

# DEPARTMENT OF PAEDIATRIC DENTISTRY & ORTHODONTICS UP-DATED CURRICULUM VITAE

for

## Dr. Arthur M. Kemoli

**Name:** Dr. Arthur Musakulu Kemoli  
**Date of Birth:** 10 October 1954  
**Sex:** Male  
**Marital status:** Married with three children  
**Address:** P.O. Box 34848 00100 Nairobi  
**Telephone:** L/Line 2713627  
Mob. 0722 242 793  
**e-mail:** [arthur.kemoliq@uonbi.ac.ke](mailto:arthur.kemoliq@uonbi.ac.ke)  
[musakulu@gmail.com](mailto:musakulu@gmail.com)

### I. Academic Record

**2006 - 2011:** PhD (Pedodontology), University of Amsterdam, The Netherlands.  
**1998 - 2001:** MSc (Paediatric dentistry), ACTA; University of Amsterdam,  
The Netherlands.  
**1993 – 1994:** DGDP, RCS (Eng) (UK Diploma).  
**1976 - 1980:** BDS, University of Nairobi.  
**1974 - 1975:** EAACE, Kagumo High School.  
**1970 - 1973:** EACE, Kakamega High School.  
**1963 – 1969:** CPE, Keveye Primary School

### II. School & Departmental Responsibilities

**2010 (Dec) to date :** Senior Lecturer, Department of Paediatric  
Dentistry/Orthodontics, University of Nairobi.  
**2009 (Dec) – 2010 (Jan):** Acting Chairman of the Department.  
**2008 (Dec) – 2009 (Jan):** Acting Chairman of the Department.  
**2008 (Feb) to date:** Departmental ISO Committee Chairman.

- 2007 (May) to date:** Departmental ICT Champion.
- 2007 (Sep) to date:** Member of Student Counseling Committee for the School.
- 2007 (Aug) – 2008 (Aug):** Co-ordinator of Postgraduate studies in the Department.
- 2007 (Aug) – 2008 (Jan):** Acting Chairman of the Department.
- 2005 (May) – 2007 (July):** Departmental co-ordinator for Undergraduate studies.
- 2003 May – to date:** Lecturer, Dept. Paediatric Dentistry/Orthodontics, University of Nairobi.
- 2002 Dec – 2003 May:** Honorary Lecturer, Dept. Paediatric Dent/Orthodontics, University of Nairobi.

### **III. Other teaching and clinical experiences:**

- 2001 – 2002:** Attachment to various paediatric dental clinics in The Netherlands.
- 2001 February:** Facilitator of ART Master- class ART Course, KMTC, Nairobi.
- 2000 – 2002:** Part-time Lecturer, Royal Tropical Institute, Amsterdam, The Netherlands
- 1999 – 2001:** Undergraduate clinical teaching, University of Amsterdam.
- 1992 . 2003:** Director of Private Dental Clinic in Nairobi.
- 1988 (May) – 1991 (Dec):** Senior Dental Officer, Nairobi City Council.
- 1983 (Nov) – 1988 (Feb):** (a) Senior Dental Officer/ Chief Dental Officer, City of Harare, Zimbabwe.
- (b) Part-time Lecturer, Department of Community Medicine, University of Zimbabwe.

### **IV. Supervision of student research and MDS Thesis supervision:**

#### **1. Completed Thesis:**

##### **Post-graduate:**

- (a) **Daniel Kimei (2010):** Oral health status among 3 to 12 year-olds with acquired/congenital heart disease in Nairobi and their caregiver knowledge , attitudes and practices on oral healthcare of these children.
- (b) **Nancy Njoroge (August, 2007):** Early childhood caries among 3 – 5 year-olds and their caregiver’s oral health knowledge, attitude and practice in Kiambaa division, Kenya.

- (c) **Jenipher Achieng Ober (August 2006)**: Oral health status and utilization of oral health services by children with cerebral palsy at two centres in Nairobi, Kenya
- (d) **D.S. Rwakatema (August, 2005)**: Malocclusion and Orthodontic treatment needs in 12 – 15 year-old children in Moshi, Tanzania.

## 2. On-going Thesis:

### Postgraduate:

- (a) **Opondo Immaculate Achieng (September 2008)**: The effects of Dental caries and oral health status on oral health related quality of life of 6 to 12 year-olds in a slum in Nairobi ( Proposal development)

### Undergraduate - (completed):

- (a) **Gwahala Edalia Laura (2007)**: Oral health status, practice and attitude of children from two homes in Nairobi
- (b) **Otieno Odhambo (2006)**: Oral health status, knowledge and practice in children in three schools in Ksarani, Nairobi
- (c) **Beldina Machogu (2010)**: Aetiology and effects of dental anxiety on early oral health seeking behavior among 9 to 15 year-old children in Nairobi primary schools.
- (d) **Oramis D. (2010)**: The effects of advertsments on the oral health seeking behavior of primary school children from two schools in Nairobi.

## V. Publications

1. **Kemoli AM**, Opinya GN, van Amerongen WE. Two-year survival of glass ionomer sealants placed as part of proximal ART restorations, E Afr Med J (in press).
2. **Kemoli AM**, Opinya GN, van Amerongen WE, Mwalili S. Two-year survival rates of proximal atraumatic restoration treatment restorations in relation to glass ionomer cement and post restoration meals consumed. J Paediatr Dent, 2011; 33(3): 546 – 551.
3. **Kemoli AM**, van Amerongen WE. The dilemma of selecting suitable proximal carious lesions in primary molars for restoration using the

- atraumatic restorative treatment (ART) approach. *Community Dent Health J*, 2011 (March); 28(1): 12 – 16.
4. Boon CJPM, Visser NL, **Kemoli AM**, van Amerongen WE. ART class II restoration loss in primary molars: re-restoration or not. *Eur Arch Paediatr Dent*, 2010; 11(5): 228 - 231.
  5. Njoroge N, **Kemoli A.M.** The prevalence of ECC among 3 to 5 year-olds in Kiambaa division, Kenya. *E Afr Med J*, 2010; 87(3): 134 -137.
  6. **Kemoli AM**, van Amerongen WE, Opinya GN. Influence of different isolation methods on the survival of proximal ART restorations in primary molars after two years. *Eur Arch Paediatr Dent*. 2010; 11(3): 132 - 135.
  7. Edalia GL, Mua BN, Kisumbi BK, **Kemoli AM**. Oral health knowledge, attitude, practices and caries experience among 10 – 12 year-olds in children's homes, *J Kenya Dent Assoc*, 2009; 1 (3): 84 – 89.
  8. **Kemoli AM**, van Amerongen WE, Opinya GN. Influence of the experience of operator and assistant on the survival rate of proximal ART restorations: two-year results. *Eur Arch Paediatr Dent*, 2009; 10(4): 243 -248.
  9. **Kemoli AM**, van Amerongen WE. Influence of the cavity-size on the survival rate of proximal ART restorations in primary molars. *Inter J Paediatr Dent*, 2009; 19: 423 – 430
  10. **Kemoli AM**. Prevalence of Molar Incisor Hypomineralization in six to eight year-olds in two rural divisions in Kenya. *E. Afr Med J* 2008; 85 (10): 514 – 519.
  11. Contribution to Textbook of Paedodontics (chapter 16, second Ed., June 2008) by Prof. S. Tandon.
  12. Contribution to the Text Book of Paediatric Dentistry, edited by Prof Damle SG, 3rd Edition (of chapters 4, 5 and 24).
  13. Rwakatema DS, Ng'ang'a PM, **Kemoli AM**. Orthodontic treatment needs amongst 12-15 year-olds in Moshi, Tanzania. *E Afr Med J* 2007; 84:226-232.

14. Rwakatema DS, Ng'ang'a PM, **Kemoli AM**. Prevalence of malocclusion amongst 12-15 year-olds in Moshi, Tanzania, using Bjök's criteria. *E Afr Med J* 2006; 83:372-379.
15. Rwakatema DS, Ng'ang'a PM, **Kemoli AM**. Awareness and concerns about malocclusion amongst 12-15 year-old children in Moshi, Tanzania. *E Afr Med J* 2006; 83:92-97.
16. **Kemoli AM**, Amerongen van WE, de Soet JJ. Antimicrobial and buffer capacity of crude extracts of chewing sticks (mswaki) from Kenya. *J Dent Child* 2001; 68(1):183-188.
17. **Kemoli AM**. Traditional chewing sticks, their efficacy and anti-cariogenic effects. University of Amsterdam, MSc Thesis, 2001.

#### **VI. Case reports:**

Wagaiyu EG, Ng'ang'a RN, **Kemoli AM**. Hereditary gingival fibromatosis: report of family case series. *EAMJ*, 2009 (October); 66(10): 491 – 493.

#### **VII. Abstracts from presentations at conferences:**

1. **Kemoli AM**, van Amerongen WE. Influence of operator/assistant experiences of survival rate of proximal ART restorations. *Inter J Peadiatr Dent*, 2009; 19 (1): 9 (Abstract No. 004-25).
2. Mwalili SM, Andika V, **Kemoli A**. The influence of the operator and assistant experience on the survival of proximal ART restorations: A Kaplan-Meier survival analysis. Abstract S24.2 presented at 30 Annual Conference of the International Society for Clinical Biostatistics (23 - 27 Aug 2009), Univ of Economics, Prague, Czech Republic
3. Visser NL, Boon CPJM, Amerongen WE, **Kemoli AM**. Effects of an ART restoration on dentine. 22nd congress of IAPD, June 17 – 20, 2009, Munich, Germany.
4. van Amerongen WE, **Kemoli A**. ART class II restorations and the influence of the size of the preparation. Abstract P21, Conference of European Academy of Peadiatric Dentistry (EAPD), Univ of Zagreb, Croatia, 2008
5. **Kemoli AM**, van Amerongen WE. Isolation method and the survival of proximal ART restorations. *J Dent Res*, 2008; 87 Issue 8(Abstract 2488).

## VIII. Professional Courses/Seminars/workshops/conferences

- 2011 (june 15 -17):** Oral presentation at 1<sup>st</sup> International Scientific Conference at University of Nairobi, CHS : Title: Effects of oral hygiene, residual caries and cervical marginal gaps on 2-year survival of proximal ART restorations
- 2011 (May 19 – 20):** Oral presenter at 3<sup>rd</sup> Annual ITROMID Scientific Conference on Health research for sustainable development, JKUAT, Kenya. Paper was entitled: 'The art of ART – a 2-year clinical trial for proximal dental restorations'.
- 2010 (MAY 10 – 14):** **Certificate** – Health Communication (short course, held in Nakuru, Kenya
- 2009 (25 September):** Attended a meeting that formed the regional **Task Force for East Africa on Global Dental Child Health** (Dar es Salaam, Tanzania
- 2009 (17- 20 June):** **Oral presentation** of a scientific paper (oral) at the 22<sup>nd</sup> International entitled "Influence of operator/assistant on survival rate of proximal ART restorations" Association of Paediatric Dentistry Conference in Munich, Germany
- 2008 (July 2-5):** **Poster presentation** of a scientific paper entitled: "Isolation method & the survival of proximal ART restorations" at the IADR General Session, Toronto, Canada.
- 2007 (Aug):** **Speaker** at a Kenya Dental Association seminar, Karen Hospital, Nairobi, Topic: Dental anxiety and fear in children.
- 2006 (sept):** Attended course on Biostatistics and research in Paediatric Dentistry, University of Amsterdam, The Netherlands
- 2003 (Nov):** **Key-note speaker** at Indian Society of Paediatric and Preventive dentistry conference, Mumbai, India. Topic: The Effects of chewing sticks in prevention of dental caries
- 2002 (Sept):** Non-Certificate course in child management in dental practice, Brussels, Belgium.
- 2001:** **Certificate** – Tooth Pain Management in dental practice.
- 2000:**
1. **Certificate** – Syndromes in children, recognition, aetiology and implication.
  2. **Certificate** – Relaxation technique and hypnosis.

- 1999:**
1. **Certificate** – Developmental disturbances in children.
  2. **Certificate** – Human growth and development.
  3. **Certificate** – Autism as a developmental disturbance.
  4. **Certificate** - Behavioural disturbances in mentally Handicapped children.
  5. **Certificate** – Anxiety in the dental practice.
- 1999:** **Key-note speaker** at the children of the New Millennium Conference at The Hague, The Netherlands. Topic: Drug Abuse by adolescents in Nairobi.
- 1996 (Sept):** One month in-house, paediatric dental course, University of Amsterdam, The Netherlands.
- 1995 (April):** Two-day dental seminar, London, United Kingdom.
- 1994 (Sept):** One month course in clinical orthodontics, University of Witwatersrand, South Africa.
- 1992:** One week dental seminar, Johannesburg, South Africa.
- 1987 (Aug):** One week dental seminar, Buenos Aires, Argentina.
- 1985:** **Oral presentation** of a scientific research paper on “KAP of oral hygiene in Harare”, at the Zimbabwe Scientific Symposium, Harare, Zimbabwe.

**IX. Supervision of student from University of Amsterdam (ACTA) – completed thesis (Undergraduate):**

1. Krebbers Hans and Eric Millards (September to November, 2007): The quality of ART proximal restorations after one and a half years.
2. Eiloo TC, Menke SME and Tjoe A Long JIS (May to July, 2007): The quality of ART proximal restorations after one year.
3. Eva Tromp and Marijn Buikstra (March to May, 2007): Review of survival rates of proximal ART restorations after five months.
4. Van de Veerdonk, Andriessen Frank, Alexander Schouten and Camillo Boxtel (May to July, 2006): Clinical training in ART technique and restoration of carious primary molars in a research project. Thesis on the quality of proximal ART restorations after one month.
5. Marcel Duker and Pieter HD (February to April 2006). Choosing proximal cavities, restorable using the ART approach.

6. Hoebe Marloes, Nanda Visser, Laretta Vassen and Eveline Driessen ( September to November, 2006): The art of ART.
7. Wils Haye and Arjan Wehman (September to November, 2005): Oral Hygiene in primary school children in Machakos, Kenya. A continuation report.
8. Linda Snijders and Anne de Winter (May to August 2005). The immediate benefits of using herbal mouthwashes in 6 to 7 year-olds t on oral health status.
9. Marcel A.W. Prazsky and de Goode M.P (September to November 2003): Evaluating the caries and oral health status of children from a rural-population in Kenya.
10. Braakhuis WM and Vis GMG (September to November, 2002). The effects of an intervention programme on oral health status of rural school children 6 to 7 years after two years.
11. Inge Aarts and Maurits Mayer (Jan to March 2002): Survival rate of class I ART restorations in permanent molars: two –year results.
12. Van Karin Mes and Dunkerke Antoine (March to may, 2002). Use of of mswaki and its effectiveness on oral health and dental treatment with ART technique in primary school children in rural Kenya.
13. Van Leonie Leeuwen and Brenda. Thiers (September-December 2000): The effects of an intervention programme on oral health status of rural school children 6 to 7 years after six months.
14. Van Calcar Nils and Bekir Kurkcu (March to May 2000): Class I ART technique in permanent molars of 6 to 7 year-old children in 7 rural schools in Kenya. Evaluation of the restorations after one month.

## **X. Supervision of student from University of Amsterdam (ACTA) – Completed Thesis (Postgraduate)**

- (1). **Boon CPJM & Nanda Visser (April, 2011):** Effects of ART restorations on the carious process within dentine. (completed)

## **XI. Professional activities and affiliations**

1. Member of Editorial Board of :  
 Journal of Paediatric Biochemistry, Turkey  
 Journal of Contemporary Clinical dentistry, Published in India  
 Associate Editor, International Online Journal of Paediatric Dentistry



2. Reviewer for the following Journals:

- i. East African Medical Journal
- ii. European Archives of Paediatric Dentistry Journal
- iii. Kenya Dental Journal
- iv. Journal of Head and Face medicine
- v. Saudi Medical Journal
- vi. Journal of International Society of Preventive and Community Dentistry

3. Membership in the following:

- i. International Association of Paediatric dentist.
- ii. International Association of Dental Research.
- iii. Kenya Dental Association.
- iv. United Kenya Club.

4. Past member of:

- i. Zimbabwe Dental Association.
- ii. Rotary club Nairobi Central.
- iii. Kenya Red Cross, Nairobi Branch, Vice-chairman of and chairman of its Health Committee.
- iv. Dutch Dental Association.

5. Professional registration:

Registered on the register of Dentists kept by:

- i. Medical Practitioners and Dentist Board, Kenya.
- ii. Health Professions Council of Zimbabwe.
- iii. BIG-register, The Netherlands.
- iv. Health Professions Council of Namibia.

6. Convener: Kenya Association of Paediatric Dentistry (in-formation).

## **XII. Honours**

2011 Biographee in Marqis Who's who in the world for contribution made towards the community and the profession.