

CURRICULUM VITAE



BIOGRAPHIC DATA

Name: Professor Jefitha Karimurio

Current employment: Lecturer in Ophthalmology, Department of Surgery, Faculty of Health Sciences, University of Nairobi

Citizenship: Kenyan

Date of birth: 27th September 1956

Sex: Male

Languages: Fluent in English, Kiswahili and Kikuyu

Marital status: Married to Lydia Karimurio, has two adult children (Salome and Peter)

Religion: Christian

Contacts:

- Place of work: Department of Ophthalmology, University of Nairobi
- P.O Box: 2683-002, Kenyatta National Hospital Nairobi
- Telephone: +254 718057138

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CURRENT POSITION

I am an associate professor and lecturer in Ophthalmology at the Department of Surgery, Faculty of Health Sciences, University of Nairobi. I serve as external examiner for the College of Ophthalmology of East, Central and Southern Africa (COECSA) and several African Universities. In addition, I served as a Board member of the University of Nairobi Graduate School in 2020 and 2021. I provide advisory services to the Government of Kenya and World Health Organization through several Working groups and Experts Committees where I am a member.

I am involved in planning, management, teaching, research, consultancy, and outreach activities. The Ophthalmology Unit of the University of Nairobi has a vibrant outreach network with satellite eye care centres in rural Kenya with strong connection to National and County health care systems. I spearheaded development of several MOUs between the University of Nairobi, County Governments, donor agencies and other institutions. I have been actively involved in fundraising for scholarships for staff development and postgraduate students, equipment, consumables and for instructional development.

EDUCATION

In 2012, I became the first Kenyan university lecturer to acquire a doctorate degree in Ophthalmology. I am qualified in both clinical and public health ophthalmology. My formal education includes:

1. 2009-2012: PhD in Ophthalmology, University of Melbourne
2. 1998-1999: Masters of Science in Community Eye Health, University College London (UCL)
3. 1987-1990: Masters of Medicine in Ophthalmology, University of Nairobi
4. 2006, Founder Fellow of the Eastern Africa College of Ophthalmologist (FEACO). The College was expanded in 2012 to create the College of Ophthalmologists of Eastern Central and Southern African region (COECSA)
5. 1978 – 1984, Bachelor of Medicine and Bachelor of Surgery, University of Nairobi
6. A' level 1976 – 1977, Kanunga High School
7. 'O' level 1972-1975, Kianyaga High School
8. 1963 –1971, Mutira Primary School

AWARDS AND SCHOLARSHIPS

1. 2014: Distinguished Neglected Tropical Disease (NTD) Research Award by the Kenya Medical Research Institute (KEMRI) awarded during the annual KEMRI Annual Scientific and Health (KASH) NTD Conference
2. 2012: Centre for Eye Research Australia (CERA) outstanding contribution of a PhD student award: researchers, students and staff at CERA/Department of Ophthalmology of the University of Melbourne vote to select the outstanding PhD research project of the year
3. 2012: Harold Mitchell Postgraduate Travel Fellowship award: an annual merit award to the outstanding PhD student at the Department of Ophthalmology, University of Melbourne. The award enabled me to attend the 9th General Assembly of the International Agency for the Prevention of Blindness (IAPB) and a one-week academic visit to the LV Prasad Eye Institute in Hyderabad, India, September 2012. This included a 4-day attachment to world renowned Andhra Pradesh Eye Disease Study (APEDS)
4. 2011: William Angliss (Victoria) Charitable Fund travel award: awarded to researchers with quality research findings to present at international conferences. It enabled me to present my PhD research findings at the 43rd Royal Australian and New Zealand Congress of Ophthalmology (RANZCO) Conference in Canberra, November 2011.
5. 2010-2012: Sightsavers (UK) travel award: a non-competitive award in recognition of the great impact my PhD research had on the global trachoma control policy. It paid for my Melbourne-Nairobi air tickets (field work) and presentation of my research findings at the XXXIII World Ophthalmology Congress (WOC) in Abu Dhabi in February 2012
6. 2009-2012: Melbourne International Fee Remission Scholarship (MIFRS) and the Melbourne International Research Scholarship (MIRS): both awarded by the University of Melbourne University, to pay for my PhD in Ophthalmology expenses in Australia
7. 1998-1999: Department for International Development (UK) scholarship award: paid for my MSc in Community Eye Health (CEH) course at the University of London
8. 1996: German Academic Exchange Service (DAAD) scholarship: paid for my three-month clinical attachment at the University of Munich, Germany

EMPLOYMENT RECORD

1. 2021: Appointed Member of the Corruption Prevention Committee (CPC) of University of Nairobi Graduate School
2. 2020-2021: Served as a Board Member of the then University of Nairobi Graduate School for and represents the then College of Health Sciences in the Board
3. 2015 to 2021: Chairman and Senate representative of the Department of Ophthalmology, School of Medicine, College of Health Sciences, University of Nairobi
4. 2013 to date: Associate Professor of Ophthalmology, University of Nairobi
5. 21013 to 2014: Head of research, Department of Ophthalmology, University of Nairobi
6. 2007 to 2013: Senior Lecturer, Department of Ophthalmology, University of Nairobi, and head of community ophthalmology modules
7. 1995 to 2007: Lecturer in Ophthalmology, University of Nairobi
8. 1994 to 1995 Acting Provincial Medical Officer (PMO), Central Province
9. 1993 to 1995: Provincial Medical Superintendent (PMS), Nyeri Provincial Hospital and Zonal Eye Surgeon (ZES) for Zone 'D' (Central). Kenya is divided into 10 eye care zones (geo-medical units)
10. 1990 to 1993: PMS Machakos General Hospital and ZES for Zone 'B' (Lower Eastern Kenya).
11. 1985 to 1987: Medical Officer, Murang'a District Hospital
12. 1984 to 1985: Medical Officer Intern, Machakos General Hospital

ACADEMIC DUTIES

1. 1995 to date: Teaching undergraduate and post-graduate students
2. 1995 to date: Supervision ophthalmic and public health post- graduate research projects
3. 2013 to date: Examiner for CECSA fellowship exams

4. 2021: Chief external examiner of COECSA fellowship exams held in Addis Ababa, Ethiopia
5. 2019-2021: External examiner for undergraduate students, Mount Kenya University
6. 2018: External examiner for the inaugural Zambia Colleges of Medicine and Surgery (ZACOMS) Ophthalmology examination, Kitwe, Zambia
7. 2018: External examiner for postgraduate dissertation, University of Cape Town
8. 2016-18: External examiner for postgraduate examinations, University of Zambia
9. 2015-17: External examiner for postgraduate examinations, University of Malawi
10. 2015-17: External examiner for postgraduate examinations, University of Dar es Salaam

RESEARCH

Publications:

1. Mwangi N, Gachago M, Gichangi M, Gichuhi S, Githeko K, Jalango A, **Karimurio J**, Kibachio J, Muthami L, Ngugi N, Nduri C, Nyaga P, Nyamori J, Zindamoyen ANM, Bascaran C, Foster A. Adapting clinical practice guidelines for diabetic retinopathy in Kenya: process and outputs. *Implement Sci* (2018) 13:81, <https://doi.org/10.1186/s13012-018-0773-2>
2. Mwangi N, Gachago M, Gichangi M, Gichuhi S, Githeko K, Jalango A, **Karimurio J**, Kibachio J, Ngugi N, Nyaga P, Nyamori J, Zindamoyen ANM, Bascaran C, Foster A. Clinical guidelines for diabetic retinopathy in Kenya: an executive summary of the recommendations. *J Ophthalmol East Cent & S Afr.* 2017;21(2): 33-9
3. Gichuhi S, Gichangi M, Nyamori J, Gachago M, Nyenze M, Nyaga PT, **Karimurio J**. Evaluation of the Kenyatta National Hospital diabetic retinopathy screening program. 2015-2016 *J Ophthalmol East Cent & S Afr.* 2017;21(2): 40-5
4. **Karimurio J**, Rono H, Njomo D, Sironka J, Kareko C, Gichangi M, Barasa E, Mwangi A, Kefa R, Kiiio F. Use of validated community-based trachoma trichiasis (TT) case finders to measure the total backlog and detect when elimination threshold is achieved: a TT methodology paper *Pan Afr Med J.* 2017;27:84. doi:10.11604/pamj.2017.27.84.11266

5. Niyonzima JC, Nyenze EM, **Karimurio J**, Kandeke L. To what extent has Burundi achieved VISION 2020, “The Right to Sight” global initiative, targets for eye service delivery? *J Ophthalmol East Cent & S Afr.* 2016;20(2): 52-6
6. **Karimurio J**, Njomo D, Gichangi M, Rono H, Barasa E, Odhiambo G. Facial cleanliness and prevention of cross-border spread of Chlamydial infection are vital in elimination of active trachoma in Narok County *J Ophthalmol East Cent & S Afr.* 2016;20(1):8-11.
7. Njomo D, **Karimurio J**, Odhiambo G, Mukiri M, Barasa E, Rono H, et al. Knowledge, practices and perceptions of trachoma and its control among communities of Narok County, Kenya. *Trop Dis Travel Med Vaccines.* 2016;2(13):3-10
8. **Semanyenzi SE, Karimurio J, Nzayirambaho M.** Prevalence and pattern of refractive errors in high schools of Nyarugenge District. *Rwanda Med J.* 2015;72(3):8-13
9. **Karimurio J.** Editorial article: Tips on how to write a competitive research proposal. *J Ophthalmol East Cent & S Afr.* 2014;18(2):47-8
10. Kigen G, Rotich J, **Karimurio J**, Rono H. Collateral benefits arising from mass administration of azithromycin in the control of active trachoma in resource limited settings. *Pan Afr Med J.* 2014;19:256
11. Barasa E, Otieno S, **Karimurio J.** The prevalence and pattern of visual impairment and blindness among Primary School pupils in Kitale Municipality, Kenya. *J Ophthalmol East Cent & S Afr.* 2013;17(2):67-71
12. **Karimurio J**, Rono H, Barasa E, Mukiri M, Gichangi M. Active trachoma is an infectious disease, stop treating it administratively. *J Ophthalmol East Cent & S Afr.* 2013;17(1):26-30
13. **Karimurio J**, Rono H, Barasa E, Mukiri M, Gichangi M. Epidemiological assessment of a large geographical area with clustered trachoma: The Upper Eastern Kenya survey. *J Ophthalmol East Cent & S Afr.* 2013;17(1):31-6
14. **Karimurio J**, Rono H, Richard LM, Mutuku M, Keeffe JE. What is the appropriate age range of individuals to be included in a survey to estimate the prevalence of trachomatous trichiasis? *Br J Ophthalmol.* 2011;95:1058-1060

15. **Karimurio J**, Le Mesurier R, Mutuku M, Keeffe J. Cost and consequences of trachoma survey and mass drug administration in the Narok district in Kenya (abstract). *Clin Exp Ophthalmol*. 2011;39:58
16. Briesen S, Roberts H, Ilako D, **Karimurio J**, and Courtright P. Are Blind People More Likely to Accept Free Cataract Surgery? A Study of Vision-Related Quality of Life and Visual Acuity in Kenya. *Ophthalmic Epidemiol*. 2010;17(1):41–49
17. Migaine M, **Karimurio J**, Gichuhi S, Githeko K. Intraocular pressure in patients receiving intravitreal triamcinolone acetanide in Kikuyu Eye Unit, Kenya. *East Afr J ophthalmol*. December 2009;15(2):46-52
18. Njeru SN, Otieno SA, **Karimurio J**. Prevalence of significant refractive errors in high school students in Meru Municipality in Kenya. *East Afr. J Ophthalmol*. December 2009;15(2):39-40
19. Kimani K, **Karimurio J**, Gichuhi S, Marco S, Nyaga G, Wachira J, Ilako D. Barriers to utilization of eye care services in Nairobi Comprehensive Eye Care Project. *East Afr J Ophthalmol*. November 2008; 14(1):55-61
20. **Karimurio J**, Kimani K, Gichuhi S, Kollmann KHM. Baseline trachoma survey in the ELCK-Arsim integrated development project of Samburu District, Kenya. *East Afr J Ophthalmol*. May 2008;14(1):49-54
21. **Karimurio J**, Kimani K, Gichuhi S, Marco S, Nyaga G, Wachira J, Ilako D. Eye disease and visual impairment in Kibera and Dagoreti Divisions of Nairobi, Kenya.; *East afr j ophthalmol*. May 2008;14(1):41-49
22. Rono K, Ilako D, Kollmann M, **Karimurio J**. Height as proxy for weight in mass azithromycin dosing of Kenyan children with active trachoma. *East Afr J ophthalmol*. May 2008;14(1):13-23
23. Kahaki K, Ciku M, Sheila M, Onyango O, Wachira W, Elkana O, Kagondou F, **Karimurio J**, Hans L. Cataract Surgical Services, Outcome and Barriers in Kericho, Bureti and Bomet Districts, Kenya. *East Afr J Ophthalmol*. May 2008;14(1):35-40
24. **Karimurio J**, Sheila M, Gichangi M, Adala H, Huguet P. Rapid assessment of cataract surgical services in Embu district, Kenya. *East Afr J ophthalmol*. 2007;13: 20-26

25. **Karimurio J**, Ilako F, Gichangi M. Prevalence of active and potentially blinding trachoma in Laikipia district, Kenya. *East Afr J Ophthalmol.* 2007;**13**:39-42
26. Nyenze E., Ilako D. **Karimurio J**. KAP survey on treatment of eye diseases among traditional healers in Kitui district of Kenya *East Afr J Ophthalmol.* 2007;**13**:6-9
27. Onyango ON, **Karimurio J**, Gichuhi S. Eye diseases in a high HIV-risk group; the Majengo commercial sex workers in Nairobi, Kenya. *East Afr J Ophthalmol.* 2007;**13**:52-55
28. **Karimurio J**, Gichuhi S. Editorial: It is time for evidence based community interventions in prevention of blindness. *East Afr J Ophthalmol.* 2007;**13**:2-3
29. Mwale C, **Karimurio J**, Njuguna M. Refractive status of type II diabetic patients at Kenyatta National Hospital. *East Afr Med J.* 2007;**84**:259-263
30. **Karimurio J**, Ilako F, Gichangi M. Trachoma control using SAFE with azithromycin: Experiences from a Kenyan pilot project. *Afr Med J.* 2007; **84**: 127-135
31. Tambe E, **Karimurio J**, Masinde S. Efficacy of topical prednisolone phosphate 1% eye drops in reducing recurrences after bare sclera pterygium surgery. *East Afr J Ophthalmol.* 2007; **13**:31-35
32. Marco S, **Karimurio J**, Kariuki M, Lubanga P. Visual loss and ocular involvement in adult patients with intracranial neoplasms in Kenyatta National Hospital, Nairobi, Kenya. *East Afr J Ophthalmol.* 2007;**13**:15-20
33. **Karimurio J**, Gichangi M, Ilako D, Kilima P, Adala H. Prevalence of Trachoma in six districts of Kenya *East Afr Med J.* 2006;**83**:63-68
34. **Karimurio J**, VISION2020 “The Right to Sight Global Initiative”, Editorial article, *East Afr J Ophthalmol* 2006;**12**:1-3
35. Ndegwa L, **Karimurio J**, Okelo R, Adala H. Prevalence of visual impairment and blindness in a Nairobi urban population *East Afr Med J.* 2006;**83**:69-72

36. Nzuki H, **Karimurio J**, Masinde S, Significant refractive errors in standard eight pupils attending public schools in Kibera Division of Nairobi city. East Afr J Ophthalmol. 2006;**12**: 13-14
37. Mwangi C, **Karimurio J**, Ilako D, Vision of Public Service Vehicle (PSV) drivers and road traffic accidents in Nairobi city. East Afr. J Ophthalmol. 2006;**12**: 36-38
38. S.K. Chisi, M.K.H Kollmann, **Karimurio J**. Conjunctival squamous cell carcinoma in patients with human immunodeficiency virus infection seen at two hospitals in Kenya. East Afr. Med. J. 2006 **83**:267-270
39. Ndegwa L, **Karimurio J**, Okelo R, Adala H. Barriers to utilization of eye care services among slum dwellers of Kibera in Nairobi, Kenya East Afr. Med. J. 2005; **82**:506-508
40. **Karimurio J**. National Prevention of Blindness Programmes and VISION 2020; Africa programme: Kenya. J Comm Eye Health. 2000;**13**: 53-54
41. **Karimurio J**. "Accessibility and delivery of cataract surgery in Africa". Abstract published in a supplement of "Clinical and Experimental Ophthalmology". Guest speaker at the XXIXth International Congress of Ophthalmology (The World Meeting of Ophthalmologists) in Sydney Australia, 2001

Post graduate dissertations submitted by self

1. Karimurio J. The "segment knockout" survey method for large trachoma-endemic districts. PhD thesis. Department of Ophthalmology, University of Melbourne, Australia 2012. Permanent URL: <http://repository.unimelb.edu.au/10187/16267>
2. Karimurio J. Costs and productivity of cataract surgery in different eye care settings in Kenya. MSc in Community Eye Health dissertation. University College London, UK 1999. <https://www.iceh.org.uk/display/WEB/Karimurio+J>
3. Karimurio J. Comitant Esotropia in a Kenyan African Population at Kenyatta National Hospital. M.MED dissertation University of Nairobi, 1990 (copy available at the Department of Ophthalmology library). <http://profiles.uonbi.ac.ke/karimurio/publications/costs-and-productivity-cataract-surgery-different-eye-care-settings-kenya>

Masters dissertations supervised to completion

1. **Dr. Beatrice Moraa Nyabuga:** Prevalence, capacity, and barriers to management of diabetic retinopathy in Mbagathi hospital in Nairobi, Kenya. **Supervisors:** Prof. Karimurio J, Dr. Bore M, and Dr. Ogundo C
2. **Dr. Ajar P:** Ocular manifestations in rheumatoid arthritis patients attending the rheumatology clinic at the Kenyatta National Hospital (2019). **Supervisors:** Dr. Marco S, Prof. Karimurio J
3. **Dr. Maswai C:** Trachomatous trichiasis case identification and management in East Pokot, Baringo County(2018). **Supervisors:** Prof. Karimurio J. Dr. Gichuhi S
4. **Dr. Mutinda L:** Assessment of diabetic screening using fundus camera at KNH (2018). **Supervisors:** Dr. Muchai G, Prof. Karimurio J
5. **Muraguri J.** Phacoemulsification versus manual small incision cataract surgery for age-related immature cataract at the Sabatia Eye Hospital between 2012 and 2015 (2017). **Supervisors:** Prof. Karimurio J, Dr. Nyenze E, Dr. Sitati S
6. **Ong'an'go F.** Causative organisms in microbial keratitis and their sensitivity pattern in Kenyatta National Hospital (2017). **Supervisors:** Dr. Stephen Gichuhi, Prof. Karimurio J
7. **Mustapha J.** Outcomes of surgery for primary congenital glaucoma in Kenya: A retrospective case series (2016). **Supervisors:** Prof. Karimurio J, Dr. Marco S, Dr. Mundia D
8. **Niyonzima J.** Assessment of the extent to which the VISION 2020 "The Right to Sight" global initiative eye care delivery targets have been met in Burundi by 2015 (2016). **Supervisors:** Dr. Nyenze M, Prof. Karimurio J, Dr. Dr. Kandeke L
9. **Shyabuya M:** Outcome of age related cataract surgery in patients attending Tenwek Mission Hospital (2016). **Supervisors:** Dr: Njambi L, Prof. Karimurio J, Dr. Roberts B
10. **Niyonsavye L:** Knowledge, Attitudes And Practices (KAP) on Diabetic Retinopathy among General Practitioners in district and regional hospitals in the North region of Burundi (2015). **Supervisors:** Dr. Kariuki M, Prof. Karimurio J, Dr. Dr. Kandeke L
11. **Monday J:** Pattern of ocular findings among patients aged 40 years and above attending an eye clinic in Juba Teaching Hospital, Southern Sudan (2014). **Supervisors:** Prof. Karimurio J and Dr. Ollando E

12. **Bitok M:** Outcome of age related cataract surgery at Sabatia Eye Hospital, western Kenya (2014). **Supervisors:** Dr. Kariuku M, Dr. Karimurio J and Dr. Ollando E
13. **Mumbi B:** Ocular manifestations of Sickle Cell Disease at the University Teaching Hospital, Lusaka, Zambia (2014). **Supervisors:** Prof. Karimurio J, Njambi L and Chipalo-Mutati G
14. **Remezo P:** Ocular manifestations of HIV as seen at Kamenge University Hospital in Burundi (2014). **Supervisors:** Prof. Karimurio J, Prof. Ilako D and Ruhagaze P
15. **Migaine M:** Intraocular Pressure Changes in Eyes Receiving Intravitreal Triamcinolone Acetonide in Kikuyu Eye Unit (2009). **Supervisors:** Dr. J. Karimurio and Dr. S. Gichuhi
16. **Briesen S:** Quality of Life and willingness to accept cataract surgery, Kwale Eye Hospital community project, Kenya (2008). **Supervisors:** Prof. D. Ilako and Dr. J. Karimurio
17. **Mtangana K:** Prevalence and Pattern of diabetic retinopathy in the 3 main hospitals in Kigali, Rwanda (2008). **Supervisors:** Dr. M. Kariuki and Dr. J. Karimurio
18. **Youfegan M:** Outcome of cataract surgery in patients with pseudoexfoliations syndrome at Lions Eye Hospital, Nairobi (2008). **Supervisors:** Dr. Kimani and Dr. J. Karimurio
19. **Bett J:** Ocular manifestation of Rift Valley fever as observed in the 2006 epidemic in Kenya (2008). **Supervisors:** Prof. D. Ilako and Dr. J. Karimurio
20. **Monze N:** Review of the surgical outcomes of childhood cataract at Kikuyu eye unit (2007). **Supervisors:** Dr. M. Kariuki and Dr. Karimurio
21. **Nyenze M:** KAP survey on treatment of eye diseases among traditional healers in Kitui district (2007). **Supervisors:** Prof. D. Ilako and Dr. Karimurio
22. **Mwale C:** Prevalence and pattern of refractive errors among diabetic patients seen at Kenyatta National Hospital (2006). **Supervisors:** Dr. J. Karimurio and Dr. M. Njuguna
23. **Sheila M:** Ocular manifestation of patients with CNS tumours at Kenyatta National Hospital (2006). **Supervisors:** Dr. J. Karimurio, Dr. M. Kariuki and Dr. R. Lubanga

24. **Rono H:** Use of height as proxy indicator for determining the dosage of Azithromycin in children from two trachoma endemic districts in Kenya (2006). **Supervisors:** Prof. D. Ilako and Dr. J. Karimurio
25. **Makau G:** Prevalence of Trachoma and resources for SAFE in Meru District, Kenya (2005). **Supervisors:** Prof. D. Ilako, Prof. M. Kollmann and Dr. J. Karimurio
26. **Onyango O:** Survey of eye disease in high risk HIV group: commercial sex workers in Majengo slums, Nairobi (2004). **Supervisors:** Dr. J. Karimurio and Dr. S. Gichuhi
27. **Nzuki H:** Significant refractive errors in class 8 pupils attending public schools in Lang'ata Division, Nairobi (2004). **Supervisors:** Dr. J. Karimurio and Prof. Masinde
28. **Chisi S:** Magnitude and pattern of conjunctival squamous cell carcinoma in HIV positive patients in two major hospitals in Kenya (2004). **Supervisors:** Prof. M. Kollmann and Dr. J. Karimurio
29. **Matende I:** Prevalence and pattern of trachoma in Shompole location, Magandi Division, Kajiando District, Kenya (2003). **Supervisors:** Prof. M. Kollmann and Dr. Karimurio
30. **Cofie C:** Magnitude and pattern of irreversible binocular and monocular blindness in Kenyatta National Hospital, Nairobi, Kenya (2002). **Supervisors:** Prof. M. Kollmann & Dr. J. Karimurio
31. **Kabiru J:** What is the right intraocular lens power for cataract surgery on eye safaris? (2001). **Supervisors:** Prof. M. Kollmann and Dr. J. Karimurio
32. **Patel M:** Pattern of Orbital-Oculo-Adnexal tumour and their association with HIV status as seen at two major hospitals in Kenya (2001). **Supervisors:** Prof. H. Adala and Dr. J. Karimurio
33. **Mwangi C:** Vision assessment of public service vehicle drivers in Nairobi (2001). **Supervisors:** Dr. J. Karimurio and Prof. D. Ilako
34. **Rubongoya T:** Output and outcome of cataract surgery in the University of Nairobi outreach programme at Litein (2001). **Supervisors:** Dr. J. Karimurio and Prof. D. Ilako

35. **Tambe E:** The efficacy of topical prednisolone in reducing recurrences in pterygium surgery (1998). **Supervisors:** Prof. S. Masinde and Prof. J. Karimurio

36. **Kagundu F:** Non-glaucomatous Optic Atrophy at Kenyatta National Hospital (1998). **Supervisors:** Prof. D. Ilako and Prof. J. Karimurio

Ongoing supervision of dissertations, University of Nairobi

1. **Dr. Chege Teresia Wangui:** Pattern and outcome of anterior segment injuries following ocular trauma in Kikuyu Eye Unit. **Supervisors:** Dr. Bore M, Prof. Karimurio J., and Dr. Maria W.
2. **Dr. Nadya Mustafa Omar:** Prevalence and pattern of ocular manifestation of SARS-COV-2 (COVID-19) infections in Kenya. **Supervisors:** Prof. D. Ilako, and Prof. Karimurio J.
3. **Dr. Hafsa Abdulkadir Mohamed:** audit of visual outcome of cataract surgery in Garissa General Hospital. **Supervisors:** Dr. Mukiri M., and Prof. Karimurio J.

Masters in Public Health (MPH) dissertations supervised to completion, Kenyatta University

1. **Barasa E:** The prevalence and pattern of visual impairment and blindness among primary school pupils in Kitale Municipality in Kenya (2011). **Supervisors:** Dr. S. Otieno and Dr. J. Karimurio
2. **Njeru S:** Significant refractive error in high schools in Meru, Eastern Province, Kenya (2009). **Supervisors:** Dr. S. Otieno and Dr. J. Karimurio
3. **Liban M:** Barriers to uptake of cataract surgical services in Merti Division, Isiolo District, Kenya (2005). **Supervisors:** Dr. S. Otieno and Dr. J. Karimurio
4. **Ndegwa L:** Magnitude and causes of visual impairment and utilization of eye care services among slum dwellers of Kibera in Nairobi, Kenya. **Supervisors:** R Otieno, J Karimurio and H Adala

MPH dissertations supervised to completion at the National University of Rwanda

1. **Saiba E:** Prevalence and pattern of refractive errors in high schools of Nyarugenge District in Rwanda (2013). **Supervisors:** Prof. Karimurio J and Dr. Dr Nzayirambaho M

PhD Board of Examiners attended

Date	University	Name of PhD Candidate	Title of PhD thesis
22/05/2021	University of Nairobi School of Nursing	David Kigaya Kaniaru	Blended approach mode in teaching and learning of undergraduate nursing students in Kenyan universities
12/01/2021	University of Nairobi, KAVI-Institute of Clinical Research	Oduor Joseph Michael Ochieng	Complete genome analysis of lytic phages and identification of hypothetical phage proteins targeting major protein complexes of <i>staphylococcus aureus</i>
10/12/2020	University of Nairobi School of Medicine	George Nyakundi Gwako	Association between antenatal care utilization, Quality of antenatal care, and quality of intrapartum care with stillbirths in four tertiary hospitals in Nairobi, Kenya: A multi design study
09/12/2020	University of Nairobi School of Medicine	Sitati Fred Chuma	Osteoporosis, hypervitaminosis D and their correlates among postmenopausal women in Kiambu County
08/12/2020	University of Nairobi School of Medicine	Idenya Pamela Mandela	Evaluation of adult hand tests in relation to anthropometric measurements amongst preclinical medical students
03/12/2020	University of Zambia School of Public Health	Kangwa Ichengelo Mulenga Muma	Determinants of primary open angle glaucoma in Zambia: the role of genetics and corneal thickness
19/11/2020	University of Nairobi School of Medicine	Harrison Ndung'u Mwangi	Integrating bioinformatics mechanism-based screening into kinetoplastids protozoa rRNA targets compound discovery paradigm
10/11/2020	University of Nairobi Institute of Tropical and Infectious Diseases	Maurice Onditi Kodhiambo	Socio-economic and health system determinants of access to pediatric malaria treatment in Homa Bay County, Kenya
10/11/2020	University of Nairobi School of Pharmacy	George Arthur Mugendi	Characterization of the steady state concentrations and pharmacogenetics of atazanavir in Kenyan HIV positive patients
24/11/2020	University of Nairobi School of Pharmacy	Julia Wanjiru Kimondo	An Evaluation Of Antioxidant And Anti-Inflammatory Effects Of Natural Foods And Medicinal Plants Of The Ilkisonko Maasai Community, Kenya

Books and manuals

1. 2018: Lead consultant in development of the Kenya Standardized Protocol for assessment of burden and services for diabetic retinopathy (DR) in all referral hospitals in Kenya
2. 2017: Member of technical working group which developed and reviewed the Kenya National Guidelines for Diabetic Retinopathy
3. 2015: Lead in development of the strategic plan for eye care research for the Department of Ophthalmology of the University of Nairobi
4. 2013: Lead consultant in preparation of the Kenya Trachoma Research Agenda 2013-18 of the Ministry of Health
5. 2002: Reviewer of the Clinical Guidelines for Diagnosis and Treatment of Common Conditions in Kenya: <http://apps.who.int/medicinedocs/documents/s16427e/s16427e.pdf>

Project reports, plans and research protocols

1. 2019: Conducted and submitted report of end-term evaluation of the “Up-scaling screening of children using Portable Eye Examination Kit (Peek) in schools in Trans Nzoia County, Kenya”. This was the inaugural Peek project funded by the Seeing-is-Believing (SiB) Innovation Fund.
2. 2018: Conducted and submitted the report of end-term evaluation of the Seeing-is-Believing phase V project (SiB V) which was also referred to as the Rift Valley region prevention of blindness program in Kenya. The overall goal of the project was to contribute towards elimination of avoidable blindness in Kenya by strengthening community outreach in six counties in the former Rift Valley Province. The implementing partners were Ministry of Health, OEU and County Departments of Health of Trans Nzoia, West Pokot, Narok, Elgeyo Marakwet, Uasin Gishu and Nandi.
3. 2018: Principal Investigator in development of standardized protocol for assessment of the burden and services for diabetic retinopathy (DR) in referral hospitals in Kenya
4. 2018: Conducted and submitted the report of assessment of the magnitude, risk factors and capacity to manage diabetic retinopathy (DR) at Kitale Level 5 Hospital in Kenya

5. 2017: Principal Investigator in development of research protocol to assess the magnitude, risk factors and capacity to manage diabetic retinopathy (DR) at Kitale Level 5 Hospital in Kenya
6. 2016: Principal Investigator in development of DR component of the National Hypertension and Diabetes (NAHENDA) survey to assess the distribution, risk factors and cost effectiveness of diagnostic strategies
7. 2014: Submitted the report of the second trachoma Impact survey report for Narok which included both a prevalence survey and a KAP study. The project is jointly sponsored by the Government of Kenya and Operation Eyesight Universal
8. 2014: Submitted the Kenya National Trachoma Situation Analysis report on behalf of the Queen Elizabeth Diamond Jubilee Trust Fund
9. 2013: drafted the Kenya multi-disciplinary trachoma operational research agenda to be jointly implemented by the following disciplines of the Ministry of Health, University of Nairobi and KEMRI: Ophthalmology, social sciences, environmental health, microbiology, public health and health economics
10. 2010: Submitted the baseline trachoma survey report for Turkana district (part of my PhD research) to the government of Kenya and NGO partners
11. 2010: Submitted the impact assessment trachoma survey report trachoma survey for Turkana district (part of my PhD research) to the government of Kenya and NGO partners
12. 2009: Completed and submitted report on Narok district trachoma Knowledge, Attitudes and Practices (KAP) survey on behalf of OEU and MOH
13. 2009: Conducted and submitted report of midterm evaluation of the EU sponsored trachoma programme in Kenya (Kajiado, Loitokitok, Laikipia and Samburu)
14. Completed and submitted report of the SSI supported Kenya Ophthalmic Programme (KOP)
15. 2008: Submitted the draft National Trachoma Plan to the trachoma task force for presentation and adoption at national trachoma summit

16. Finalized the Eye disease survey in Kibera and Dagoretti; by sponsored by Nairobi Comprehensive Eye Care Services, SSI, MOH and partners
17. 2007: Finalized the Eritrea national trachoma strategic plan
18. 2005: As WHO consultant (third mission), facilitated the Eritrea VISION 2020 (Global Initiative for the prevention of avoidable blindness) comprehensive planning workshop and prepared the first National Eye Care Strategic Plan
19. 2005: As the Sight Savers International consultant and external evaluator, conducted evaluation and prepared evaluation report of the terminal evaluation of the Emergency Trachoma Control project in 3 states (Zamfara, Sokoto and Kebbi States) of Nigeria. Evaluation report submitted to the Sight Savers country office in Kaduna for printing and distribution
20. 2005: As East African College of Ophthalmologist (EACO) and Sight Savers International (SSI) consultant, prepared a joint situation analysis report for the 5 founder member Universities (Nairobi, Dar es Salaam, Moshi, Makerere and Mbarara), June 2005
21. 2004: As the National Trachoma Core team chairman and the lead consultant, prepared the Phase 1 National Trachoma Survey report which the MOH has used to prepare Strategic Plan for control of blinding trachoma in the six Phase 1 districts (Kajiado, Narok, West Pokot, Baringo Samburu, and Meru North). The Survey and the control project funded by VISION 2020 (Global Initiative for the prevention of avoidable blindness) Partners like African Medical and Research Foundation, Sight Savers International, International Trachoma Initiative, Pfizer, Kenya Society for the Blind, CBM among others
22. 2004: As WHO (first mission) and Fred Hollows Foundation (second mission) Consultant, conducted and prepared the Eritrea Eye Care Programme Situation analysis report for Eritrea Government
23. 1998: As the Kenya Ophthalmic Programme Coordinator (KOPC), prepared the Kenya 1998-2002 National 5 Year Eye Care Plan for the MOH

SHORT COURSES AND CONFERENCES

1. 2019: Participated in the Kenya National NTD experts committee meeting held at Hotel English Point Marina in Mombasa from 11 to 12 April 2019 to prepare the road map for elimination and certification of elimination of six priority NTDs
2. 2018: represented member training institutions at the inaugural East Central and Southern Africa (ECSA) Health Community Expert Committee on Eye Health meeting held on 25 June 2018 in Arusha, Tanzania to define roles and prepare the TORs for the committee
3. 2018: Represented University of Nairobi at the Stakeholders Consultative Meeting for establishment of ECSA-HC Expert Committee on Eye Health the ECSA-HC Secretariat organized by the College of Ophthalmology of East Central and Southern Africa (COECSA) and International Agency for Prevention of Blindness (IABP) with representatives of Ministries of Health, International Non-Governmental Organizations (INGOs), United Nations Agencies, Civil Society Organizations (CSOs), Health Research and Trainings Institutions, Development Partners, and Eye Health Professional Associations and Societies.
4. 2016: attended the 4th Annual Scientific Congress of the College of Ophthalmology of Eastern, Central and Southern Africa (COECSA) in Kampala: Chaired the Community Ophthalmology, VISION 2020 and Management of Eye Care session. Also, presented a paper titled: Facial cleanliness and prevention of cross-border spread of infection are needed in the final push to eliminate active trachoma
5. 2016: Attended the Eye health educators and leadership workshop in Dar es Salaam
6. 2016: Prepared training manual and presentation for PhD supervision training workshop at the College of Health Sciences, University of Nairobi
7. Guest speaker at the Lions Sightfirst Eye Hospital, Nairobi/Eye from Zion anterior segment scientific workshop and presented a paper on: Ophthalmology 2016 in Kenya, current status and optional cooperation
8. 2016: Attended University of Nairobi workshop for PhD supervision
9. 2015: Presented at the German congress of Ophthalmology (DOG), Berlin. Presented a paper on "Twinning concept in international ophthalmology: the Kenyan perspective"
10. 2015: Chairman of scientific committee and presenter at the Annual Congress of the College of Ophthalmology of Eastern, Central and Southern Africa (COECSA), Naivasha. Presented a

paper titled a participatory approach in development and implementation of a national operational research agenda

11. 2014: Attended the Annual COECSA Congress in Livingstone, Zambia. Presented a paper on Systematic localisation of trachoma “nests” in a large intervention areas using the “segment knockout” survey method
12. 2014: Facilitator at the planning meeting of the Journal of COECSA (JOECSA) in Livingstone, Zambia. Presented a paper on “the lost vision of Eastern African Journal of Ophthalmology”
13. August 2013: Attended the inaugural Congress of the College of Ophthalmologists of Eastern, Central and Southern Africa (COECSA) in Kigali, Rwanda and presented a paper titled “Adapting trachoma survey methods to suit the needs of an advancing Trachoma Control Programme”
14. August 2013: Chaired an education and planning meeting for editors and reviewers of the Journal of the College of Ophthalmologists of Eastern, Central and Southern Africa (JOECSA) in Kigali, Rwanda
15. August 2013: Chaired a two days workshop which brought together stakeholders and experts in trachoma control at Silver Springs Hotel in Nairobi to develop a multi-disciplinary trachoma operational research agenda for Kenya. The agenda will be implemented jointly by the Government of Kenya, University of Nairobi and KEMRI
16. April 2013: Facilitated the COECSA research training and dissemination forum held at Speke Resort Munyonyo in Kampala, Uganda and presented two papers titled: use of Endnote to manage bibliographic information and Quantitative Survey method
17. November 2012: represented the Eastern Africa Region at an IAPB workshop held in Durban to prepare the eye care research agenda for Africa
18. September 2012: presented 1 paper and one poster at the 9th Congress of the International Agency of the Prevention of Blindness (IAPB) General Assembly, Hyderabad, India
19. February 2012: presented 2 papers and one poster at the XXXIII World Ophthalmology Congress in Abu Dhabi, United Arab Emirates

20. November 2011: presented 1 poster at the Royal Australian and New Zealand Congress of Ophthalmology, Canberra, Australia
21. July 2011: presented 1 paper at the Melbourne Ophthalmic Alumni Annual Conference in Melbourne, Australia
22. March 2011: recourse person at the Global Elimination of Trachoma by 2020 (GET 2020) Workshop to develop a global Trachoma Action Plan (TAP) template, AMREF Headquarters, Nairobi, Kenya
23. August 2010: presented 1 paper at the 39th Annual Scientific Conference Ophthalmological Society of Eastern Africa (OSEA), August 2010, Dar es Salaam, Tanzania
24. 2008: Delegate at the meeting on better coordination for accelerated implementation of vision 2020 in Africa, Accra, Ghana
25. 2008: Delegate at the 8th General Assembly of the IAPB in, Buenos Aires, Argentina
26. 2008: Resource person at the Eastern Africa ORBIS VISION 2020: “The Right to Sight” Workshop, Dar es Salaam, Tanzania
27. 2007: Presented at the OSEA conference, Moshi
28. 2007: Presented at the German congress of Ophthalmology (DOG), Berlin
29. 2007: Attended Implementation of ISO workshop at the University of Nairobi (UON)
30. 2007: East African College of Ophthalmologists (EACO) delegate to the first Scientific Conference of the East African Community in Kampala. Presented one paper on Continuing Professional Development (CPD) in Ophthalmology
31. 2007: Attended the Performance contracting/Rapid Response Initiative workshop, UON
32. 2006: Resource person at the Second International Non-governmental Development Partner’s meeting to review support to VISION 2020 in Africa in Accra, Ghana

33. May 2006: Chaired the Kenya National Trachoma Summit sponsored by Sight Savers International at Nairobi Panafric Hotel; attended by government ministries (Health, Education), National/International NGOs, National Eye Care Coordination team, PMO Rift Valley (Trachoma belt), University of Nairobi and District representatives. Agenda: Mapping current control activities, Way forward for making “Kenya free of Trachoma” by 2020 and Creation of a National Trachoma Working group
34. 2006: Attended an Editor’s workshop on “Improving the visibility and use of African journals” at Hotel Intercontinental, Nairobi as the East African Journal of Ophthalmologist representative. Sponsored by the International Network for the Availability of Scientific Publications (INASP) and HINARI
35. 2006: Attended a workshop for librarians and authors on “Open Access: Impact on Librarians and collection department” at Hotel Intercontinental, Nairobi. Sponsored by the International Network for the Availability of Scientific Publications (INASP) and HINARI”
36. 2005 Facilitated at the Eritrea National VISION 2020 planning workshop (WHO Consultant) and drafted their 5 VISION 2020 Strategic Plan (2005-2010)
37. 2005: Attended the Ophthalmological Society of Nigeria (OSN) in Abekuta and participated in the OSEA/OSN discussion on formation of a supra-national ophthalmological society for sub-Saharan Africa. This culminated in the creation of the Africa Ophthalmology Forum (AOF)
38. 2003: Represented OSEA and the IAPB Eastern African Region at the Pan Arab African Council of Ophthalmology (PAACO) conference in Tunis, Tunisia
39. 2002: Delegate at the planning workshop to develop VISION 2020 technical plan for Africa in Durban, South Africa
40. 2002: attended the XXIXth International Congress of Ophthalmology (The World Meeting of Ophthalmologists) in Sydney Australia as a guest speaker on “Accessibility and delivery of cataract surgery in Africa
41. 2001: Attended the PAACO Pan Arab African Council of Ophthalmology conference in Beirut Lebanon. IAPB delegate at the launch of VISION 2020 in Lebanon

42. 2001: Annual meeting of the German Prevention of Blindness Committee at Meinigen East Germany as a guest speaker on Prevention of Blindness activities in Africa. Attachment of one week at Munich Eye Hospital
43. 2001: Annual meeting of the American Academy of Ophthalmology in New Orleans and one week attachment at the Medical University of South Carolina [MUSC] in Charleston
44. 2000: Workshop and Launch of VISION 2020 for Anglophone Africa in Pretoria, South Africa
45. 1999: Kenyan delegate at the Global Elimination of Trachoma by 2020 (GET 2020) meeting in Geneva, Switzerland
46. 1998: Kenyan delegate at the GET 2020 meeting in Ozarzate, Morocco
47. 1996 June to September: Attended a three month Clinical attachment at the pediatric ophthalmology and oculoplastic units at the Munich Eye Hospital, Germany
48. 1996: Attended the annual Conference of German Ophthalmic Surgeons at Nurberg, Meistersignerhalle
49. 1992: Attended a 6 weeks health management and epidemiology sponsored by the G.T.Z, Ministry of Health and the University of Nairobi

HONOURARY APPOINTMENTS AND CONSULTANCIES

1. 2020: Appointed as lead consultant for evaluation of the Hospital Based Community Eye Health Project (HBCEHP) in Kirinyaga County. This was the inaugural HBCEHP in Kenya and it was launched in October 2017. It was funded by the Standard Chartered Bank Seeing-is-Believing (SiB) through Operation Eyesight Universal (OEU). The implementing partners were OEU and Kirinyaga County Government.
2. 2019: Appointed global Trachoma Advisor with Oriole Global Health (OGH). OGH is part of a consortium of global organizations implementing a DFID funded ASCEND (Accelerating Sustainable Control and Elimination of Neglected Tropical Diseases) project in 12 countries in East Africa and parts of Asia.

3. 2019: Appointed a global trachoma consultant by ASCEND (Accelerating Sustainable Control and Elimination of Neglected Tropical Diseases) project which is a DIFID funded project for tackling NTDs in 12 countries in East Africa and parts of Asia.
4. 2019: Appointed lead consultant for end term evaluation of “Up-scaling screening of children using Portable Eye Examination Kit (Peek) in schools in Trans Nzoia County, Kenya”. This was an inaugural project funded by the Seeing-is-Believing (SiB) Innovation Fund. The partners were the: Peek Vision Foundation; Trans Nzoia County Department of Health and Kitale Eye Unit; Trans Nzoia County Department of Education and Teachers Services Commission and local community.
5. 2018: Appointed Chairman of the Kenya National Trachoma Technical Advisory Group (TAG)
6. 2018: Appointed member of expert committee for elimination and certification of elimination of neglected tropical diseases in Kenya by the Cabinet Secretary for Health: The Kenya Gazette of 2018 August 2018. Vol. CXX—No. 95; GAZETTE NOTICE No.8059
7. 2018: Appointed lead consultant for end-term evaluation of the Seeing-is-Believing phase V project (SiB V) which was also referred to as the Rift Valley region prevention of blindness program in Kenya. This project was funded by the Standard Chartered Bank Seeing-is-Believing (SiB) through Operation Eyesight Universal (OEU). The implementing partners were Ministry of Health, OEU and County Departments of Health of Trans Nzoia, West Pokot, Narok, Elgeyo Marakwet, Uasin Gishu and Nandi.
8. Appointed member of the East Central and Southern Africa (ECSA) Health Community Expert Committee on Eye Health to represent member training institutions on rotational basis
9. 2015: Appointed by the Ministry of Health as a co-investigator in the Kenya TT-plus research project which seeks to investigate whether the lack of comprehensive eye health services influence the uptake of TT and cataract surgery among communities in two of the 12 trachoma endemic counties in Kenya. The project is jointly funded by the Government of Kenya and the Fred Hollows Foundation

10. 2014: Appointed by the Ministry of Health and Fred Hollows Foundation to lead the team reviewing implementation of Primary Eye Care (PEC) in Kenya. The project is jointly funded by the Government of Kenya and the Fred Hollows Foundation
11. 2013: Appointed by COECSA to lead a regional team which prepared the proposal and tools for the childhood blindness control project in Kenya Uganda and Tanzania. The project is sponsored by the Standard Chartered Bank's "Seeing is Believing (SiB)" global Initiative through CBM
12. 2013: Appointed by the Kenya Prevention of Blindness Working Group (NPBWG) of the Ministry of Health to chair both the national eye care committee and trachoma research sub-committee
13. 2007: Consultant to the end-term evaluation of the Shompole Trachoma Pilot Project which justified the creation of a National trachoma Control Project in Kenya. The project was sponsored by the Government of Kenya, AMREF and Sightsavers
14. 2007: Consultant to Division of Ophthalmic Services (DOS) of the Ministry of Health (MOH) to facilitate the development of district plans for Pokot, Baringo, Kajiado and Samburu
15. 2006-to date: Editorial board member of the East African Journal of Ophthalmology (EAJO). I also review articles for other peer reviewed journals including the East African Medical Journal (EAMJ) and Malawi Medical Journal
16. 2006: Chairman of the scientific committee for the 25th Ophthalmological Society of East Africa (OSEA) conference
17. 2005: Sightsavers consultant to conduct the situation for development of the first strategic plan of the East African College of Ophthalmologists (EACO)
18. 2005: Sightsavers Consultant to evaluate Emergency Trachoma control projects in Zamfara, Sokoto and Kebbi States of Nigeria
19. 2004-2005: World Health Organisation (WHO) Prevention of blindness Consultant to Eritrea.
20. 2004 to date: Consultant to the Kenya National Trachoma Control Programme

21. 2002: Coordinator of the Kenya National VISION 2020 comprehensive planning workshop, Mombasa 2002 (attended by both local and international participants and facilitators)
22. 1999-2002: International Agency for the Prevention of Blindness (IAPB) Co-Chairman for Eastern Africa Sub-Region (Kenya, Uganda, Tanzania, Ethiopia, Somalia and Eritrea). The core duty was to coordinate VISION 2020 (Global Initiative for the prevention of avoidable blindness by 2020) advocacy activities and country launches in the Sub-Region
23. 1998-2002: Kenya representative to the Global Elimination of Trachoma Alliance (GET 2020). Attended GET 2020 global meetings in 1998 and 1999 at Ouzdoud [Morocco] and Geneva [Switzerland] respectively
24. 1997-1998: Trainer for the Fred Hollows Foundation Intraocular lens implantation project in Kenya (Machakos, Nyeri and Kisumu) and Malawi (Lilongwe). This project introduced implantation of intraocular lens in Sub-Saharan African. Four Kenyan eye surgeons were trained in Nakuru. Thereafter, they were used to train the other eye surgeons in the region.
25. 1997: Sightsavers advisory team member to the prevention of blindness prevention project in Matabele South, Zimbabwe; hosted by the Zimbabwe Society for the Blind
26. 1995-2002: Coordinator of the Kenya Ophthalmic Programme (KOP) and the Vice Chairman to the National Prevention of Blindness Committee (PBC)

EXPERIENCE IN MANAGEMENT AND PLANNING:

1. Global level

- International Agency for the Prevention of Blindness (IAPB) Board member and IAPB Co-Chairman for Eastern Africa Sub-Region from 1999 to 2004. The IAPB is the umbrella organization which brings together all the VISION 2020 (Global Initiative for the elimination of avoidable blindness by 2020) partners
- Kenya representative to GET 2020 Alliance (Global Elimination of Trachoma by 2020) 1998 to 2001 in my capacity as the Kenya Ophthalmic Programme Coordinator

2. Regional level

- *Africa*: Participated at the second INGDO meeting to review support to Vision 2020 in Africa, 7-8 February 2006, Accra, Ghana as a resource person
- *Egypt*: Visited the Maghrabi Eye Hospital in Cairo, invited by the Al Noor Foundation and hosted by Dr. Gamal Ezz Arab the Medical Director to learn about their three-tier system of eye care delivery in May 2003
- *Eritrea*: Consultant to the national prevention of blindness programme from May 2004 to date. In October 2004, I conducted a detailed National eye care situation analysis for the Government of Eritrea sponsored by the Fred Hollows Foundation. The analysis provided the benchmarks for the preparation of the first National VISION 2020 5-Year Strategic plan
- *Ethiopia*: Facilitated at the National VISION 2020 workshop and Launch of the National Prevention of Blindness Strategic Plan in Addis Ababa in 2003

Tanzania: Attended the Regional workshop on preparation of model VISION 2020 district plans in Moshi in 2003 with prevention of blindness teams from Tanzania, Kenya, Egypt and Zambia

- *Africa*: Participated in preparation of VISION 2020 technical plan for Africa in Durban, South Africa in 2002
- *Nigeria*: Invited by the Nigeria Government to facilitate in their VISION 2020 planning workshop at Kaduna in June 2001
- *Somalia*: Headed three cataract surgical missions (air outreach) to Somalia (Luuq, Belatwein and Borama) in 2001, sponsored by CBM (Christoffel Blinden Mission) with a team of paramedical staff, equipment and supplies from Kikuyu Eye Unit: operated over 700 cataract blind patients in the three missions
- *Uganda*: Resource person at the VISION 2020 planning workshop for Uganda, which was held in Mbarara in July 2000
- *East Africa*: Team member in planning for the establishment of the Eastern Africa College of Ophthalmologists (EACO)

3. National Level

- *University of Nairobi:* Chairman Department of Ophthalmology 2015-2021. Attended Departmental, Faculty, College and Senate plus National Prevention of Blindness meetings. Has participated in organizing and running University of Nairobi monthly surgical outreach to Litein, Meru, Murang'a, Isiolo, Garissa, Narok, Makueni, Kisii and Kitui
- *Kenya [District/Provincial levels]:* Headed Ministry of health institutions at District and Provincial levels between the years 1990 and 1995. Planned prevention of blindness activities at the Zonal level [Nyeri and Machakos] over the same period
- *Kenya [National level]:* Facilitated the preparation of the National 5 Year Development, Annual plans and annual reports [to the Government and eye care donors] for the National Eye Care Programme from 1995 to 2000. Chaired most of the quarterly National Prevention of blindness Committee meetings. Played a key role in the creation of the National Primary Eye Care [PEC] project in 1996 and later the Division of Kenya Ophthalmic Services [KOS] of the Department of Primary Health Care [PHC] of the Ministry of Health in 2000. I was the convener for the launch of VISION 2020 in Kenya in June 2001; attended by local and international guests and the declaration of support signed by the Minister for Health and the WHO Representative

INITIATION OF NEW UNIVERSITY PROJECTS

1. Involved in preparation of the 2015-19 University of Nairobi Strategic Plan for Eye Health Research
2. Steering committee member for the proposed University of Nairobi Institute of Head and Neck Sciences (UNIHANS)
3. Spearheading expansion of University of Nairobi eye care outreach, clinical attachment and collaborating centres (Garissa, Litein, Kitui, Mwingi, Narok, Sabatia and Light House)
4. 2006: Spearheaded inclusion of Community Eye Health training in ophthalmology curriculum of the Department of Ophthalmology of the University of Nairobi

5. 2013: Initiated consultation between the School of Public Health and Department of Ophthalmology to create a University of Nairobi Centre for Public Health Ophthalmology (UNCPHO): ongoing
6. 2002: As IAPB Co-Chairman, successfully lobbied for the establishment of the paediatric ophthalmology clinic in Kenya (supported by WHO and IAPB)

PROFESSIONAL MEMBERSHIP

1. Alumnus of the Universities of: Nairobi, London and Melbourne
2. Registered by the Kenya Medical Practitioners and Dentist Board
3. Founder fellow of the East Africa College of Ophthalmology (FEACO)
4. Member of the Scientific Committee of the College of Ophthalmologist for Eastern, Central and Southern African region (COECSA)
5. Editor of the Journal of the College of Ophthalmologist for Eastern, Central and Southern African (JOECSA)
6. Associate Member of the Royal College of Ophthalmologists (RCO)

OTHERS

1. 2015 to 2021: **Member of the University of Nairobi Senate**
2. 2015 to date: **Management Board Member**, School of Medicine, University of Nairobi
3. 2013 to date: **Academic Board Member**, College of Health Sciences, University of Nairobi
4. 1995 to date: **Academic Board Member**, School of Medicine, University of Nairobi
5. **2016-date**: Board Member and Secretary of the Helen Keller International (HKI) – Kenya
6. **2018-2021**: Member of the Kenya Experts Committee for Elimination and Certification of Elimination of Neglected Tropical Diseases (NTDs)

7. **Community Service:** Has participated in many eye camps, community surgical outreach and workshops for community workers in Kenya