

## **Annual Report**

# **SCHOOL OF DENTAL SCIENCES**

## **INTRODUCTION**

The School of Dental Sciences (SDS) is one of the five schools that constitute the College of Health Sciences (CHS). The School started from a humble beginning in 1974 as the Department of Dental Surgery, in the then Faculty of Medicine. The Department of Surgery was upgraded in 1995 to create the Faculty of Dental Sciences, which became a School in 2005, with four Departments namely Oral/Maxillofacial Surgery, Oral Medicine/Pathology and Oral/Maxillofacial Radiology; Conservative and Prosthetic Dentistry; Paediatric Dentistry and Orthodontics; and, Periodontology/Community & Preventive Dentistry.

## **COURSES OFFERED**

In 2011, the School offered one undergraduate course leading to a degree in Dental Surgery. At postgraduate level, the School offered four courses at master's level with specialization in Paediatric Dentistry; Oral maxillofacial Surgery; Periodontology/Periodontics; and, Prosthodontics.

## **ENROLLMENT**

In 2011, the School enrolled the following numbers:

Undergraduate	149
Postgraduate	23

## **INTERNATIONAL LINKS AND COLLABORATION**

The School maintained links and memorandum of co-operation with Nagasaki University and Glaxosmithkline Limited.

## **PUBLICATIONS**

1. Amisi, S.K, B.K Kisumbi, Simila, H.O. (2011) Pre-extraction photographs in selection of artificial teeth. JKDAS: 4:114-119
2. Ober O., JA, Abdulhalim H, Dimba EAO (2011) Dentinogenesis imperfect - A case report: JKDA:4:120-123
3. Dimb, J. F G, Macigo (2011) Knowledge, attitudes and perception of smoking dental patients on oral health risks associated with cigarette smoking. JKDA:4:108-113

4. Kaaria MM, and Wagaiyu E G (2011) Periodontal treatment needs of psychiatric inpatients in Mathari mental hospital. JKDA:4:103-107
5. Mua, E G (2011) Periodontal treatment needs of psychiatric inpatients in Mathari Mental Hospital. JKDA:4:103-107
6. Mutave RJ, Matu NK, Gathece LW (2011) Knowledge, Practices and Attitudes of clinical years dental students at the University of Nairobi towards HIV/AIDS patients. JKDA:4:98-102
7. Anver M, Opinya G, Hussein A (2011) HIV related oral manifestation of children and adolescents aged 2-25 years living with HIV in Nairobi and Mombasa. JKDA:4:93-97
8. Gathece, JL, ML Chindia, EAO Dimba, W Odhiambo (2011) Clinical fractures and types of paediatrics oral facial malignant neoplasms at two hospitals in Nairobi. Journal of Cranio-Maxillofacial Surgery 2011 (1-7)
9. Kemoli, AM and G Opinya (2011) Two year survival rate of proximal atraumatic restorative treatment restorations in relation to glass ionomer cements and post restoration meals consumed. Paediatric Dentistry B Vol. 33no. 3 May/June 2011

## GRADUANDS

In 2011, the School graduated the following numbers:

Bachelor of Dental Surgery	32
Master of Dental Surgery	5

## PAPERS PRESENTED

The following abstracts were presented during the 1st College of Health Sciences, Scientific Conference (15th-17th July 2011):

1. Proposed double modality technique in the management of challenging circumoral and oral haemangiomas: A Kenyan experience. SW Guthua, TM Osundwa, FG Macigo, F Butt, K Wakoli and Wagaiyu EG.
2. Effects of oral hygiene, residual caries and cervical marginal gaps on 2 year survival of proximal ART restorations. AM Kemoli, GN Opinya, WE Amerongen.
3. Traumatic dental injuries in relation to oversets and lip posture in 12-15 year old in Nairobi, Kenya. MK Muasya, PM Ng'ang'a, GN Opinya and FG Macigo.
4. Nutritional status of 5-15 year old children with hearing disability in comparison to those without hearing disability. JM Njama, EM Ngatia, GN Opinya, LW Gathece.
5. Case report on the challenges in identification of skeletonized remains. D Nyamunga, AL Kalsi, TJ Ocholla.
6. Pattern of odontogenic and Non-Odontogenic tumours in a Kenyan population (A 19 year audit) F Butt, JK Bahra, ML Chindia, J Ogeng'o.
7. A 10 year audit on the patterns of occurrence of salivary gland tumours as seen at the University of Nairobi Dental Hospital. JK Bahra, F Butt, FG Macigo, EO Dimba.
8. Effect of light intensity on the cure characteristics of photo-polymerise dental composites. BA Kassim, BK Kisumbi, WR Lesan, LW Gathece.

9. Knowledge, attitude and practice of dental flossing among dental and medical students of the University of Nairobi. JM Nyamai, Mutave RJ, BK Kisumbi.
10. Effect of malocclusion on the oral health-related quality of life of 12-14 year olds in Viwandani slum, nairobi. IA Opondo, A Kemoli, JL Nesa, LW Gathece.
11. Treatment of keratocystic odontogenic tumour by marsupialization: A case report. K Syed, F Butt.
12. Characteristics of study proposals at the Kenyatta National Hospital and College of Health Sciences. WO Mwanda, G Opinya, E Ngugi, F Otieno, J Osanjo and J Oyugi.
13. Pattern of occurrence of the jaw cysts and cyst like lesions at University of Nairobi dental hospital: A ten year histopathology audit. C Micha, M CHindia, E Dimba, D Awange, T Osundwa.

## **COMMUNITY SERVICE/OUTREACH**

The School of Dental Sciences is a teaching and referral University Dental Hospital. In 2011, the School maintained its annual community dentistry outreach programmes in efforts to alleviate suffering, reduce the burden of oral diseases and improve oral health by providing free curative, preventive and promotive dental services to the needy members of the public who have little or no access to oral health care facilities particularly in remote areas of the country.

Again, in 2011, through Operation Smile, members of the School participated in the annual reconstructive surgical campaign that has benefited thousands of children and adults with cleft lip and palate and other oral and maxillofacial anomalies.

In the area of research, the School conducted extensive research in a wide range of disciplines and provided answers to many previously unanswered questions in areas such as flourides and fluorosis, malocclusion and child dental health, epidemiology and prevention of oral diseases, oral cancer and pre-cancer, oral and maxillofacial traumatology, head and neck oncology as well as socio-cultural influence on oral health.