

SUMMARY C.V.
PROF. MUTUMA MUGAMBI

DATE OF BIRTH: 24.10.41

NATIONALITY: Kenyan

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EARLY SCHOOLING:

- Kaaga Intermediate School, Meru
- Alliance High School (1957-1962)

UNIVERSITY EDUCATION

1. **University of East Africa (Makerere) (1963 – 1969)**
 - Winner of Stockholm Student Research Fellowship – 1967
 - M.B. Ch.B (1969)
2. **University of London (1969-1971)**
 - PhD.(London) – University College
 - Internship (1971-1972) in London and Edinburgh
3. **University of Rome (1976 – 1978)**
 - Diploma in Cardiology

4. QUALIFICATIONS

M.B.Ch.B.(E.A.), Ph.D (London), Dip.Cardiol.(Rome)

5. RECOGNITIONS

Member, Kenya National Academy of Sciences
Presidential Medal for Distinguished Service (1999)

6. PAST POSTS HELD

- Associate Professor in Medical Physiology University of Nairobi (1978-1991)
- Honorary Lecturer in Medicine (Cardiology), University of Nairobi (1978-1991)
- Consultant Cardiologist, Kenyatta National Hospital (1978-1992)
- Director, Clinical Research Centre (1982-1989)
- Director, Kenya Medical Research Institute (1982-1989)
- Regional Medical Director (Africa) Ciba-Geigy Ltd (1989-1992)
- Director, Institute of Primate Research, Nairobi (1993 - 1995)

7. PRESENT POSTS

Vice Chancellor, Kenya Methodist University – 1996 to date
Professor in Health Sciences, Kenya Methodist University

8. LANGUAGES

- English (fluent: spoken and written)
- Italian (fluent: spoken and written)
- French (can read and understand scientific French)

9. TEACHING EXPERIENCE

- Lecturer to Associate Professor, University of Nairobi (1973-1991)
- Professor, Kenya Methodist University

10. RESEARCH

Research has been varied and has covered areas of Neurophysiology, Reproductive Physiology, Tropical Medicine and Cardiology.

11. ADMINISTRATIVE/RESEARCH POSITIONS

- Director, Clinical Research Centre (1978-1982)
- Director, Kenya Medical Research Institute (1982-1989)
- Chairman, Department of Medical Physiology (1984-1985)
- Regional Medical Director, Ciba-Geigy Ltd (1989-1992)
- Director, Institute of Primate Research (1993-1994)
- Principal/Vice Chancellor, Kenya Methodist University (1996 – to date)

12. INTERNATIONAL RESEARCH TOURS

- World Health Organisation Visiting Scientist Grant to Clinical Research Institute (1980)
- Attended WHO/ISSFC course on Cardiac Diseases Epidemiology and Prevention (Scotland, 1980)
- WHO courses on Research Management, Flaine, France in 1981; Nazareth, Ethiopia 1983

13. CAPACITY BUILDING EXPERIENCE

- Institutional and human capacity development in University of Nairobi, Kenya Medical Research Institute, Institute of Primate Research, Kenya Methodist University.
- Evaluations of research and programme capacity in Universities of Addis Ababa, Dar es Salaam, Maputo as assignment by SIDA-SAREC and Kuopio University Finland on WHO consultancy
- Research Capacity Strengthening (RCS) with WHO-TDR (Tropical Diseases Programme) for institution in developing countries
- Currently, Executive Secretary, African Health Research Forum (AfHRF) and specifically on Health Research Leadership Training project funded by CIDA (Canada)
- Many other Capacity Building activities with COHRED (Geneva), short term consultancies (e.g. Canada funded STD/HIV Project, Universities of Nairobi/Mannitoba, WHO funded Reproductive Health Institute, Addis Ababa
- Training in institutional management with emphasis on research organisations

14. ELECTED BODIES/ACTIVITIES

- Member of a Committee of the National Council for Science and Technology : Prepared chapter on Health Priorities and Research (1989)
- Member of National Council for Science and Technology Sub-Committee for Health Research
- Member of the WHO Expert Advisory Committee on Cardiovascular Disease (1980 to date)
- Member, Research Strengthening Group – WHO/TDR (1985-1988)
- Member, WHO Technical Advisory Group on Diarrhoeal Diseases (1986-1988)
- Member, WHO Global Commission on AIDS (1989-1990)
- Member, Advisory Committee of International Health Policy Programme (IHPP) World Bank/WHO/Pew Charitable Trusts, Carnegie Corp. 1991 – 1994
- Member, African Advisory Committee on Health Research and Development (ACHRD) of WHO-Africa 1988-90, 1995
- Council Member, National AIDS Control Council (NACC)

15. CONSULTANCIES

- External Review Group: WHO-HRP (Human Reproduction Programme) (1989-1990)
- Research capability strengthening in LDCS: WHO-TDR/GPA (1989)

- FINNIDA-WHO/HRD; Institutional Review, Kuoppio, Finland
- WHO/HRP Short-Term Consultant (STC) Addis Ababa 1992
- SAREC-SIDA : Review of Medical Schools, Ethiopia, Tanzanian, Mozambique : Evaluation of special programme on AIDS (1995)
- Council of Health Research for Development (COHRED) – many assignments (1995-1999)
- Lead Consultant: WHO, WB, GHRF – African Consultation on Health Research for Development, Bangkok 2000
- Task Force Member, Kenya – World Bank (KADRE) Project.

16. PUBLICATIONS

1. Mugambi (1971) Ph.D Thesis (University of London). Studies on the Evoked Electrical Activity in the Somatosensory Cortex of the cat.
2. Mugambi M. and Manku M.S. (1973) – Some recent concepts of anterior pituitary control. *E.A. Med J.* 50,323-7
3. Manku M.S. and Mugambi M. (1973) – Prolactin and electrolyte balance. *A.Med. J.* 50, 366-9
4. Mugambi M., Mati J.K.G. and Manku M.S. (1973) – Inhibitory action and prolactin on human fallopian tubes. *J.Obstet, Gynaecol. Br.Commonw.*80, 934-6
5. Mugambi M., Mati J.K.G., Muriuki B.P. and Thairu K. (1974) – An inhibitory of prolactin on non-pregnant human myometrium in vitro.*E.A.Medi.J.*51,392-5
6. Mati J.K.G., Mugambi M., Thairu K. and Muriuki P.B. (1974) – An inhibitory action of prolactin on pregnant rabbit myometrial strips. *J. Endocrinology* 63, 249-50
7. Mati J.K.G., Mugambi M., Thairu K. and Muriuki P.b. (1974) – An inhibitory action of prolactin on pregnant rabbit myometrial strips. *E.A.Med J.* 51,228-31
8. Muriuki P.B., Mugambi M., Mati J.K.G., (1974). The effects of prolactin on responses of the isolated mesenteric artery of the rat to noradrenaline.
9. Mati J.K.G., Mugambi M., (1977) – Prolactin and hypertension, *Amer.J. Obstet. Gynaecol.* 137, 616-19
10. Mugambi M. and Thairu M. (1977)-Human Biology for Schools. Pub. E.A. Literature Bureau.
11. Mati J.K.G., and Mugambi M. (1977) – Human Reproduction for Secondary Schools Publ. E.A. Publishing House.
12. Mugambi M. and Silverstein D. (1980) – Atrial myxoma – case report. *E.A. Med. J.*57,233.
13. Mugambi M. and Silverstein D. (1980) Abdominal coarctation of the aorta – case report. *E. A.Med. J.*57,233.
14. Mugambi M. and Mati J.K. G., Ojwang S.W. et al (1978) – Heart diseases in pregnancy at Kenyatta National Hospital. *Proceedings of the Obstetrics Society of Kenya.*
15. Mugambi M. and Waweru F.M. (1980) – Schistosomal pulmonary hypertension in Kenya. *Medicom Vol.2.*
16. Spencer H.C. and Mugambi M. (1980) – Studies of chloroquine resistant plasmodium falciparum infection in Kenya. *Annual Medical Scientific Conference of Kenya Medical Research Institute.*
17. Mugambi M., Kioy P. and Waweru F.W. (1980) – Lebetatol (Trandate) in

- hypertension – a preliminary Trial. *Medicom.* 2, 57.
18. Mugambi M. and Little M.A. (1983) – Blood pressure in Nomadic Turkana pastoralists. *E.A. Med. J.*60, 863-9
 19. Little M.S., Glavin K. and Mugambi M. (1984) – Cross sectional growth of nomadic Turkana pastoralists. *Human Biology*, 55, 811-30
 20. Sanderson J.E., Namasaka J.W., Chek A.J., Ojiambo H.P., Walkins H.M. and Mugambi M. (1981) – Acute effects, of Nifedipine in African hypertensives, *E.A. Med.J.*61, 242-5
 21. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G.A. and Sever P.S. (1984) – A longitudinal study of blood pressure changes occurring upon migration from a rural Kenya community to the Urban environment of Nairobi. *International Symposium on Diet and Primary Prevention of Hypertension, Kuopio, Finland-Abstract.*
 22. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G.A. and Sever P.S. (1984) – A longitudinal study of blood pressure after rural-urban migration in Kenya. 10th scientific meeting of the International Society of Hypertension, Interlaken, Switzerland, - Abstract.
 23. Johnson B.K. Ochieng G., Gichogo A., Okiro M., Libondo D., Tukei P.M. May Ho, Mugambi M., Timms G.L., and French M. (1983) – Antibodies against haemorrhagic viruses in Kenya populations. *Trans., Roy.Soc.Trop.Med.Hyg.*, 77,731-3
 24. Butterworth E.A., Dalton P.R., Dunne D.W., Mugambi M., Ouma J.H.Richardson B.A., Siongok T.K. and Sturrock R.F. (1984)-Immunity after treatment of human schistosomiasis mansoni I. Study design, pre-treatment observations and the results of treatment. *Trop.Med.Hyg.*,78, 108 – 123.
 25. Poulter N., Khaw K.T., Hopwood B.E.C., Mugambi M., Peart W.S., Rose G. and Sever P.S. (1984) – Blood pressure and its correlates in an African tribe in urban and rural environments – *J.Epidemol. Comm.Health*, 38 181-5
 26. Poulter N., Khaw K.T., Hopwood B.E.C., Mugambi M., Peart W.S. and Sever P.S. (1984) – Salt and Blood Pressure in various populations. *J.Cardiov. Pharmacol.* 6, 197-203
 27. Poulter N., Khaw K.T., Hopwood B.E.C., Mugambi M., Peart W.S. and Sever P.S. (1984) – Blood Pressure and associated factors in a rural Kenyan community. *Hypertension* 6, 810-813.
 28. Chunge C.N., Gachihi G., Mugambi M., Chulay J.D. and Spencer H.C. (1984) – Treatment of visceral leishmaniasis using sodium stibogluconate in doses of 15 mg. Antimony/kg body weight twice daily for 30 days; a preliminary report. *E.A. Med.J.*, 61
 29. Butterworth E.A. Capron M., Dalton P.R., Dunne D.W., Kariuki H.C., Koech D., Mugambi M., Ouma J.H. Prentice M.A. Richardson B.A. Siongok T.K. and Taylor D.W. (1985) – Immunity after treatment of human schistosomiasis mansoni II. Identification of resistant individuals and analysis of their immune responses. *Trans. Roy. Soc. Trop. Med. Hyg.*, 79,393-408.
 30. Chulay J.D. Spencer H.C., and Mugambi M. (1985) – ECG changes during treatment of leishmaniasis with pentavalent antimony (sodium stibogluconate); *Am.J.Trop.Hyg., Hyg.*,34 (4) 702-709.

31. Sanderson J.E., Koech D., Iha D., Mugambi M. and Ojiambo H.P. Cell-mediated immunity in dilated (congestive) cardiomyopathy. Fourth Annual Medical Scientific Conference, KEMRI, 1983.
32. Kofi-Tsekpo W.M., Mugambi M., Were J.B.O. and Ochieng M.E. The determination of some chemotherapeutic drugs and related compounds in biological fluids. The Annual Medical Scientific Conference, KEMRI, 1983.
33. Obel A., Kofi-Tsekpo W.M., and Mugambi M. (1985) – A preliminary analytical examination of some common traditional salts used in Kenya. *E.A.Med.J.*
34. Mugambi M. (1984) – Dietary factors of hypertension. *Nutritional prevention of Cardiovascular Diseases* Ed. Lovenberg W., Yamori Y. Academic Press 115-124.
35. Mugambi M. 1983 – Epidemiological reports from East Africa. In *Mild Hypertension (Recent Advances)* Ed. F.Gross and T.Strasser., Raven Press pp.55-61.
36. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G., Sever P. (1982) – Rural – urban study of blood pressure and associated factors in Kenya. *Proceedings British Hypertension Society meeting, Oxford.*
37. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G., Sever P (1985) – Blood pressure patterns in relation to age, weight and urinary electrolytes in three Kenyan communities. *Trans. Roy. Soc. Med.Hyg.* 79, 389-392
38. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G., Sever P. (1985) – Migration –induced changes in blood pressure: A controlled longitudinal study. *Clin.Exp.Pharmacol and Physiol.*12.
39. Poulter N., Khaw K.T., Hopwood B., Mugambi M. Peart P.S., Sever P.S. (1985) – Determinants of blood pressure: changes due to urbanization – a longitudinal study. *J.Hypertension – in press.*
40. Poulter N., Khaw K.T., Mugambi M., Sever P.S., Peart W.S. (1983) – Sodium Potassium and blood pressure in Kenyan populations. In *proceedings of International Congress in Cardiology in the tropics, Nairobi.*
41. Bryceson A.D.M., Chulay J.D., Ho. M.Mugambi M., Were J.B.O., Muigai R. Chunge G., Gachihi G., Meme J. Anabwani G., Bhatt S.M. Visceral leishmaniasis unresponsive to antimonial drugs I. *Clinical and Immunological Studies. Trans. R. Soc. Trop. Med. Hyg.* 1985; 79, 700-701.
42. Bryceson A.D.M., Chulay J.D., Mugambi M. Were J.B.O., Gachihi G., Chunge C.N.Muigai R., Bhatt S.M., Ho M., Spencer H.C., Meme J., Anabwani G. Visceral leishmaniasis unresponsive to antimonial drugs II. Response to high dosage sodium stibogluconate and prolonged treatment with pentatimidine. *Trans. R. Soc. Trop. Med. Hyg.* 1985; 79 705-714.
43. Bensted-Smith R., Anderson R.M., Butterworth A.E. Dalton P.R. Kariuki H.C., Koech D., Mugambi M., Ouma J.H., Arap Siongok T.K. and Sturrock R.F. (1986) – Evidence for predisposition of individual patients to re-infection with schistoma mansoni after treatment. *Trans. Roy Soc. Trop. Med. Hygiene – in press.*
44. Sturrock A.K. Bensted-Smith A.E., Dalton P.R. Kariuki H.C., Koech D., Mugambi M., Ouma H.H., Arap Siongok T.K. and Sturrock R.F. (1986) – Immunity after treatment of schistosomiasis mansoni III. Long term effects of treatment and re-treatment *Trans.Roy Soc. Trop. Med. Hyg.-in press.*
45. Butterworth A.E., Bensted-Smith R., Capron M., Dalton P.R., Dunne D.W., Grzych

- T. M., Kariuki H.C., Khalife J., Koech D., Mugambi M., Ouma J.H., Arap Siongoki T.K., and Sturrock R.F., 1986)-Immunity in human schistosomiasis mansoni. Prevention of blocking antibodies of the expression of immunity in young children. Parasitology – submitted.
46. Mugambi M., (1985). A longitudinal study of blood pressure changes occurring upon migration from a rural community to the urban environment of Nairobi. International Symposium on Diet and Primary Prevention of Hypertension – Kuopio, Finland – Abstract.
47. Poulter N., Khaw K.T., Mugambi M., Peart W.S., Rose G.A. and Sever P.S. (1984) – A longitudinal study of blood pressure after rural urban migration in Kenya. International Society of Hypertension – Interlaken, Switzerland – Abstract.
48. Hyams K.C., Okoth F.A., Tukei P.M., Mugambi M., Johnson B., Morrill J.C., Gray G.C. and Woody J.N. Epidemiology of Hepatitis B in Eastern Africa (1989). J.Med.Virology 28106-109.