaaya EE**, Kitinya JN, Kwesigabo G, Biberfeld P: Kaposi's sarcoma before and after the AIDS epidemic in Tanzania. Xth Int Conf AIDS and STD in Africa. Abidjan Dec. 7-11 1997.
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- 11.36 **Kaaya EE**, Biberfeld P, Castanous-Velez E, Heiden T, Stürzl M, Zhou JZ, Kitinya JN: HHV-8 proliferation apoptosis and ploidy in epidemic Kaposi's sarcoma (AKS) endemic (EKS) and classical (CKS) Kaposi's sarcoma (KS). 12th World Conference on AIDS, Geneva June 28-July 3, 1998.
- 11.37 **Kaaya EE**, Castanous-Velz E, Heiden T, Ekman M, Lema L, Amir H, Luande J, Biberfeld P. HHV-8 in Kaposi's sarcoma Pathogenesis. National Multisectoral AIDS conference, Arusha, December, 1998.
- 11.38 Chande H, **Kaaya EE**, Kitinya JN, Biberfeld P. Cytological diagnosis of various body sites at MMC. National Multisectoral AIDS conference, Arusha, December 1998.
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- 11.40 Amir H, **Kaaya EE**, Kwesigabo G, Biberfeld P. Clinical characteristics of Kaposi's sarcoma in African women during the AIDS epidemic. National Multisectoral AIDS conference, Arusha, December 1998.
- 11.41 **Kaaya EE**, Castanous-Velez E, Heiden T, Ekman N, Kitinya J, Biberfeld P. The etiology of AIDS-related and –non-AIDS related Kaposi's sarcoma. Proc 17th Annual Joint Scientific Conference NIMR Arusha February 1999.
- 11.42 **Kaaya EE**, Ekman M, Jie-Zhi Zou, Ernberg I, Kitinya JN, Biberfeld G, Biberfeld P. The etiology of endemic, classical and epidemic Kaposi's sarcoma. Geomedicine in Eastern and Southern Africa, Nairobi June 1999.
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- 11.47 **Kaaya, EE**, C. Massambu, J. N. Kitinya, J. Luande, L. Lema, P. Pyakurel, P. Biberfeld. Etiologic and pathogenic factors in Tanzanian Kaposi's sarcoma: an update. 12th Intl Conf AIDS in Africa Burkina Faso, 9-13th December 2001.
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- 11.50 Chande H, **Kaaya E**, Biberfeld P, Carneiro PMR. Diagnosis of HIV-related Burkitt's lymphoma by fine needle aspiration cytology. 7th Biennial APECSA Congress, Mombasa, Kenya, October 17th –20th, 2002.
- 11.51 **Kaaya EE**, Pyakural P, Massambu C, Heiden T, Castaños-Velez E, Embom M, Biberfeld P. Pathogenesis of Kaposi's sarcoma: New insights. 6th Biennial APECSA Congress, Mombasa Kenya October 17th-20th, 2002.

- 11.52 Massambu CG, **Kaaya EE**, Urassa W, Enbom M, Pyakurel P, Linde A, Biberfeld P. Human Herpes virus type in Kaposi's Sarcoma patients with or without HIV1 infection. 2nd MAC Arusha, Tanzania, 16-20th, 2002
- 11.53 Biberfeld P, Pyakurel P, Massambu C, **Kaaya EE**. Kaposi's Sarcoma (KS) pathogenesis: an update. 2nd MAC Arusha, Tanzania, 16-20th, 2002.
- 11.54 Chande H, Mwakigonja A, Carneiro P, Biberfeld P, **Kaaya E**. Characteristic features of EBV-related Tumors in Tanzania. 2nd MAC Arusha, Tanzania, 16-20th, 2002.
- 11.54 **Kaaya EE**, Massambu, C, Pyakurel P, Biberfeld P. New insights in the pathogenesis of Kaposi's sarcoma. 2nd International Conference on Pathogenesis and treatment Paris, July 2003,
- 11.55 **Kaaya EE**, Massambu, C, Pyakurel P, Biberfeld P. Endemic (EKS), Classical (CKS) and epidemic (AKS) Kaposi's sarcoma. XIIIth ICASA Nairobi, September 2003.
- 11.56 Massambu CG, **Kaaya E**, Pyakurel P, HHV 8 detection in Kaposi's sarcoma patients and blood donors. 1st Joint congress of the east and southern Africa and Kuwait Divisions; West African and Jordanian sections of International Associations for Dental Research. 26th – 28th August 2004, Nairobi Kenya.
- 11.57 Massambu CG, Pyakurel P, Enbom M, Linde A, Biberfeld P, **Kaaya E**. Detection of Human herpes virus type 8 (HHV 8) in the sera of healthy individuals and in Kaposi's sarcoma (KS) patients. The 7th Biennial APECSA congress, October 20th – 23rd 2004, Kampala Uganda. Amos R. Mwakigonja, Fatemeh P. Pak, Pawan Pyakurel, Charles G. Massambu, Willy K. Urassa **Ephata E. Kaaya**, Peter, Biberfeld. Diagnosis and Risk Detection in AIDS-related Kaposi's sarcoma. National Conference on HIV/AIDS Care and Treatment. December 13-16, 2004,
- 11.59. T. Heiden, U. Montag, P. Pyakurel, **E. Kaaya**, P. Biberfeld, E. Schröck, E. Castaños-Vélez CGH analysis of microdissected early and late stage Kaposi's sarcoma (KS) – comparison with published cytogenetic data. *Cambridge Healthtech Institute, 5th annual conference in Boston MS, may 4-5 2005*
- 11.60 Biberfeld P, Pyakurel P, Massambu C, Mwakigonja A, Heiden T, Castanos-Velez E, **Kaaya E**, Kaposi's sarcoma: Genomic aberrations and KSHV/HHV8 expression during tumor development. 3rd IAS Conference on HIV Pathogenesis and treatment. 24-27 July, in Rio de Janeiro, Brazil.
- 11.61 Biberfeld P, Pyakurel P, Pak F, Massambu C, Mwakigonja A, Heiden T, Castanos-Velez E, **Kaaya E**, KSHV/HHV8 and genome aberrations in developing AIDS (AKS) and endemic (EKS) Kaposi's sarcoma. 8th International Workshop on KSHV and Related Agents. 21-25 August, Wilbad Kreuth, Germany.
- 11.62 Biberfeld P, Pyakurel P, Pak F, Massambu C, Mwakigonja A, Heiden T, Castanos-Velez E, **Kaaya E**, Virus KSHV/HHV8 and genome aberrations in developing AIDS Kaposi's sarcoma. The 10th Annual International Meeting of the Institute of Human Virology, August 29-September 2, 2005, Baltimore Marriott Waterfront, USA,
- 11.63 Biberfeld P, Pyakurel P, Pak F, Ojala P, Mwakigonja A, **Kaaya E**, Castanos-Velez E. Kaposi (KS) pathogenesis: cell origin, HHV-8 permissiveness, proliferation, genomic instability. *Retrovirology*. 2006 Dec 21; 3 Suppl 1: S66. (Abstract)

12.0 SUPERVISION OF POSTGRADUATE STUDENTS

- 12.1 **TITLE:** EBV –related cancers and the HIV epidemic. **MMed** Anatomical Pathology, University of Dar-Es-Salaam, 2003 (Dr. A. R. Mwakigonja).
- 12.2 **TITLE:** Carcinoma of the cervix at Muhimbili National Hospital Tanzania: Diagnosis and therapeutic implications of the small cell type. **MMed** Anatomical Pathology, University Of Dar-Es-Salaam, 2002. (Dr. H. A. Mwakyoma)
- 12.3 **TITLE:** HIV related oral cancers. **MMed** Anatomical Pathology, University of Dar-Es-Salaam 2005 (Dr. I. Mosha).
- 12.4 **TITLE** **MMed** Anatomical Pathology, Muhimbili University of Health Sciences (MUHAS) 2007, Dr. William Muller, Graduated MMed Anatomical Pathology 2007
- 12.5 **TITLE** **MMed** Anatomical Pathology, Muhimbili University of Health Sciences (MUHAS) 2007, Dr. Liset-Maria Menendez Torres, Graduated MMed Anatomical Pathology 2007.
- 12.6 **TITLE:** Kaposi's sarcoma and Malignant lymphomas in Tanzania during the AIDS epidemic. Defense Karolinska Institute, March 20, 2009 (Dr. A. R. Mwakigonja, MMed), PhD March 2009.
- 12.7 **TITLE:** A Pathological study on pathogenic mechanisms in Pre-Eclampsia and Eclampsia. **PhD, Defense November 2008**, MUHAS, (Dr. P. A. Ogweyo, MMed), PhD December 12, 2009

13.0 EXTERNAL EXAMINATION IN PATHOLOGY

- 13.1 MOI University, College of Medicine, Faculty of Health Science, Eldoret-Kenya. MB ChB, BScN, BSc Environmental from 2001 to 2007.

- 13.2 University of Nairobi, College of Medicine, Faculty of Medicine, Nairobi-Kenya. MB ChB, DDS, MMed Surgery, MMed Path, MMed oral Surgery, BPharm from 2001 to 2005.
- 13.3 University of Makerere School of Medicine, Kampala, Uganda; MB ChB, MMed Path from July, 2004 to June 2006.
- 13.4 Tumaini University, KCM College, Moshi Tanzania; MD, MMed from August 2004 to August 2006.
- 13.5 Nairobi University, College of Health Sciences, Department of Human Pathology, Undergraduate and Postgraduate Pathology programmes. August 2008-2011.

14.0 ORGANIZED AND ATTENDED, SEMINARS/WORKSHOPS AND COURSES

- 14.1 Molecular Biology of the AIDS virus, Course on AIDS, Karolinska Institute, Stockholm, Course, May 1990.
- 14.2 Comparative studies on Endemic and epidemic KS (seminar delivered), Stockholm, April 1991
- 14.3 Ploidy, proliferation and immunological features of endemic and epidemic KS, (seminar delivered) Stockholm, - Aug.31 1992.
- 14.4 Endemic and epidemic Kaposi's sarcoma, (seminar delivered) Stockholm, - October 1992.
- 14.5 Analytic and cellular pathology, (course) Umeå October 5 - 6, 1992.
- 14.6 EBV dependent recognition of HLA-B35 by a monoclonal antibody B. Ziegler 28/4/92 (seminar attended, Stockholm).
- 14.7 Comparative studies on endemic and epidemic Kaposi's sarcoma: immunophenotype, ploidy, proliferation, immunology and virology. (Seminar delivered) Innsbruck, 2nd march 1993.
- 14.8 Endemic and epidemic African Kaposi's sarcoma (seminar delivered) Hudinge, Stockholm, March 1993).
- 14.9 Selected problems in molecular immunology and immunobiology. (Course) Stockholm University, April 7 to June 9, 1993.
- 14.10 Workshop on Trends in immunological research. Swedish/Italian Co-operation (attended), Stockholm, May 6-7 1993.
- 14.11 Understanding Signal Transduction. (Course). Summer University of Southern Stockholm, Karolinska Institute-Hudinge, June 16-20, 1993
- 14.12 Monoclonal Antibodies and tumor vaccine in oncology. (Course), European Society of Molecular Oncology. Stockholm, 1994.
- 14.13 Molecular mechanisms of genetic diseases. (Course), Karolinska Institute, Stockholm, November 1994.
- 14.14 Inflammatory responses in the gastrointestinal tract and liver. (Course), Karolinska Hospital, Stockholm, Sweden, 27-31 March 1995.
- 14.15 Facilitated a Workshop on Infection control for viral hemorrhagic Fevers in the African Health care setting, Supported by CDC, Mwanza, February 1999.
- 14.16 Participation in organization of 2nd Multisectoral AIDS conference in Tanzania, Arusha, 2002, as a member of the Organizing and Scientific committees.
- 14.17 Facilitated a workshop on Laboratory Regional External Quality Assurance Scheme for East Africa (EA-REQAS), Supported by AMREF and WHO, Arusha April 2003.
- 14.18 Participated in a Workshop on "Building Laboratory Quality systems: A route to reliable laboratory Data, Organized by CDC, Gaborone, Botswana, July/August 2003.
- 14.19 Organized and Chaired a Workshop on, Developing Standard Operating Procedures For the Utilisation of Laboratory services by clinicians (Clinical SOPs), Supported by AMREF/WHO, Morogoro, May 2004.
- 14.20 Facilitated a workshop on "Building Laboratory Quality systems in Tanzania: A route to reliable laboratory Data to support HIV Care and treatment, Organized by CDC, Arusha, Tanzania, August 2-6, 2004.
- 14.21 Organization of the 7th Biennial APECSA congress, Kampala, October 2004
- 14.22 Member, Organizing and scientific committees of the National HIV/AIDS Care, Treatment and support conference, Arusha, 13-16 December, 2004.
- 14.23 Organized a workshop on Intellectual Property Rights, MUCHS, March 2005.

- 14.24 Organized a workshop on Medical Education for MUCHS Faculty In Collaboration of UCSF, March 1-3, 2006.
- 14.25 Organized and Chairman, 8th Biennial APECSA Congress, Ngurdoto Arusha Tanzania, August 28-30, 2006.
- 14.26 Organized and Co-Chairman, 3rd Multisectoral AIDS Conference Arusha Tanzania, December 18-21, 2006.
- 14.27 Organized and Chaired, WHO Pathology Consensus Meeting, Dar Es Salaam, May 26-28, 2008.

15.0 TEACHING AND ON-GOING RESEARCH RESPONSIBILITIES.

- 15.1 Teaching: Undergraduates MD 2, MD3, DDS2, BPharm 3, Bachelor of Medical laboratory Sciences (BMLS), Postgraduates MMed Anatomical Pathology and MMed Surgery part I, MMed Orthopedics and Trauma, MDent, MSc super specialty and PhD supervision. Research on Viral Oncogenesis, Immunopathology, HIV Pathology, Neuropathology and Nephrology.
- 15.2 PI, HIV associated Pathology Project, Research project Funded by SIDA/SAREC and administered jointly by Department of Pathology, Muhimbili University College of health Sciences (MUCHS) and Department of Pathology, Karolinska Hospital, Stockholm, Sweden (From 1998 to date)
- 15.3 Co-Investigator, "Pathology of Placenta In HIV" as a component of Harvard/MUCHS HPTN study 2004-2007
- 15.4 Coordinator, MUHAS-UCSF Collaboration from 2005 to-date.
- 15.5 PI, Planning Grant for Framework Program for Global Health, Supported by FIC/NIH, September 2005 to August 2008 PI, Dar-Oxford DelpHE Project: Translating knowledge into Practice, Supported by British Council, September 2008 – August 2011.
- 15.6 PI, MUHAS-UCSF Academic Learning project, supported by BMGF from November 2008 – October 2011: Coordinated MUHAS undergraduates and postgraduates programmes curricula revision from input to competency based programs (2009 TO 2011). A total of 78 programmes were revised and changed. Coordinated Faculty Development Training to improve quality of teaching at MUHAS.
- 15.7 PI, Sida Supported HIV/TB Project: Sub Project on AIDS malignancies, 2009-2013.



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