



CURRICULUM VITAE

PROF. FRANCIS GITHUA MACIGO

BDS, MPH, PGD – STI (UNIVERSITY OF NAIROBI)

- **ASSOCIATE PROFESSOR OF COMMUNITY AND PREVENTIVE DENTISTRY.**
- **PUBLIC HEALTH SPECIALIST.**
- **PAST CHAIRMAN, DEPARTMENT OF PERIODONTOLOGY/ COMMUNITY AND PREVENTIVE DENTISTRY.**

SIGNATURE:

SEPTEMBER, 2012

HIGHLIGHTS SUMMARY

- Holder of bachelor of Dental Surgery (BDS), Master of Public Health (MPH) and Post-Graduate Diploma in the Control and Management of Sexually Transmitted Infections (PGD-STI) from University of Nairobi.
- Associate professor of Community and Preventive Dentistry
- Public Health Specialist.
- Past Chairman, Department of Periodontology/ Community and Preventive Dentistry, School of Dental Sciences, University of Nairobi.
- Acted Dean, School of Dental Sciences several periods of time.
- Member of: Kenya Dental Association, Kenya Medical Association, Kenya National Academy of Sciences, University of Nairobi Alumni Association (life member) and Nature Kenya.
- Supervised ten (10) Masters Thesis Research to completion.
- Published thirty (30) scientific papers in refereed journals among them the European Journal of oral sciences and Journal of oral diseases.
- Contributed to the section on “The State of Oral Health in Kenya” in the book, “Safari Dentist” by Dr. Raymonds S. Damazo.
- Has twenty (20) papers presented in scientific conferences.
- Was Chairman of the Committee that established the University of Nairobi Dental Plaza for Income Generation.
- Was Chairman of the Committee that developed the School of Dental Sciences and the University of Nairobi Dental Plaza strategic plans.
- As chairman of School of Dental Sciences Income Generating Committee, contributed to financial support of both academic programmes and administrative activities.
- **Areas of greater research interest and scientific contribution**
 - Oral cancer and pre cancer and the associated risk factors
 - 40% (12) of the 30 papers published are in this area of interest
 - Researched and published on the role of tobacco, alcohol, khat (miraa), oral hygiene and viral infections in the aetiology of oral cancer and pre cancer particularly oral leukoplakia

- Was the first to introduce the term *kiraiku* in medical literature after finding that this traditionally processed hand rolled tobacco product was a greater risk factor for oral leukoplakia than conventional cigarettes
- In addition, demonstrated that lesions due to *kiraiku* may persist for years after cessation of the habit unlike those due to conventional cigarettes which may disappear completely after cessation of the habit
- Also demonstrated that, contrary to popular expectation, cigarette filters did not significantly reduce the risk of oral leukoplakia possibly due to unexpected smoking behavior caused by nicotine addiction. Furthermore, the risk effect of was greater in filter than in non-filter cigarette smokers
- My studies also demonstrated that khat (*miraal*) chewing and consumption of traditional beer (unlike tobacco, conventional beer, wines and spirits) were not significantly associated with the development of oral leukoplakia

PERSONAL BACKGROUND

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| NAME | Dr. Francis GithuaMacigo. |
| SEX | Male. |
| NATIONALITY | Kenyan. |
| MARITALSTATUS | Married with 3 children. |
| DATEOFBIRTH | 1954. |
| CONTACT DETAILS | Department of Periodontology/ community and Preventive Dentistry, School of Dental Sciences, University of Nairobi, P.O. Box 19676 – 00202, Nairobi, Kenya. Tel: 254-020-2713618, Fax: 254-020-2723252. Email: francis.macigo@uonbi.ac.ke |

Other contacts:

PO BOX 2917-00100, GPO,
Nairobi

Cell phone: 0716851669
Email: macigof@yahoo.com

EDUCATIONAL BACKGROUND.

UNIVERSITY EDUCATION

Post-graduate Training

- 2000 – 2002 Post-Graduate Diploma in the Control and Management of Sexually Transmitted Infections (PGD-STI), School of Medicine, College of Health Sciences, University of Nairobi.
- 1987 – 1990 Master of Public Health (MPH), School of Medicine, University of Nairobi.

Undergraduate Training

- 1975 – 1979 Bachelor of Dental Surgery (BDS), School of Dental Sciences, University of Nairobi.

SECONDARY SCHOOL EDUCATION

- 1973 – 1974 St. Patrick’s Secondary School, Iten. Obtained: East African Advanced Certificate of Education (E.A.A.C.E)
- 1969 – 1972 St. Patrick’s Secondary School, Iten. Obtained: East African Certificate of Education (E.A.C.E)

PRIMARY SCHOOL EDUCATION

- 1962 – 1968 Msekekwa Primary School. Obtained: Certificate of Primary Education (C.P.E).

WORKING EXPERIENCE

(Administrative/ Leadership and Clinical Experience)

| YEAR | INSTITUTION | ASSIGNMENTS/ POSITION |
|---------------------|---|--|
| March 2000 – 2006 | Department of Periodontology/ Community & Preventive dentistry, School of Dental Sciences, University of Nairobi. | Chairman , Department of Periodontology/ Community & Preventive Dentistry. |
| 1995 – 2004 | School of Dental Sciences | Coordinator , School of Dental Sciences Income Generating Unit |
| 2005 – Dec 2010 | School of Dental Sciences University of Nairobi | Chairman , School of Dental Sciences Income Generating Unit. |
| 1996 – Mar 2000 | Department of Periodontology/ Community & Preventive dentistry, School of Dental Sciences, University of Nairobi. | Head , Division of Community and Preventive Dentistry. |
| March 1994 - 1995 | Department of Periodontology/ Community & Preventive dentistry, School of Dental Sciences, University of Nairobi. | Head , Division of Periodontology and Periodontics. |
| Jan 1992 – Mar 1994 | Ministry of Health. Provincial Medical Officer's Office, Mombasa. | <ul style="list-style-type: none"> • Head of Community Oral Health Project which provided Community oral health intervention and mobile services, Coast Province. • Coordinated and provided clinical services at project clinic. • Initiated a school based primary oral health care pilot project in Kwale District. • Wrote a proposal and secured initial funding from Ministry of Health. • Established baseline information. |

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| Jan – Nov 1991 | Kenya Medical Training College Nairobi, Department of Community Oral Health. | <ul style="list-style-type: none"> • Lecturer in Community Oral Health. • Instructions to community oral health Diploma students. • Organization of community outreach activities. |
| Sept 1987 – 1990 | University of Nairobi/ Kenyatta National Hospital | <p>Senior House Officer.</p> <ul style="list-style-type: none"> • Research Project for a Masters of Public Health Thesis on Aetiological factors in Oral Leukoplakia (sponsored in part by International Development Research Centre). • One year attachment as research assistant to Centre for Public Health Research, Kenya Medical Research Institute (KEMRI). |
| Oct 1985 – Sept 1987 | District Hospital, Murang'a | <p>Dental Officer:</p> <ul style="list-style-type: none"> • Clinical duties. • Outreach services. |
| Apr 1981 – Sep 1985 | Kenyatta National Hospital | <p>Dental Officer:</p> <ul style="list-style-type: none"> • Clinical duties. • Supervision of Interns. |
| Apr 1980 – Mar 1981 | Kenyatta National Hospital | <p>Dental intern:</p> <ul style="list-style-type: none"> • Successfully completed internship. |
| July 1979 – Mar 1980 | District Hospital, Murang'a | <p>Pre-Internship:</p> <ul style="list-style-type: none"> • Evaluation of Dental Services in Murang'a District (Report to Ministry of Health) • Research on oral health status of patients with Pulmonary Tuberculosis. |

TEACHING EXPERIENCE

| YEAR | INSTITUTION | ASSIGNMENT/ POSITION |
|-------------------------|---|---|
| Feb 2012 – Present | Department of Periodontology/ Community and Preventive Dentistry, School of Dental Sciences, University of Nairobi. | Associate professor, Community and Preventive Dentistry |
| March 2002 – Feb 2012 | Department of Periodontology/ Community and Preventive Dentistry, School of Dental Sciences, University of Nairobi. | Senior Lecturer in Community and Preventive Dentistry. Duties: <ul style="list-style-type: none">• Instructions to postgraduate students in Research Methods and Oral Primary Healthcare.• Supervision of postgraduate research.• Instructions to undergraduate students in Community and Preventive Dentistry.• Supervision of undergraduate community dentistry research projects (7-15 project reports a year).• Supervision of students in periodontology clinic and outreach programme. |
| March 1994 – March 2002 | Department of Periodontology/ Community and Preventive Dentistry, School of Dental Sciences, University of Nairobi | Lecturer in Community and Preventive Dentistry. Duties: <ul style="list-style-type: none">• Instructions to undergraduate students in Community and Preventive Dentistry.• Supervision of students in |

outreach programme.

- Supervision of undergraduate community dentistry research projects (7 – 15 project reports a year).
- Supervision of students in periodontology clinic.
- Supervision of postgraduate research.
- Instructional service to postgraduate (MPH) students in School of Public Health, College of Health Sciences, University of Nairobi.
- Instructional services to Community Oral Health Diploma students, Kenya Medical Training College, Nairobi.
- Supervision of Community Oral Health Officers diploma (dissertation) Research Projects (1-3 per year).

Jan – Nov 1991

Kenya Medical Training College, Nairobi.

Lecturer in Community Oral Health.

Duties:

- Instruction to Community Oral Health diploma students.
- Supervision of Community Oral Health diploma (dissertation) Research Projects.
- Supervision of community oral health diploma students during outreach programme.

OTHER ADMINISTRATIVE, LEADERSHIP, ACADEMIC ROLES

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| Dec 2007 – Jan 2008 | Acting Dean , School of Dental Sciences. |
| 18 th Dec, 2006 – 5 th Jan, 2007 | Acting Dean , School of Dental Sciences. |
| August 2005 | Acting Dean , School of Dental Sciences. |
| 20 th July – 1 st August 2003 | Acting Dean , School of Dental Sciences. |
| 2005 – 2010 | Chairman , School of Dental Sciences. Strategic Plan Committee. |
| 2007 – 2010 | Chairman , Multidisciplinary Technical Committee on Establishment of the University of Nairobi Dental Plaza housing consultant clinics for school of Dental Sciences Income generation. The UON Dental Plaza became fully functional in February 2010. |
| 1998 – 1999 | Representative of school of dental Sciences in Kenya Bureau of Standards Technical Committee preparing Kenyan standards for Oral Hygiene products (Chairman of some sessions). |

STANDARDS PREPARED INCLUDED:

- Kenya standard specifications for mouthwash preparations.
- Kenya standard specifications for Fluoridated Toothpastes
- Kenya standard specifications for Toothbrushes.

1994 – 1999

External Examiner, Community Oral Health students diploma dissertation examination.

PROFESSIONAL REGISTRATION AND RECOGNITION

1. 1981: Registered as Dental Practitioner by Medical Practitioners and Dentist's Board; Registration number B 173.
2. 1995: Recognized as a Public Health Specialist by Medical Practitioners and Dentists Board.

MEMBERSHIP TO PROFESSIONAL AND LEARNED SOCIETIES.

1. Kenya Dental Association, 1982.
2. Kenya Medical Association, 1985.
3. Kenya National Academy of Sciences, January 2005.
4. Nature Kenya – August 2011.

MEMBERSHIP OF ALUMNI ASSOCIATION

University of Nairobi Alumni Association: **LIFE MEMBER-Bronze, 2007.**

POSTGRADUATE THESIS SUPERVISED TO COMPLETION

1. Pattern of Gingival Overgrowth among patients on Antihypertensive Pharmacotherapy at Kenyatta National Hospital.

Student: Dr. Watende M. Andrew. MDS Thesis in Periodontology, University of Nairobi, 2010.

Other supervisors: Dr. Evelyn Wagaiyu, Dr. Joshi Mark.

2. Malocclusion and Traumatic Dental Injuries in relation to over-jet and lip posture in 12 – 15 year olds in Nairobi.

Student: Dr. Marjorie KaswiMuasya. MDS Thesis in Paediatric Dentistry, University of Nairobi, 2009.

Other supervisors: Prof. Peter M. Nganga, Prof. Gladys N. Opinya.

3. Head and Neck Neoplasms among HIV/AIDS patients in Kenyatta National Hospital.

Student: Dr. Butt F.M.A. MDS Thesis in Oral and Maxillofacial Surgery, University of Nairobi, 2007.

Other supervisors: Prof. Mark L. Chindia, Dr.Rana F.

4. Craniofacial Anomalies among New Births at two hospitals in Nairobi.

Student: Dr.OdhiamboAtanasias. MDS Thesis in Oral and Maxillofacial Surgery, University of Nairobi, 2007.

Other supervisors: Prof. Mark L. Chindia, Dr.MuiaNdavi, Dr. Were F.

5. Dental Caries and Gingivitis among 12 year-old children in peri-urban, Kitale, Trans-zoia District, Kenya.

Student: Dr. Richard OkomboOwino. MDS Thesis in Paediatric Dentistry, University of Nairobi, 2007.

Other supervisors: Dr. Mary Masiga, Prof. Peter M. Nganga.

6. Analysis of costs of providing Maxillofacial Surgical Services at the Operating Theatre of the University of Nairobi Dental Hospital in the year 2005/2006.

Student: Dr.Karathi John Kimotho. MDS Thesis in Oral and Maxillofacial Surgery; University of Nairobi, 2007.

Other supervisors: Prof. Mark L. Chindia, Prof. Wangombe J.K.

7. The pattern of Firearm injuries seen in patients admitted at the Kenyatta National Hospital over a two year period with emphasis on injuries to the maxillofacial region.

Student: Dr. Walter A. Odhiambo. MDS Thesis in Oral and Maxillofacial Surgery, University of Nairobi, 2006.

Other supervisors: Prof. Symon W. Guthua, Dr. Mark L. Chindia.

8. Current pattern of Road Traffic Accidents, Maxillofacial and Associated injuries in Nairobi.

Student: Dr.Akama Mathews K. MDS Thesis in Oral and maxillofacial Surgery; University of Nairobi, 2005.

Other supervisors: Prof. Symon W. Guthua, Dr. Mark L. Chindia

9. Oral Health Status and Oral Health Care seeking behaviour of a rural community in Kenya.

Student: Dr.Mwacharo M.W. MPH Thesis; University of Nairobi, 2004.

Other supervisors: Dr.Muriithi P.J, Prof. Muchunga E.K, Prof. Mwanthi M.A.

10. The Feasibility of the use of Sewing Thread in the control of Interdental Plaque in a Rural Community in Uganda.

Student: Dr. Isaac Okullo. MPH Thesis; University of Nairobi, 1999.

Other supervisors: Dr.Dismas Ongore, Prof. Eces S.

NUMBER OF PUBLICATION FROM COMPLETED THESIS

1. Seven (7) papers published in refereed journals.
2. Two (2) papers sent for publication in refereed journals.
3. Five (5) papers presented in scientific conferences.

HIGHER DIPLOMA DISSERTATION SUPERVISED TO COMPLETION

Job satisfaction among Dental Technologists in Eastern Province of Kenya.

Student: Judith Nanjala Oluloma. Dissertation for higher diploma in Medical Education (Health professions); Kenya Medical Training College, Nairobi. 1996.

Other supervisors: Rosemary Kabaki.

PUBLICATIONS IN REFEREED JOURNALS

1. GUTHUA S.W, **MACIGO F.G**, OSUNDWA J.M, WAKOLI K.A Combined modality approach in the management of Oral and circumoral haemangiomas with emphasis on use of Absolute Ethyl Alcohol.

African Journal of Oral Health Science; 2011 (in press, accepted August 2011).

2. BUTT F.M.A, GUTHUA S.W, AWANGE D.A, DIMBA E.A.O, **MACIGO F.G.**

The Pattern and occurrence of Ameloblastoma in adolescents treated at a University teaching Hospital in Kenya: A 13-year study.

Journal of Cranio-Maxillo-facial surgery.2012; 40: 39 – 45.

3. MUASYA M.K, NGANG' A P.M, OPINYA G.N, **MACIGOF.G**. Traumatic dental injuries to permanent anterior teeth in 12 – 15 year old children in Nairobi. **East African Medical Journal; 2011 (In press, accepted August 2011).**
4. OWINO R.O, MASIGA M.A, NG' ANG' A P.M, **MACIGO F.G**. Oral health knowledge, hygiene practices and treatment seeking behaviour among 12 –year old children in peri-urban Kitale, North western Kenya. **East African Medical Journal. 2011.(In press, accepted September 2011).**
5. OSIRO O.A, **MACIGO F.G**, KISUMBI B.K, DIENYA T.M.
 Knowledge, perception and practice of atraumatic restorative treatment among dentists in Nairobi. **Journal of the Kenya Dental Association.2011; 1: 145-150.**
6. OWINO R.O, MASIGA M.A, NGA'NGA' P.MAND **MACIGO F.G**. Dental caries, gingivitis and the treatment needs among 12 – years-olds. **East African Medical Journal. 2010; 87: 25-31.**
7. SANG L.K, MULUPI E, AKAMA M.K, MURIITHI J.M, **MACIGO F.G**, CHINDIA M.L.
 Temporomandibular Joint dislocation in Nairobi. **East African Medical Journal.2010; 87: 32-37.**
8. GICHOHI A, OBER-OLUOCHI J, DIMBA E.A.O, **MACIGO F.G**
 Knowledge, attitudes and perception of dental patients on oral health risks associated with cigarette smoking.
Journal of the Kenya Dental Association.2010; 4:108-113.
9. ALI S.T, WAGAIYU E.G, **MACIGO F.G**. Periodontal Health status of HIV infected adults in Kenyatta National Hospital.
Journal of the Kenya Dental Association.2009; I: 17 – 25.
10. KOMU P, DIMBA E.A.O, **MACIGO F.G**, OGWELL A.E.O. Cigarette smoking and Oral Health among Healthcare students.
East African Medical Journal.2009; 86: 178-182.

11. ODHIAMBO W.A, GUTHUA S.W, CHINDIA M.L, **MACIGO F.G.** A two-year audit of the occurrence and characteristics of cranio-maxillofacial firearm injuries at a major hospital in Nairobi.
African Journal of Oral Health Sciences. 2008; 5: 2-5.

12. BUTT F.M.A, CHINDIA M.L, RANA F, **MACIGO F.G.**
Pattern of head and neck malignant neoplasms in HIV infected patients in Kenya
International Journal of Oral Maxillofacial surgery.Oct 2008; 37: 907-911.

13. NGATIA E.M, GATHECE L.W, **MACIGO F.G**, MULLI T.K, MUTARA L.N, WAGAIYU E.G.
Nutritional and Oral Health Status of an elderly population in Nairobi.**East African Medical Journal.2008; 85: 378-385.**

14. NYANCHOKA I.N, DIMBA E.A.O, CHINDIA M.L, WANZALA P,**MACIGO F.G.**
The oral and dental effects of Khat chewing in the Eastleigh area of Nairobi.**Journal of the Kenya Dental Association.May 2008; 1: 37-42.**

15. ODHIAMBO A.W, GUTHUA S.W, CHINDIA M.L,**MACIGO F.G.**
Pattern and clinical characteristics of Firearm injuries..**East African Medical Journal.2008; 85: 107-112.**

16. AKAMA M.K, CHINDIA M.L, **MACIGO F.G**, GUTHUA S.W.
Pattern of Maxillofacial and associated injuries in Road Traffic Accidents.**East African Medical Journal.2007; 84: 287-295.**

17. **MACIGO F.G**, GATHECE L.W, GUTHUA S.W, E.K, E.G. WAGAIYU,T.K. MULLI.
Oral hygiene practices and risk of oral leukoplakia.
East African Medical Journal. 2006: 83: 73-78.

18. WAGAIYU E.G, **MACIGO F.G**, MUNIU E.
Pattern of bone loss in dry mandibles of individuals who died before 1957.
East African Medical Journal.2005; 82: 509-513.

19. WAGAIYU E.G, MULLI T.K, NGATIA E.M, **MACIGO F.G**, GATHECE L.W, MUTARA L.N.
- Oral Health Status of an elderly population in Nairobi, Kenya.
- African Journal of Oral Health Sciences; 2004, 5: 265-268.**
20. AKAMA M.K, **MACIGO F.G**, GUTHUA S.W, CHINDIA M.L, ODHIAMBO W.A
- Occurrence of injuries of the maxillofacial skeleton seen at a Teaching and National Referral Hospital in Nairobi, Kenya.**African Journal of Oral Health Sciences. 2004. 4: 219-223.**
21. **MACIGO F.G.**
- The Public Health implication of the proposed Tobacco Control Bill in Kenya.**African Journal of Oral Health Sciences.2003; 4: 187-191.**
22. OWINO R.O, **MACIGO F.G**, ONYANGO F.J.
- Pattern and aetiology of mandibular fractures at Kenyatta National Hospital.**African Journal of Oral Health Sciences. 2003 4: 178-180**
23. MULLI T.K, **MACIGO F.G**, MUMBI J.N, KAMUNDIA M.R. Influence of Cigarette smoking on periodontal status among adult males in Nairobi. **African Journal of Oral Health Sciences. 2003 4:167–179.**
24. ODHIAMBO W.A, AKAMA M.K, GUTHUA S.W, **MACIGO F.G.**
- Maxillofacial injuries caused by terrorist bomb attack in Nairobi, Kenya. **International Journal of Oral and Maxillofacial Surgery.2002; 31: 374-377.**
25. **MACIGO F.G**, MWANIKI D.L, GUTHUA S.W, NJERU E.K.
- Influence of cigarette filters on the risk of developing oral leukoplakia in a Kenyan population. **Oral Diseases.2001;7: 101-105.**
26. GUTHUA S.W, **MACIGO F.G.**, MWANIKI D.L., OKALLO G.O.
- Symptoms in Health personnel exposed to disinfectants.
- East African Medical Journal.2001; 78:157 – 160.**
27. **MACIGO F.G.**
- Profile of the first known tobacco smoker in a rural area of Kenya.**African Journal of Oral Health Sciences.2000; 1:23-25.**

28. **MACIGO F.G., MWANIKI D.L., GUTHUA S.W.**

Influence of dose and cessation of Kiraiku, cigarettes and alcohol use on the risk of developing Oral Leukoplakia. **European Journal of Oral Sciences.1996; 104:498 – 502.**

29. **MACIGO F.G., MWANIKI D.L, GUTHUA S.W.**

Prevalence of Oral Mucosal lesions in a Kenyan population with special reference to Oral Leukoplakia. **East African Medical Journal.1995; 72: 778-782.**

30. **MACIGO F.G, MWANIKI D.L, GUTHUA S.W.**

The association between oral leukoplakia and use of tobacco, alcohol and khat based on relative risks assessment in Kenya. **European Journal of oral Sci.1995; 103: 268-273.**

EDITORIAL.

1. **MACIGO F.G.**

Community participation in Oral Health Care. **African Journal of Oral health Sciences.2002; 3: 138.**

PUBLISHED ABSTRACTS

1. GUTHUA, S.W, MWANIKI D.L AND **MACIGO F.G.** Management of cervicofacial Keloids in black Population: A preliminary study. **Journal of Dental Research.1999; 78; 5: 1093.**

2. GUTHUA S.W, **MACIGO F.G**, MWANIKI, D.L, OKALLO G. Occupational exposure of Health personnel to disinfectants. **Proceedings of17th African Health Sciences Congress. February, 1996.**

3. **MACIGO F.G**, MWANIKI D.L, GUTHUA S.W. Relative risk assessment of aetiologic factors associated with oral leukoplakia with special reference to tobacco in Meru, Kenya. **Proceedings of 2nd Conference of Pan-African Environment Mutagenic Society (PAEMS); January, 1996.**

SCIENTIFIC PAPERS SUBMITTED FOR PUBLICATION IN REFEREED JOURNALS

1. GUTHUA S.W, **MACIGO F.G**, OSUNDWA T.M, WAKOLI A.K, BUTT F.M.A, WAGAIYU E.G. The Use of Absolute Ethyl Alcohol as an adjuvant to surgery in the management of Oral and Circumoral Haemangiomas. **African Journal of Oral Health Sciences, 2011. (Acknowledged, October 2011)**
2. MUASYA M.K, NG'ANG'A P.M, OPINYA G.N, **MACIGO F.G**. Malocclusion and Orthodontic treatment needs in 12 – 15-year-old children in Nairobi. **East African Medical Journal. (Final corrections, December 2011).**
3. WATENDE A, WAIGAIYU E, MACIGO F.G, JOSHI M, CHINDIA M. Pattern of gingival overgrowth among patients on antihypertensive pharmacotherapy at a Nairobi Hospital in Kenya. **Journal of Clinical Periodontology. Resubmission: November 2011.**

CONTRIBUTION TO PUBLISHED BOOK

MACIGO F.G AND GUTHUA SW.

The State of Oral Health in Kenya. **In Safari Dentist by Dr. Raymonds S. Damazo. Pp 402-423. English University Press, 2007.**

Main sections:

- Oral Health Human Resource
 - Training, availability and distribution.
- Culture and Dental Health.
- Epidemiology of Oral Diseases in Kenya.
- Policies for improvement of Oral Health in Kenya.

SCIENTIFIC WORK IN PROGRESS

1. **Oral Diseases and Oral Health Services in Kenya.** A text book to be published. (Atan advanced stage)

2. **Comparative study of the smoking cessation rates among *kiraiku*, filter and non-filter cigarette smokers following “stop smoking” intervention (under plan).**
3. Management of Oral and Circumoral Haemangiomas using Absolute Ethyl Alcohol as an adjuvant to surgery (Part III of the on-going study).

UNREFEREED PUBLICATIONS

1. **MACIGO F.G.** Gingival diseases during pregnancy. **Family Health. 2004. Issue No. 004: 11-13.**
2. NGATIA E.M, GATHECE L.W, MUTARA L.N, **MACIGO F.G**, MULLI T.K
Baseline survey on oral health, feeding patterns and nutritional status of older people in Dagoretti Division, Nairobi District. In: Summary of Research Findings on the Nutritional Status and Risk Factors for Vulnerability of Older People in Africa. **HelpAge International; Africa Regional Development Centre. 2004; pp. 21-23.**
3. **MACIGO F.G**, GUTHUA SW, GATHECE LW.
Tobacco Control Strategies. **Kenya Dental Association Newsletter.2003; 6: 9-10.**
4. **MACIGO F.G**, GUTHUA SW, GATHECE LW. Challenges in tobacco control in Kenya. **Kenya Dental Association Newsletter.2002; 4: 5-6.**
5. **MACIGO F.G.**, Highlights on the 7th National Dental Health action Month: An analysis. **Kenya Dental Association Newsletter: 1985; 3(1): 5-8.**
6. **MACIGO F.G.** The 6th National Dental Health Action Month. 1983:
A post-mortem review. **Kenya Dental Association Newsletter: 1984; 2(1): 6 – 9**
7. **MACIGO F.G.** An overview of oral health status of PTB patients. **Kenya Dental Association Newsletter: 1983; 1(1): 17- 19.**
8. **MACIGO F.G.** A look at some aspects of dental/oral health care. **Medicus, 1982; 1(8): 14 – 19.**

PAPERS PRESENTED IN SCIENTIFIC CONFERENCES

1. ORAMIS D, **MACIGO F.G**, KEMOLLI A.M. Impact of Advertisements on the Oral Health Behavior among children.
3rd conference of the African and Middle-East Region. International Association for Dental Research, 27th – 30th September 2011 Abuja, Nigeria.
2. GUTHUA S.W, **MACIGO F.G**, OSUNDWA T.M, WAKOLI KA, BUTT F.M.A. WAGAYU E.G. The use of Absolute Ethyl Alcohol as an adjuvant to surgery in the management of Oral and Circumoral Haemangiomas.
1st International Scientific Conference by College of Health Sciences, University of Nairobi. 15th – 17th June 2011, Nairobi Kenya.
3. MUASYA M.K, NGA'NGA' P.M, OPINYA G.N, **MACIGO F.G**. Traumatic dental injuries in relation to over-jet and lip posture in 12 – 15 year olds in Nairobi, Kenya.
1st International Scientific Conference by College of Health Sciences University of Nairobi. 15th – 17th June 2011, Nairobi.
4. NGATIA E.M, GATHECE L.W, **MACIGO F.G**, MULLI T.K, MUTARA L.N. Risk factors and nutritional status of elderly persons in Nairobi Kenya.
1st International Scientific Conference by the College of Health Sciences, University of Nairobi. 15th – 17th June 2011, Nairobi.
5. BAHRAL J.K, BUTT F, **MACIGO F.G**, DIMBA E.O. A 10 year audit on the patterns of occurrence of salivary gland tumours as seen at the University of Nairobi Dental Hospital.
1st International Scientific Conference by College of Health Sciences, University of Nairobi. 15th – 17th June 2011.
6. MUASYA M.K, NGA'NGA' P.M, OPINYA G.N, **MACIGO F.G**. Malocclusion in 12 – 15 year-old children in Nairobi, Kenya using the Dental Aesthetic Index.
2nd African and Middle East Regional conference International Association for Dental Research. 23rd -25th September 2009, Mombasa Kenya.
7. ODHIAMBO W.A, GUTHUA S.W, CHINDIA M.L, **MACIGO F.G**. A two-year audit of the occurrence and characteristics of Cranio-Maxillofacial Firearm injuries at a major Hospital in Nairobi.
International Association for Dental Research, East and Southern Africa Division Conference 18th October, 2007, Nairobi, Kenya.

8. **MACIGO F.G.** The Scientific Basis of Tobacco Control in the Oral Health Care Sector.
Joint East and Southern Africa and Kuwait Divisions of International association for Dental Research. March 2006 Scientific Conference, Nairobi, Kenya
9. **MACIGO F.G,** GATHECE L.W, GUTHUA S.W, NJERU E. N, WAGAYU E.G, MULLI T.K. Influence of Oral Hygiene Practices on the Risk of Oral Leukoplakia.
1st Joint Congress for East, Southern Africa and Middle East.InternationalAssociation for Dental Research.August, 2004, Nairobi, Kenya.
10. MULLI T.K, **MACIGO F.G,** MUMBI J.N, KAMUNDIA M.R. Influence of cigarette smoking on periodontal status among adult males in Nairobi. **Kenyan Dental Association Annual Seminar, 2002,Nairobi.**
11. AKAMA M.K, GUTHUA S.W, CHINDIA M.L, **MACIGO F.G.** The Pattern, Aetiological Factors and Treatment modalities for Facial Bone Fractures at Kenyatta National Hospital.
14th Annual Scientific Conference.International Association for Dental Research (IADR, October, 2000), Harare, Zimbabwe.
12. AKAMA M.K., ODHIAMBO W.A., CHINDIA M.L, GUTHUA S.W., **MACIGO F.G.;** Injuries of the maxillofacial skeleton in Nairobi, Kenya.
13th Annual Scientific Conference of the East and Southern Africa Division of the International Association of Dental Research.3rd – 5th November, 1999, Kampala, Uganda.
13. ODHIAMBO W.A., AKAMA M.K., GUTHUA S.W., **MACIGO F.G.** Maxillofacial injuries caused by bomb blast in Nairobi, Kenya.
13th Annual Scientific Conference of the East and Southern Africa Division of the International Association of Dental Research.3rd – 5th November, 1999, Kampala, Uganda.
14. MUASYA M.K, CHINDIA M.L, **MACIGO F.G.** Occurrence of Oral Squamous Cell Carcinoma in Nairobi.
13th Annual Scientific Conference of the East and Southern Africa Division of the International Association of Dental Research.3rd – 5th November, 1999, Kampala, Uganda.
15. OKULLO I., ONGORE D, **MACIGO F.G.** ECEC S. Effectiveness of sewing thread in the control of the inter-dental plaque.

12th Annual Scientific Conference of the East and southern Africa Division of the International Association of Dental Research. 28th – 30th October, 1998, Nairobi, Kenya.

16. **MACIGO F.G**, MWANIKI D.L., GUTHUA S.W., NJERU E.K. Influence of Cigarette filter on the risk of developing Oral Leukoplakia.

12th Annual Scientific Conference of the East and Southern Africa Division of the International Association of Dental Research.28th– 30thOctober,1998,Nairobi,Kenya.

17. GUTHUA S.W., MWANIKI D.L., **MACIGO F.G**. Management of Cervicofacial keloids in black population: A preliminary study.

12th Annual Scientific Conference of the East and Southern Africa Division of the International Association of Dental Research.28th – 30th October, 1998,Nairobi,Kenya.

18. GUTHUA S.W., **MACIGO F.G**, MWANIKI D.L., OKALLO G. Occupational exposure of Health personnel to disinfectants.

17th African health Sciences Congress.5th – 9th February, 1996,Nairobi,Kenya.

19. **MACIGO F.G**, MWANIKI D.L., GUTHUA S.W. Relative risk assessment of etiologic factors associated with oral leukoplakia with special reference to tobacco in Meru, Kenya.

Pan-African Environmental Mutagen society.23rd – 25th January, 1996, Cape Town, South Africa.

20. **MACIGO F.G.**, MWANIKI D.L, GUTHUA S.W., Prevalence of Oral Mucosa lesions with special reference to Oral leukoplakia and associated risk factors.

16th African Health Sciences Congress.6th – 10th February, 1995, Nairobi Kenya.

SCIENTIFIC CONFERENCES, SEMINARS, WORKSHOPS AND SHORT COURSES ATTENDED

1. The 29thKenya Dental Association Annual Scientific Conference and Exhibition. 13th – 15th October 2011, Nairobi.
2. 1st International Scientific Conference by College of Health Sciences, University of Nairobi. 15th – 17th June, 2011, Nairobi. International Association of Dental Research, East and Southern African Conference 18th October, 2007, Nairobi Kenya.

3. Joint Scientific Conference for the East and Southern Africa and Kuwait Division of IADR, March 2006, Nairobi.
4. 1st Joint Congress for the East, Southern Africa and Middle East Divisions of IADR. 2004, Nairobi.
5. HIV/AIDS Counselling Certificate Course. Amani counselling Centre and Training Institute; October – December 2001. Nairobi.
6. 12th Annual Scientific Conference of the East and Southern African Division of International Association of Dental Research. 28th – 30th October 1998 Nairobi.
7. East African Oral Health Promotion Workshop 1997.
8. 17th African Health Sciences congress. 6th – 10th February 1996, Nairobi.
9. 16th African Health Sciences Congress. 6th – 10th February 1995, Nairobi.
10. Dental Public Health Course (6 weeks) WHO sponsored/organised course for selected Oral Health managers from African countries 1986, Nairobi.
11. International Symposium on Oral Health, 1986. Nairobi.
12. Numerous Kenya Dental Association Annual Scientific Seminars.
13. Confederation of African Medical Associations and Societies (CAMAS) Congress, 1983, Nairobi.

INSTITUTIONAL WORKSHOPS/ RETREATS ATTENDED.

1. College of Health Sciences Retreat to review the 2008 – 2013 college strategic plan, 8th – 9th December 2011. Kenya School of Monetary Studies (as representative of School of Dental Sciences).
2. Team Building Workshop for the Department of Periodontology/ Community and Preventive Dentistry, University of Nairobi. 18th – 19th July 2008, Lukenya, Kenya.
3. University of Nairobi workshop on Research Policy, 9th – 11th August 2007. KWS Institute, Naivasha (Represented Dean, School of Dental Sciences).

4. Team Building Workshop for the staff of Department of Periodontology/ Community and Preventive Dentistry, University of Nairobi. 14th March 2007, Nairobi.
5. Joint college of Health Sciences/ University of Nairobi Enterprises Services(UNES) workshop, 22nd to 24th June, 2006, Kenya school of Law, Nairobi.

Theme: Beyond Module II

[Jointly with the Dean, School of Dental Sciences, prepared the presentation with a proposal for income generation beyond module II presented by the Dean at the workshop. Proposal accepted by UNES for funding].

6. Institute of Tropical and Infectious Diseases (UNITID) Curriculum Development Workshop. 10th – 13th April 2005. Lake Bogoria, Baringo Kenya.
7. College of Health Sciences strategic plan workshop 17th – 20th July 2005, Machakos. Produced a draft strategic plan for the school of Dental Sciences.
8. Institute of Tropical and Infectious Diseases (UNITID) strategy planning workshop, 13th – 16th December 2004. Aberdare Country Club. (Represented Dean, School of Dental Sciences).
9. School of Dental Sciences Workshop on Review of BDS Curriculum and Income Generation. 25th – 29th May 2003, Nakuru. **Chairman of Organizing Committee.** (Presented a paper on income generation entitled INCOME GENERATION ACTIVITIES: Past, Present and Future Direction.
10. University of Nairobi HIV/ AIDS policy workshop, 21st – 25th, November 2002, Kenya Safari Club, Nanyuki. (Represented Dean, School of Dental Sciences).
11. Community Oral Health Curriculum Review workshop. KenyaMedicalTrainingCollege Nairobi, 16th – 19th August, 1999. Made a presentation on “SITUATIONAL ANALYSIS”. Focussing on oral health status and oral health manpower situation including Training, number and distribution, manpower to population ratios, entry into and exit from the oral healthcare market.

12. Oral Health Research Promotion for the Eastern African Region, Kenya Medical Research Institute (KEMRI), Nairobi, Kenya. November 12th – 14th, 1997. **Member of the Organizing Committee.**

COLLEGE/SCHOOL/DEPARTMENTAL COMMITTEES, BOARDS AND OTHER ORGANS.

1. Member, College of Health Sciences Committee on Prevention of Drugs and Substance Abuse (appointed 13th December 2011).
2. Member, College of Health Sciences Committee investigating Drugs and Substance Abuse among students in the college, 2009.
(Submitted report in June, 2009).
3. Member, College of Health Sciences Committee investigating Drugs and Substance Abuse among students in the college, 2010.
(Submitted report in June, 2010).
4. **Chairman**, Joint school of Dental Sciences/ University of Nairobi Enterprises Ltd (UNES)/ Industrial Research and Consultant Unit (IRCU) Committee planning and supervising the Renovation/ Rehabilitation of former Kenya School of Law office building structures into Consultant clinics for income generation, now known as **University of Nairobi Dental Plaza**. This has since Feb 2010 opened for dental services.
5. **Chairman**, IGA Subcommittee writing proposal document for re-establishment of school of Dental Sciences Consultant clinics as part of "Beyond module II", income generation, 2006. Proposal funded by the University of Nairobi through UNES.
6. School of Dental Sciences Standing committee on Income Generation Activities.
Chairman of IGU committee, 2005 – 2010.
7. School of Dental Sciences Standing Committee on Income Generation Activities (IGA).
IGU Coordinator, 1994 – 2004.

8. **Chairman**, School of Dental Sciences IGA subcommittee that produced A Working Document for the then Faculty of Dental Sciences Income Generating Activities, 1997.
9. School of Dental Sciences Strategic Plan Committee, **Chairman**, 1995 – present.
10. School of Dental Sciences Deans Scholarship Committee (**membersince February 2011**).
11. School of Dental Sciences Curriculum Development Committee (**member since 2004**).
12. School of Dental Sciences Academic Quality Assurance Committee(**member since February 2011**).
13. School of Dental Sciences Board (**member since 1995**).
14. **Chairman**, Departmental Committee writing proposal for East and Central Africa Regional data and Resource centre, 2005. Proposal accepted by Ministry of Health and sent to WHO Kenya country office for funding by WHO head office for African region.
15. Committee reviewing protocol for National Oral Health Survey spearheaded by the Ministry of Health Kenya, 2010. **Member** representing School of Dental Sciences/ University of Nairobi.
16. Select College Academic Board Sub-committee on the Bachelor of Science in Nursing (BSc. N) Degree programme, September 2004 – November 2005 (**Represented Dean**, School of Dental sciences).
17. College of Health Sciences Academic Board (2000-2006).
18. . University of Nairobi Senate (2000-2006).

FUNDED PROJECTS AND INCOME GENERATION

1. As Coordinator of School of Dental Sciences Income Generation Activities Committee helped generate a substantial amount of money annually.
By 2001/ 2002 Academic year (before consultant clinics were allocated to postgraduate programmes) the IGA were generating more than Ksh. 1,000,000 per month.
2. Chairman of a subcommittee of School of Dental Sciences, IGA committee that wrote a proposal for re-establishment of Income Generating Consultant clinics, June 2006. The proposal was funded by the University of Nairobi through UNES, and the clinics established.
3. As Chairman, School of Dental IGA Committee, managing UON Dental Plaza, helped to generate income expected to rise to more than Ksh. One million per month.
4. Ksh. 200,000 from Help Age Kenya to the Department of Periodontology/ Community and Preventive dentistry to implement Departmental Research Proposal titled Oral Health, feeding patterns and nutrition status of the elderly in Dagoretti Division in Nairobi; 2003.
 - Chairman of Departmental Research Meetings on the elderly.
 - Three scientific papers published from the study on the elderly.
 - Detailed report submitted to Help-age Kenya.

COMMUNITY SERVICE AND WELFARE

1. **PARTICIPATION IN RADIO ORALHEALTH PROGRAMME – 1997**
Focussing on: Oral Health by the year 2000.

Areas covered:

- Oral health situation I would wish to see by the year 2000.
- The role of the Government in
 - Policy formulation and financing of oral health care.
 - Oral disease prevention.

- The Responsibilities of Communities in
 - Oral disease prevention.
 - Management of basic oral health care.
- Oral cancer.
- Training of oral health care personnel.
- Role of the Dental industry.
- Oral Health Policy.
- Outlook for the next century

2. MEMBERSHIP OF COMMUNITY WELFARE ASSOCIATIONS

1. Mount Sinai Self Help Group

Since June 2005

- General Welfare of members.
- Income Generation.
- Support of those in extreme hardships e.g. Bereavement.
- Rotational contribution of funds for members' welfare.

2. Hills View Estate Welfare Association

Since August 2007

- General Welfare of members.
- Enhancement of good environmental standards/ protection of the environment.
- Social functions for members, aimed at bonding.
- Improvement of essential services – Roads, water systems, Electricity, security.

REFEREES

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