

CURRICULUM VITAE

F.D. Juma

1.0 PERSONAL DATA

1.1 NAME Francis D. Juma

1.2 DATE OF BIRTH 5th May 1949

1.3 NATIONALITY Kenyan

1.4 STATUS Married with Children

1.5 PRESENT CONTACT University of Nairobi Medical School
Kenyatta National Hospital
2/336 Menelik Road P.O. Box 48439 Nairobi Kenya
East Africa.
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2.0 EDUCATION

2.1 PRIMARY SCHOOL EDUCATION

2.1.1 1956 Attended Butunyi Primary School and in 1959 sat the Common Entrance Examination and qualified to attend intermediate School.

2.1.2 1960 Joined Kingandole Intermediate School and sat the Kenya Certificate of Primary Education in 1963.

2.2.1 SECONDARY SCHOOL

2.2.1 1964 Joined Amukura Secondary School/Butula Secondary School and 1967 obtained division one Cambridge School Certificate

2.2.2 1968 Joined Kenyatta College Higher Secondary Division, sat the Cambridge Higher Secondary School Certificate and qualified to attend University of Nairobi medical School.

2.3.0 UNIVERSITY EDUCATION

2.3.1 1970 Undertook pre-medical education at the University of Nairobi Medical School and in 1975 obtained MBChB., degree.

2.3.2 1977 Competed for and obtained the WHO postgraduate research fellowship to undertake postgraduate studies in a PhD collaborative program at the University of London, Aden brook Hospital, Cambridge University Johns Hopkins Medical School in drug research management skills & Clinical drug Evaluation in humans with a special focus on implications of Pharmacokinetics differences on drug action.

2.3.3 1978 Obtained a human resource development British Council/WHO fellowship to undertake a course at Aden brook and Downing Science College, Cambridge in analytical mathematics, statistics and computer programming.

2.3.4 1979 Obtained a WHO traveling Research fellowship to undertake a management course for health Sciences at Johns Hopkins University (USA).

2.3.5.1980 Obtained PhD., at Kings College in Clinical Pharmacology. This was a joint program between Kings College, London & Johns' Hopkins Medical Schools, USA.

2.3.6 1980 Selected from among delegates to the WHO committee on curriculum development and the Use of Essential Drugs at the IST World Conference on Clinical Pharmacology at Wimbley London.

2.3.71981 Won the Merck Sharpe & Dohme Fellowship to study variability in drug response and pharmacokinetics at Johns Hopkins, USA

2.3.8 1996 Obtained MD doctorate in Clinical Pharmacology.

3.0 COURSES AND SYMPOSIA ATTENDED:

1978 Delegate and rapporteur on drug metabolism and clinical Pharmacokinetics section at the Seventh International Conference on clinical pharmacology the City university of Paris

1978 Course in Drug Quality Management Process Essentials Research Biostatistics at Cambridge University Medical School.

1979 Delegate and official at the William Harvey 400th Anniversary Cardiology Symposium held at the Royal College of Physicians, London.

1979 Courses in Drug and drug usage - Johns Hopkins , U.S.A.

1979 WHO visiting scientist -The Institute of Health Bethesda, U.S.A.

1979 Committee member of the curriculum and attendance of the 1st World Conference on Clinical Pharmacology.

- 1980 Convener and delegate of British Pharmacology society meeting, Guys Hospital Medical School London/ Presented two papers on (1) pharmacokinetics of cyclophosphamide and suggested for the first time the activity of phosphoramidate mustard.
- 1981 Attended the Diabetic Association Meeting of East and Central Africa held in Moshi, Tanzania and presented two papers (1) the comparison pharmacokinetics of soluble insulins in Africans and Caucasians (2)
- 1981 Attended a course on drug use in formal and informal sectors of the Common Wealth countries at the British Pharmacology Society Meeting Radcliffe Infirmary, Oxford, U.K.
- 1981 Convener and delegate at Association of Physicians of East And Central Africa Conference - Lusaka Zambia. Read two papers entitled (1) Pharmacokinetics of Pindolol and (2) that Beta-blockers are less potent in the blacks is a novel finding
- 1982 Participated in pharmacokinetic paper reviews at British pharmacology Society meeting. London, U. K
- 1982 Attendance of a course in pharmaceuticals and quality control - Basel, Switzerland.
- 1982 Attendance of Kenya Medical Association Conference Mombasa, Kenya.
- 1983 Attendance of Association of Physicians of East and Central Africa Conference, Harare, Zimbabwe.
- 1983 Attendance of 2nd World Conference on Drug Research and Core Curriculum development on Clinical pharmacology Washington,

U.S.A.

- 1983 of 11th International conference on Use of Antibiotics and Rationalization of Cancer Chemotherapy Viena Austria..
- 1983 Committee member of Cancer Chemotherapy Committee, Vienna, Austria
- 1983 Attendance of International Symposium on Ceftriaxone – Switzerland.
Attendance of NATO conference on action and disposition of icosanoids (Clinical Pharmacology of Prostaglandilins, Paris, France).
- 1984 Committee member of Association of Physician of East & Central Africa (APECA).Mombassa, Kenya. Presented papers on (1) pharmacokinetics of methotrexate .(2) Alkylating activity of Aldophosphamide and its metabolites.
- 1984 Guest speaker on problems of extrapolating laboratory pharmacokinetics data to patients with particular reference at mefloquine. The International Conference on advanced Pharmacokinetics Basel Switzerland.
- 1984 Attendance of a satellite symposia of IUPHAR 9th International Congress of Pharmacology on Tuesday 31.July 1984 at Adenbrook Hospital Cambridge. Participated as facilitator on (1) Molecular pharmacology of voltage sensitive sodium channels in animal models.(2)Insulin and insulin like growth factors, receptors and mediators. (3) Experience at the British Poison Centre with cell repair and proto- oncogenes conversion mechanisms to oncogenes and possibilities of mutagenesis and carcinogenesis in drug use at Adenbrook Hospital Cambridge University Medical School.
- 1984 Attendance of IUPHAR 9th International Congress of Pharmacology Barbican, London, U. K presentation of two papers: on Wednesday 1 August Investigation of the Pharmacokinetics of Chloroquine and its active metabolite desmethylchloroquine in normal Kenyan Africans and in Kenyan Africans with

severe malaria using high performance liquid chromatography & on Friday 3 August (2) Evaluation of HBA1c on diabetic patients on various therapeutic regimens.

- 1985 Guest speaker on experience on monitoring glucose control using drug pharmacokinetics and Haemoglobin A1c monitoring at Kenyatta National Hospital. A satellite symposium at Sherraton Hotel Madrid at the Thirteenth Diabetic International Federation, Madrid, Spain.
- 1985 Guest speaker on pharmacokinetics of Enalapril and its metabolite enalaprilat International Conference on the Place of Angiotensin enzyme inhibitors in the Management of hypertension University of Malta and the Malta, Hilton, Malta.
- 1985 Delegate and official on WHO Nairobi Rational Drug Initiative
- 1985 Resource person on the use of Essential Drugs at the W.H.O. organized symposium on cardiovascular diseases and diabetes mellitus, Kenya Medical Research Institute Nairobi, Kenya.
- 1986 Guest speaker on some investigations on four years pharmacovigilance study of oral hypoglycaemic agents Chorpropamide, glipizide, gliclazide and glibenclamide at International conference on renal pathophysiology and drug fate and response, the Netherland Tropical Institute, Nairobi, Kenya
- 1986 Guest speaker on experience with oral morphine in Kenya at the Third World Conference on Pharmacokinetics of oral morphine in man - Cambridge University, U.K.
- 1986 Attendance of the Annual British Pharmacological Society meeting - London.

1986 Member of the review team Third International Congress on clinical pharmacology - Stockholm, Sweden. Guest lecturer on pharmacokinetics of Quinine and Mefloquine.

1986 International Congress of Pharmacology and Therapeutics –
Sidney, Australia

1987 Guest speaker on experience with HBA1c in control diabetes mellitus in children and adult African children at the Kenyatta Hospital East AfricaSeventh International Symposium on Microsomal and Drug Oxidation, Adelaide, Australia.

1987 Resource person in a W.H.O. symposium on Training of Trainers in Teaching of Clinical Pharmacology, Cairo, Egypt.

1987 Convener & delegate, Third International Conference of the African Society of Pharmacology, Cairo, Egypt. Curriculum Development for the teaching of Clinical Pharmacology at all levels of Health Care Workers

1987 Invited speaker on Haemoperfusion and haemodialysis interventions in poisoning. At the
Kenya Conference on Drug Poisoning Kenyatta National Hospital Nairobi,
Kenya.

1988 Guest speaker on Drug Management of diabetes mellitus at the Postgraduate Seminar and
Annual Conference of Gynecological and Obstetric Association of Kenya. The
Agha Khan
Hospital Lecture Theatre Nairobi Kenya

1988 Presented a paper on pharmacokinetics of HBA1c at the International Conference of Glycosylated Haemoglobin as a parameter of Drug response in Diabetes Mellitus.

1988 Key note speaker on Recent concepts on insulin research with particular reference to humalin development and use Pan African conference on magement of Diabetes Mellitus at Aga Khan Nairobi.

1988 Delegate at International diabetic federation Sydney, Australia. Presented two year experience on diabetic monitoring using HAIc at the Kenyatta National Hospital.

1988 Symposium on Variability in Pharmacokinetics and drug response Gothenburg, Sweden. 26th International Symposium sponsored by the Swedish Academy of Sciences.

1989 Secretary General; The Commonwealth Meeting of heads of departments of Clinical Pharmacology on development of Core Curriculum in the teaching of Clinical Pharmacology and drug use all levels. Muhimbili/ organised by Commonwealth – Secretariat Arusha and author of the Proceedings

1990 Resource person & Deans Representative Law & Medicine in Kenya Sponsored by Deans Committee/ Organized. Presented a proposing national drug policy introducing traditional and herbal medicine into mainstream health care sponsored Canadian Agency on Health Development & academic staff of School of Law in collaboration with College of Health Sciences Nairobi Kenya.

1993 Member of WHO Consultation Committee on Multisource drugs in the Use of Essential Drugs and Implementations of Drug Policies by member countries / WHO/ Geneva

1993 Attended the Workshop on Drug management and policies on Rational Use of Drugs, University of London UK.

1995 Resource person and speaker on drug management at Chairmen of departments Symposium on human resource Management Lion Hill Hotel Nakuru, sponsored by college of Health Sciences.

1995 College Health Sciences representative Planning Resources Management Masinga Lodge/ Machakos / Sponsored by World Bank.

1996 ADP/WHO/SOCEPTA/INRUD/ Malawi/ Sponsored by WHO
ADP HQ

3.0 WORK EXPERIENCE

1975 Medical Officer (Intern) Machakos

1976 Medical officer Machakos

1976 Medical Officer of Health Kiss District Hospital

1977 Medical Registrar British Poison Center

1977 WHO Research Fellow Guys Hospital Medical School

1978 WHO traveling Fellowship Aden brook Hospital Cambridge

1979 WHO Research Fellow John's Hopkins Postgraduate Medical School Maryland USA.

1980 Lecturer, Research Scientist in Medicine & clinical Pharmacology at Guys Hospital London England.

1981 Lecturer in Medicine clinical Pharmacology.

1984 Senior Lecturer in Clinical Pharmacology, Medicine & Public Health..

1986 Head of Division of Clinical Pharmacology.

1989 Secretary General to Society of Experimental and Clinical Pharmacology and Therapeutics in Africa

1987 Associate Professor in Clinical Pharmacology & Medicine

1996 Member and consultant KEDP Scientific Consultant to Pharmacy and poison Board.

4.0 RESPONSIBILITIES UNDERTAKEN.

1976-1977 Medical Officer of Health Kissi Hospital

1977-1980 WHO Research Fellow & PhD Post graduate student.

1981-1986 Specialist Physician and Clinical Pharmacologist to Kenyatta Hospital.

Head Division of Clinical Pharmacology.

1993-1988 Member of the joint Medicine/paediatrics Postgraduate Committee.

1984-1988 Programme coordinator Mmed course of Depts. of General Medicine. Sectary & Coordinator Master of Medicine and Master of Paediatrics Postgraduate Committee.

1982-1988 Chairman Cancer Drugs Research / Kenyatta National Hospital. Chairman Kenyatta Hospital Therapeutics Committee.

College Chairman/ University of Nairobi Ten Year Planning Committee

1995-1996 Acting Chairman: Department of Clinical Pharmacology , College of Health Science representative at University of Nairobi ten year planning meeting.

1995-1997 College Representative/ KNH Separation and Committee.

1990-1997 Chairman Hospital Therapeutic Committee to date Chairman/ Kenyatta National Hospital Therapeutic Committee.

1983-1986 Member Ministerial Tender Board

1983-1992 Department of medicine representative Faculty Curriculum Committee
Secretary and Consultant Clinical Pharmacologist, Bamako Initiative\ AMREF headed by Prof.. John Francis Benet

1990-1999 Member of Faculty of Postgraduate Committee.

1993-1999 Member of the WHO Expert Committee on Drug Evaluation /Geneva Switzerland

1993-2005 Member of WHO Advisory Board /Panel on drug evaluation

1995-2001 Member ten year Health planning committee

1996-1999 Co-consultant Member of Kenya Drug API/WHO/Kenya Ministry of Health

1989-1997 Secretary General -Society of Clinical & Experimental Pharmacology & Therapeutics in The Peripherantial Trade Area (SOCEPTA).

1995-1998 Secretary of joint committee SOCEPTA/INRUD Eastern Central & Southern Africa Drug Evaluation Programme.

1995-2006 Drug Afro/ Ghana& Zimbabwe

5.0. CURRENT RESEARCH ACTIVITIES

1. Drug Utilization Studies/ A pre-launch & Post launch study of Kenya Guidelines. Drugs and modulation of Immune Mechanism.

Rational Use of Drugs in Malaria in East Africa and development strategy in access to anti malarians

Hereditary and drug disposition, response and the use of genetic mechanisms in prevention of diseases.

Selection of natural products for incorporation in drug discovery for plants animals and humans:

Collaborators:

Drug study Center Kobe Univiversity. Motoyamakita-Machi, Higasmada-Ku Kobe 658-8558 Japan

Norman Fanworth Center for Natural Products

2. WHO sponsored Pre and post launch Studies of Kenya Guidelines For Hospital Treatment and Diagnosis Rational Drug Use Studies.

3. Impact of the Environment on African health in Semi-Arid & Arid areas of Kenya. Health Drug Use in the Kenyan Health Facilities.

6.0 MEMBERSHIP OF SOCIETIES

Editorial Panel of association of Medical students of University of Nairobi

1975 Member of Kenya Medical Associations.

1976 Member of Kenya Medical and Dental Practitioners Board.

1977 Member of British Protection Society.

1978 Member British Medical Association.

1978 Member of British Society of Clinical Pharmacology.

1978 Member of European Society of Cancer

1978 Member of the European Society of Cardiology.

1980 Member of Swedish Academy of Science.

1980 Member of American Geographical Society.

1979 Member of Institute of Biology

1979 Member of American Society of Study of Xenobiotics Bethesda USA

1979 Member of Guys Hospital Drug Evaluation Society

1982 Member of the London Scientific Group

1983 Member of Institute of Biology

1983 Chartered Biologist of the United Kingdom.

1983 Member of SOCEPTA

1983 Member of International Network Rational Use of Drugs (INRUD-

1983 Member of the Eastern African Association of Physicians

7.0 TEACHING EXPERIENCE

7.1 Taught, Evaluated & Participated as internal Examiner to B.Sc. II Nurses (3 groups)

7.2 Taught, Evaluated & Participated as internal Examiner to BDS III groups.

7.3 Taught ,Evaluated & Participated as internal Examiner to final A class

7.3 Taught, Evaluated & Participated as internal Examiner to 8-4-6 (one group).

7.5 Taught & Evaluated the current 8-4-6.

7.6 Taught & Examined Mmed Therapeutics.

7.7 Supervised & Examined three MPH Candidates in drug use management & Community

7.8 Co-ordinated Mmed thesis formulation and supervision 1984 to1994

7.8 Participated in the examination of 14 Ph.Ds. in the college of Health Sciences.

9.0. PUBLICATIONS

- 1 Juma, F. D., Roger, H. J., Trounce, J. R. and Bradbrook, I. A (1978), Investigation of Alkylating activity of cyclophosphamide following: intravenous and orally administered cyclophosphamide. Proceedings of the 9th International Congress of Pharmacology: Paris Pergamon Press London pp. 253-254.

2. Juma, F. D., Roger, H. J., Trounce, J. R. and Bradbrook, (1978),
Pharmacokinetics of intravenous cyclophosphamide in man estimated by Gas Chromatography .Cancer Chemotherapy Pharmac. 1: 229-231.

3. Juma, F. D., Roger, H. J. and Trounce, J. R. (1979).
The kinetics of salivary elimination of cyclophosphamide in man. Br.J.Clin. Pharmacol.. 8: 455-458.

4. Juma, F. D., Roger, H. J. and Trounce, J. R. (1979). Pharmacokinetics of cyclophosphamide and alkylating activity in man after intravenous and oral administration. proceedings of British pharm. Soc. Guys Hospital Medical School 208-217

5. Juma, F. D., Roger H. J. and Trounce. Metabolism of cyclophosphamide Phosphoramidate Mustard And Nitrogen Mustard Br. J Clin. Pharm. 8 419-425

6. Juma, F.D., Roger, H. J. and Trounce, J. R. (1980).
The pharmacokinetics of cyclophosphamide, phosphoramidate mustard and nor-nitrogen mustard studied by chromatography in patients receiving cyclophosphamide therapy. Br. J. Clin. Pharm. 10: 27-335.

7. Juma F.D. (1980) Evaluation of Clinical Pharmacology of oxazophorines with particular reference to clinical pharmacokinetics of Cyclophosphamide, Nitrogen Mustard and Phosphoramidate Ph.D., in Clinical Pharmacology University of London.
8. Juma F.D. Roger H. J. and Trounce Influence of renal disease on disposition of the oxazophorines cyclophosphamide and phosphoramidate mustard In proceedings of 1st world congress on Clinical pharmacology Blackwell Scientific p800- 802
9. Juma, F.D. Roger H.J., Trounce J.R. 1981 Influence of renal failure on the pharmacokinetic of cyclophosphamide. Eur. J. Clin. Pharm. 19: 443-451 .
10. Juma F.D. Roger, H.J. and Trounce, J.R. (1981) Pharmacokinetics of cyclophosphamide in renal insufficiency Eur. J. Clin. Pharmacol. 19: 443.
11. Juma F.D. (1981) Pharmacokinetic factors influencing clinical response. Medicom 3: 4,109.
12. Juma F.D. (1982) Some pharmacokinetic difference in childhood Medicom 3: 6, 179.
13. Juma F.D. (1981) Prescribing habits E.A.M.J. 58: 3, 900.
14. Juma F.D. Practical Therapeutics: Use of antibiotics Kenya E.A.M.J. 6, 1981
15. Juma F.D. (1981) Clinical pharmacology of insulin. Proceedings of Diabetic Association, Tanzania Med. Press, 3: 1981.
16. Juma F.D. (1981) Analysis of drug Prescribing Medicom 3 5: 139.
17. Juma, F.D. Odhiambo, P. A. (1981) Current Concepts in Pain Mechanism.

Medicom 3 No. 3, 87-88.

18. Juma, F.D. (1981) Impact of drug industry on the prescribing sector. *Medicom*. 4 No. 6: 90-91.
19. Juma, F.D.(1984) Treatment of complications of malaria. *E.A.M.J.* 61 9 727.
20. Juma, F. D. Gitau W. and Gachoka, C.(1982).Evaluation of HbA1c in patients on different regimens 11th Congress of the International.Diabetic Federation Alberti K.G.M.M.,Ed *Exerpta Medica* 59 128.
21. Juma, F. D.,(1982) Drugs and the liver. *Medicom* 3:: 200-202.
22. Juma F.D. (1982)Drugs and the liver. *Medicom*. 3,6: 200-202 .
23. Juma F. D. Gitau W. and Gachoka C (1982) Evaluation of diabetic control in Kenya Africans on Various diabetic therapy using, HbA1c 11th Congress Of The Diabetic International Federation Albert K. G. M. M., Edit. 1982 *EXERPTA MEDICA*, Amsterdam (1882).
24. Juma F. D. Gitau, W. and Gachoka C.(1982) Evaluation of diabetic control in Kenya Black Africans on various treatment using HbA1c 13:Br. *J. Clin. Pharmac.* (4) 615-616.
- 25 Juma, F. D., and Ogada (1983)
26. Juma F.D.,Investigation of Pharmacokinetics of Pindolol in Kenya Africans Proceedings of the 3rd World Congress of Clinical Pharmacology ACPT edit Washington (1983).
27. Juma F. D., Gitau W. Gachoka C.(1983) The use of HbA1c in evaluation of

Diabetes Control in Kenya Africans., E.African Med. J 60:160-63.

28. Juma F. D. and Ogada T. (1983) Pharmacokinetics of cyclophosphamide in Kenyan Africans Br.J Clin. Pharmac. 16: 61-63.
29. Juma, F.D. Gitau W., & Gachoka, C. (1983) methods of evaluation diabetic control The HbA1C. E.A.M.J. 60 130-33.
30. Juma, F.D. (1983) Haemorrhage cystic in Africans receiving anticancers. Proc... of APECA 34.
31. Juma F.D. Gikonyo, D. K. (1983) Comparison of Tobramycin and Gentamycin. APECA:81
32. Juma, F.D. Pharmacokinetics of Pindolol in Africans in Viskaldix : Hypertension from East Africa and Canada Sandoz Basle p.221-222.
33. Juma, F. D. (1983) Pharmacokinetics of Pindolol in Kenyan Africans Eur, J. Clin. Pharmacol. 25: 425-426.
34. Juma, F.D. Ogada, T. (1983) Pharmacokinetics of cyclophosphamide in Africans and Caucasians. Brit. J. Clin. Pharmac. 25: Sup 2 601-602.
35. Juma, F.D. (1983) Practical Therapeutics: Chemotherapy of complicated malaria. E.A.M.J. 616 200-201.
36. Juma F.D. (1983) Pharmacology of Pindolol in Kenyan Africans, in hypertension for Africa and Canada Sandoz ed. P 2-3.

37. Juma, F.D.(1984) Effect of liver failure on pharmacokinetics of cyclophosphamide. Eur. J. Clin. Pharmac.
38. Juma, F.D.(1984) Analysis of drugs in biological fluids. Medicom 3: 2, 59-60.
39. Juma, F. D.(1984) Effect of liver failure on the pharmacokinetics of cyclophosphamide Eur. J. Clin. Pharmacol. 26: 591-593.
40. Kato A. & Juma F.D.& Ogeto J. O. Some studies of pattern of muscle toxicity of some African plants: Japanese Annual Meeting of (1986).
41. Juma, F.D.(1988) Clinical Pharmacology of Aminocidine The Nairobi Journal Of Medicine 14: (1) 43-51.
42. Juma F.D. (1984) Gitau, W. & Gachoka, C. Importance of prolactin levels in the treatment of infertility with bromocriptin Eur. J. Clin. Pharmac. 17 3 199
43. Juma F.D.(1984) Effect of liver disease on the pharmacokinetics of Cyclophosphamide. Euro. J. Clin. Pharmacol. 26: 591-593.
44. Juma F.D.(1984) Practical Therapeutics: Treatment of Acute malaria E.A.M.J. 61 1 32-35.
45. Juma, F.D.(1984) Practical Therapeutics: Prophylaxis of malaria E.A.M.J. 61 (3), 254-259.
46. Juma, F.D.(1984) Maitai.C.K. ,Ogeto, J.O. Munenge. R.W., Ochieng, s. A comparative study of efficacy of seven brands of frusemide tablets E.A.M.J. 61 1 6 - 11 (1984).
47. Juma, F.D. Gitau .W., Bwibo N., & Gachoka, C. Haemoglobin A1C in children with sickle cell disease. E.A.M.J. 61 1 32 - 35 (1984).

48. Juma, F.D.(1984) Practical Therapeutics: Treatment of clinical attacks of malaria. E.A.M.J. Vol. 61 86- 89.
49. Juma, F.D.(1985) Pharmacokinetics of methotrexate in Africans. E.A.M.J. Vol. 62 Special Ed. Dec(1985)
50. Juma, F. D.(1985). The impact of genetic engineering on drug development Symposium microsomal and drug Oxidation 1987 Adelaide, Australia Aust. J. Pharmac. 30 190 1977 . E.A.M.J. Vol.62 (4), 290.
51. Juma, F.D. Ogada, T.(1985) Some studies of the clinical pharmacology of cyclophosphamide. Proceedings of Association of Physicians of East and Central Africa 19- 20.
52. Juma, F. D.(1985). Ranitidine in the treatment of peptic ulceration in Kenyans. E.A.M.J. 62: 10: 752-754
53. Juma, F.D.(1986) The clinical pharmacology of Enalapril with particular reference to its treatment of hypertension in Africans. Proceedings of International Conference on Management of Hypertension. Brit. J. Clin. Pharmacology -special supplement Vol. 21 292-293
54. Juma, F.D. Ogeto, J.O. (1986) disposition in Kenya: Lack of Geographical differences. Excerpta Medica 905-906.
55. Juma, F.D. Gachoka, C. (1987) Pharmacokinetics of ranitidine in Kenya European Journal of Pharmacology (symposium series) 290-292.
56. Juma, F.D. & Ferri, Richards. (1987) Comparison of trimbutine, Buscopan and

Metachlopramide in Africans with the disease of the colon. Italian Conference on Trimbutine Rome 1986

57. Juma, F.D. and Ogeto, J. O. (1987) Disposition of Antipyrine in Africans with liver disease. *Brit. Journal of Clin. Pharmacol.* 24. 219-22.
58. Juma, F.D. 1987 Some studies of efficacy and adverse effects of Arcalion in Africans. 10th international Congress of Pharmacology. *Excerpta Medica.* 906)
59. Juma, F.D. 1987 Mechanism of Enzyme induction of cyclophosphamide. 7th International Course clinical drug Use and the Management of The` Committee on safety of Medicines of Great Britain /Hammersmith London
60. Juma, F.D. 1987 Disposition of Antipyrine in African patients with Hodgkin's disease *Brit. J. Clin. Pharmac.* 24, 6, 809-810.
61. Juma, F.D. 1987 Attitude skills and knowledge (ASK) Analysis in the teaching of Clinical Pharmacology *W.H.O. chronicle.*
62. Juma, F.D. 1987 Metabolism of Catholamine (Kut) in humans. *Doping Control 4th All African Games*
63. Juma, F.D. 1987 Pharmacokinetics of drugs in cardiac emergency, *Guys Hospital J.* 96 991.
64. Juma, F.D. 1987 Drug disposition differences. *Editorial Guys hospital J.* 97, 202-203.
65. Juma, F.D. 1987 Investigation of clinical pharmacology of arcalion in Africans

1987. Proceedings of 10th World Congress, Sydney 29-30 Australia
1987.

66. Juma, F.D. 1987 A study of pharmacology of mezocillin in Kenyans, Scandinavian
J. Chem. 40 291.

67. Juma, F.D. 1987 Pharmacokinetics of Enalapril Brit. J. Clin. 24 letter to Ed.

68. Juma, F.D. 1987 Pharmacokinetics of Arcalion Brit. J. Clin. Pharmac. SR
6667/87.

69. Juma, F.D. Odhiambo, P.A. Abdullaj, M. S. 1988. Experience with Enalapril in
African patient with hypertension. M.S.D. Foundation Rep. 8.

70. Juma, F.D. 1987 Experience with Enalapril in patients with cardiac failure.
M.S.D. Foundation rep.4.

71. Juma, F.D. 1987 Investigation of some clinical pharmacokinetic factors in Kenya.
MD.thesis 1987.

72. Juma, F.D. 1987 Registration for D.Sc. in the University of London on Variability
in drug response. For examination in 1998.

73. Juma, F.D. 1987 Editorial pharmacokinetic consideration in treatment of severe
heart disease. E. A. M. J. 64 7 4333 - 434.

74. Juma, F.D. 1987 Some experiences and investigation of adverse reactions in
patients on various drugs. Proceedings of the International Congress on
Toxicology in the developing world. 90 196-200.

75. Juma, F.D. and Ogeto J. (1987) Some studies of the clinical pharmacology of Enalapril-Angiotensin enzyme converting inhibitor. Proceedings of 3rd African Congress on Clinical Pharmacology.
76. Juma, F.D. and Ng'anga J. (1987) Identification and characterization of an active metabolite of ciproflaxin and study of the antimicrobial activity of ciproflaxin. Proceedings of British Pharmacological Society Oxford, U.K 12, 1987.
77. Ogeto J, Juma FD & Kofi Tsekupe (1987) Studies of Chloroquine & its Metabolites Proceedings of British Pharmacological Society Oxford, U.K 23, 1987.
78. Juma, F.D. 1988 Arcalion is of use for treatment of Asthenia. Proceedings of 10th International congress of Pharmacology. Sydney Australia Excerpta Medica. 900-910.
79. Juma, F.D. and Wambua P.P.M and Gitau W. (1988) Development of method and assay of sorbitol in diabetics. E.A.M.J. 62
- .
80. Juma, F.D. and Wambua P.P.M. (1988) Comparison of sorbitol and Haemoglycosylated Haemoglobin in management of diabetes Mellitus. SOCEPTA 2: 40, 1990
80. Juma, F.D. and Wambua P.P.M. 1988 Evaluation of diabetic control in insulin requiring diabetics. SOCEPTA 2:72, 1990.
81. Juma, F.D C. Gachoka. 1988 The levels of Haemoglycosylated haemoglobin in expectant mothers. Proceedings of the Gynaecology & Obstetric Association of Africa. 20.
82. Juma, F.D. 1988 Management of poisoning in children and adults some current trends. Transactions British Poison Centre Abstract 21 1988

83. Juma, F.D. 1988 Proceedings of the Kenya Paediatric Assoc. Ed. J. Alwar & Ndombi. The clinical pharmacology of Kelfepim. Nairobi J. Medicine Vol. 13 No 2 50-56.
84. Juma, F.D. 1988 The clinical pharmacology of Aminosidine. Nairobi J. Medicine Vol.14 No 1 45-50.
85. Juma, F.D. 1988 The clinical presentation of post viral fatigue syndrome. A study of 32 cases. Nairobi, J. Medicine. Vol. 14 No2.
86. Juma, F.D. 1988 The management of Juvenile diabetics with insulin. Proceedings of Pan Africa Federation of Diabetes Mellitus, Nairobi Kenya. Ad. A Mngola (1988)
87. Juma, F.D. 1988 Clinical Experience with Bayerpen. Proceedings of the 6th Mederreanean congress on Chemotherapy Tormina Islands Noxas Beach 291 1988.
88. Juma, F. D. Kato A., Ogeto J, Ichamaru M. Mshukawa M. Moriyasn M Fukuoka, N. Kushida K 1989. Studies of unused medicinal resources in Africa, occurrence of sulphur compounds in cassipourea genus in Kenya Japanese Journal of Natural products.
89. Juma, F. D. Ogeto J. O. Mefloquine disposition in normals and in patients with severe plasmodium falciparum malaria. Eur. J. Drug Metabolism and pharmacokinetics, 14 1 15 -17, 1989
90. Juma, F. D. Further studies on clinical pharmacokinetics of Pindolol. Afr. Clin. 6 : 4-6. 1989.
91. Juma, F.D. Kato A. , Ogeto J. et al . Screening tests to detect biologically active compounds in crude drugs in Kenya. Japanese J. Ass. African. Studies 177-9 1989.

92. Juma, F. D. Kato A. , Ogeto J. Et al Studies on ethnic crude drugs in Africa. Alkaloid containing crude drugs in Kenya. Japanese Assoc. African. Studies 16 6 3-4, 1989
93. Juma, F.D. Kato A., (1989) Studies of the medicinal constituents of the genus using high performance computers assisted mass spectrometry.
94. Juma, F.D. Kato A. , Ichamaru; M., Moriyasu M, Inohana Y., Ogeto J. Medicinal Alkaloid constituents of *Monanthes fornicata*. Proceedings of the Japanese Pharmaceutical Society 110 21-23 8, 1990.
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6.0 SHOWS & EXHIBITIONS

6.1 Planned & Executed Nairobi Show 1994.

6.2 Planned & Executed College Day Exhibition 1995.

6.3 Planned 1995 Nairobi Show leave 1995.

8.0 Consultations in training & Editorial Journal Activities

8.1 Consultant Physician throughout Kenyatta National Hospital

8.2 External Examiner in Clinical Pharmacology in all 15 medical schools in
Comensa.

External Examiner to 34 Ph.D. in Clinical Pharmacology in Public
Health, Clinical Pharmacology in Afroasia & Western World.

Secretary general / society of Clinical & Experimental Pharmacology in
the PTA (SOCEPTA).

8.5 Chairman Editorial Board New African Journal of Medicine