



**UNIVERSITY OF NAIROBI  
COLLEGE OF HEALTH SCIENCES  
SCHOOL OF DENTAL SCIENCES  
DEPARTMENT OF PERIODONTOLOGY/COMMUNITY AND PREVENTIVE DENTISTRY**

**INTRODUCTION**

The Department of Periodontology/Community and Preventive Dentistry is one of the four Departments constituting the School of Dental Sciences.

It has a broad mandate which includes training undergraduate students to be competent in the Management of Periodontal (gum) diseases, to undertake independent research project as well as skills in Community and Prevention of oral diseases.

**Name:** Department of Periodontology, Community and preventive Dentistry

**Our Vision**

An oral health care provider with a holistic public health approach to health care and management of patients with periodontal diseases and conditions

**Our mission**

To provide training in various methods for preserving the natural dentition by preventing and controlling dental diseases at individual family and community levels and to equip the students with knowledge and skills on diagnosis and management of simple periodontal diseases/conditions

**Introduction**

Department of Periodontology is one of the Departments in the school of Dental Sciences .It comprises of two Divisions namely:-

- Division of Periodontology and Periodontics
- Division of Community and Preventive Dentistry.

The role of the Department in the School of Dental sciences is to train students in Periodontology and Periodontics, Community and Preventive Dentistry and other related public health and Periodontology course units, both as a parent and service Department to other programmes.

## 2/3 Courses and enrolled students

Course	First year	Second year	Third year
MDS in Periodontology	2 students	1 student	2 student

4 **International students component-** none

5 Research interests

a. Dr Matu- interaction between periodontal diseases and diabetes.

b. Prof. Gathece

i. ART strategy in improving quality of life among Persons living with HIV/AIDS

ii. Reduction of HIV infection among Female sex workers

iii. PMCT-prevention of mother to child transmission of HIV

iv. HIV and oral health

v. Effect of health education on oral health

c. Dr Mua B N- Adherence to ART

d. Prof. Macigo F G

i. Tobacco in Relation to Oral Health

Specific Areas:

1. Tobacco smoking knowledge, attitudes, practices and behaviour change

2. Tobacco associated predictors of oral cancer and precancer

3. Tobacco smoking prevention and control model

e. Dr Mutave R J;

- High Fluoride regions in Kenya: Mapping out the zones, and institution of fluoride-free

- Understanding the response of Health Services Managers to research findings as a basis for policy decisions in Kenya.

- Traditional oral health practices during teething, the threat of high infant mortality rates among mothers and nurses in Nairobi

- Identifying safe from unsafe methods and herbs

- Trends in oral health services provision and utilization in Kenya.

- survey organized by the Ministry of Health

f. Prof. Wagaiyu E G

i. Genetics and oral health

ii. HIV and the periodontium

iii. Microbiology of Periodontal Diseases

iv. Guided tissue regeneration, the use of enamel matrix proteins

v. Oral systemic connection

- vi. - Genetics and the susceptibility of the periodontium
- g. Dr Alumera H
  - i. Relationship between periodontal disease and systemic health
  - ii. Uses of computers in dental education
- h. Dr Wangari V W- pregnancy and periodontal diseases

6 International linkages and collaboration- none  
 7 Publications- 2008/9 academic year

- i. Matu NK, Stephen L, Laloo R. prevalence of Periodontal disease Types diabetics versus non-diabetics SADJ march 2009;vol 64 (2): pg 64-68.
- ii. Makhanu M, Opinya G.N, Mutave R.J. Dental flouries ,caries exposure and snack intake of 13-15year olds in Ongata Ronga, Kenya E.A.M.J, March 2009
- iii. Mohamed A.O , Mutara L.N, Gathece L.W Oral manifests of diabetes mellitus, relation to blood suger levels, type of diabetes and ... of disease-AJOHS Vol. 5 No 3 P.g 16-20
- iv. Kimani Knowledge and practice on interdental cleaning by Kenya Medical Students.
- v. E Wagaiyu, Dr. Macigo F.G, Periodontal Health status of HIV infected adults in KNH. Journal of Kenya dental Association p.g 17-25.
- vi. **Dr, Sabaya L, Tesfadelt A, Limo Ak, Gichana JO, Dimba EAO, Gathece L. Mutave RJ.** Compliance to cross infection control measures among Dental students and support staff at the UoN Dental Hospital. Journal of Kenya dental Association pg 26- 31
- vii. **Kagereki E. Lesan WR, Wakiaga JW, Gathece L.W.** Radiographic yield criteria and Rationale for prescribing Bilateral Bitewings, Radiographs. Journal of Kenya dental Association p.g 31-36
- viii. **Nyamu E, Osundwa TM, Chindia ML, Gathece LW, Bulimo W, Murray JC.** IRF6 Gene Variant in Non-syndromic Clefts of a Kenyan Population. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No. 4.
- ix. **Muasya M.K, F. G. Macigo, Prof. P.M. Ng'ang'a and Prof. G. N. Opinya,** Malocclusion in 12-15yrs olds in Nairobi Kenya. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 11.
- x. **Choence H.C** Knowledge , practice and choice of dentifrice by dental students 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 15.

- xi. **Tafa CC, ministry of health Botswana**, Caries experience among HIV positive children on ARV's Nairobi. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 31.
- xii. **Mamdani Z**, Knowledge and Attitude on Risk factors of Periodontal Diseases. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 1.
- xiii. **Maina A.W , E. Dimba and F. G. Macigo** Perceptions of High School Students towards the dental Profession. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No.4
- xiv. **Ochanji A.A**, Oral Hygiene Awareness And Practice By Kenyatta National Hospital Inpatients. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 5
- xv. **Katiti J.M** Dental phobia and its effects on oral Healthcare seeking Behavior. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 8
- xvi. **Gakonyo J**. Perceptions of dental students towards HIV patients in Kenya. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 9
- xvii. **Kabubei E.M**, Effects of Diet on Oral Health Among Urban School Adolescents 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 10
- xviii. **Wetende A.M, E.Wagaiyu, FG Macigo and M. Joshi** Pattern of Gingival Overgrowth Among Hypertensive Patients At KNH. 2<sup>nd</sup> IADR African and Middle East Regional conference. September 22-25 2009. Abstract No 1
- xix. **Kassim B.A, Kisumbi .B.K, and Gathece L.W**. Efficiency of Light curing Units: Effects of Age and Type. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 3
- xx. **Muange P.N**, Oral squamous Cell Carcinoma: Clinico -histopathologic study in a Kenyan population. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 7
- xxi. **M. Ndung'u-Mwasha, E. Kibugi, R. Mutave, E. Dimba and L. Gathece** Relationship Between Candida and Denture Habits Among Complete Denture Wearers. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 11
- xxii. **J. Nyaga, S. Maina, J. Okoth and L. W. Gathece** Internal Morphology in First Permanent Molars in A Kenyan population. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 12

- xxiii. **Odera KN**, Preoperative and postoperative quality of life in orofacial surgery. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 19
- xxiv. **M.K. Muasya, F. G. Macigo and Prof. G. N. Opinya and P. M. Ng'ang'a** Traumatic Dental Injuries in 12-15 year Old Children in Nairobi. 2<sup>nd</sup> IADR African and middle East Regional conference. September 22-25 2009. Abstract No 25

- 8 **Consultancies** –none
- 9 **Number of graduate** – none
- 10 **Staff matters-** the Department recruited two tutorial fellows in periodontology.

### 11. Community Outreach schedule:

	<b>Item/Activity Description</b>	<b>Venue</b>	<b>Date</b>
1.	Community Outreach to Nakuru Catholic Diocese	Nakuru Town	19/04/2013
2.	Community Outreach to Mulolongo area	Mavoko/Athi River	15/06/2013
3.	Community Outreach at Langata women prisons	Langata in Nairobi	10/08/2013
4.	Community outreach at Kangundo	Kangundo Town	12/10/2013
5.	Community Dentistry outreach at the Thomas Barnado Home	Nairobi	14/12/2013
6.	Community Dentistry outreach at the Mama Ngina Children's Home	Nairobi	21/12/2013