

VOLUME 40, NUMBER 10  
OCTOBER 2023

ISSN 0189 - 160X

---

# WAJMJ

---

**WEST AFRICAN JOURNAL OF MEDICINE**

ORIGINALITY AND EXCELLENCE IN MEDICINE AND SURGERY



**OFFICIAL PUBLICATION OF**  
THE WEST AFRICAN COLLEGE OF PHYSICIANS *AND*  
WEST AFRICAN COLLEGE OF SURGEONS



[www.wajmed.org](http://www.wajmed.org)



## TABLE OF CONTENTS

GENERAL INFORMATION	1C
INFORMATION FOR AUTHORS	1F
EDITORIAL NOTES – <b>Reducing the Risks of Nuclear War – The Role of Health Professionals</b> .....	1009
Kamran Abbasi, Parveen Ali, Virginia Barbour, Kirsten Bibbins-Domingo, Marcel GM Olde Rikkert, Peng Gong, Andy Haines, Ira Helfand, Richard Horton, Bob Mash, Arun Mitra, Carlos Monteiro, Elena N. Naumova, Eric J. Rubin, Tilman Ruff, Peush Sahni, James Tumwine, Paul Yonga, Chris Zielinski,	
<b>ORIGINAL ARTICLES</b>	
<b>The Iron Status of Children with and without Sickle Cell Disease at the University of Ilorin Teaching Hospital, Nigeria</b> .....	1013
M. A. Akintola, R. M. Ibraheem, S. A. Biliaminu, S. K. Ernest, A. Ojuawo	
<b>Missed opportunities for Intermittent Preventive Treatment of Malaria among pregnant women with the recommended number of antenatal care visits in Nigeria: Secondary Analysis of Malaria Indicator Survey 2021</b> .....	1021
I. A. Ahmad, M. N. Sambo, S. H. Idris, A. G. Nmadu, J. Ibrahim	
<b>Evaluation of Forced Expiratory Volume in One Second and Forced Vital Capacity from Age and Height for Pulmonary Function Test</b> .....	1029
S. Almaasfeh, A. Abukonna, S. Omer, H. Osman	
<b>Diagnostic Utility of EMA, Vimentin and CD117 Immunohistochemical Markers in Subtyping Renal Cell Carcinoma in a Nigerian Tertiary Hospital: A 10-year Retrospective Study</b> .....	1035
J. I. Nwadiokwu, O. O. Adegoke, M. A. Ajani, C. A. Okolo, B. L. Awosusi, V. C. Okebalama	
<b>Determination of Streptococcus Mutans and Lactobacillus Counts and their Association with Resting pH of Saliva and Dental Caries in Preschool Children in Lagos</b> .....	1041
A. S. Omotuyole, F. A. Oredugba, E. O. Sote, S. I. Jaja	
<b>Preliminary Study on Open Labelled Randomized Controlled Trial of the Safety and Efficacy of Hydroxychloroquine and Chloroquine Phosphate for the Treatment of Persons Infected with 2019 Coronavirus Disease in Nigeria</b> .....	1049
O. O. Aina, A. A. Busari, D. A. Oladele, C. Esezobor, I. E. Akase, A. P. Okwuraiwe, C. O. Okoyenta, E. Otrofanowei, A. B. James, T. A. Bamidele, O. B. Olopade, O. Ajibaye, A. Z. Musa, A. O. Salako, O. P. Agabi, A. K. Olakiigbe, P. E. Akintan, O. S. Amoo, E. Ima-Edomwonyi, T. Y. Raheem, A. N. David, G. O. Akinbode, N. Nmadu, K. A. Osuolale, B. Fadipe, A. Abiola, T. Tade, R. A. Audu, W. L. Adeyemo; O. C. Ezechi, C. Bode, B. L. Salako.	
<b>Assessment of Basic Knowledge on Orofacial Pain amongst Undergraduate Dental Students</b> .....	1060
S. O. Gbadebo, A. O. Sulaiman, Y. I. Adeyemo	
<b>Climate change and Force Majeure on Childhood Oncology Services in a Low Resource Setting: Experience from a Tertiary Institution in Nigeria</b> .....	1067
T.P. West, A.M. Akinsete, U. Fakile, T.O. Fashola	
<b>Physical Inactivity and Doctor-diagnosed Arthritis among Kitchen Workers in Jos</b> .....	1072
C. U. Uhunmwangho, F. O. Anjorin, L. C. Imoh.	
<b>Association between C-Reactive Protein and low-grade Inflammation among Nigerian women with Polycystic Ovarian Syndrome</b> ..	1079
C. B. N. Akpata, P. O. Uadia, F. E. Okonofua	
<b>Predictive and Relative factors of Dental Anxiety among Third Molar Disimpaction Patients in a Northern Nigerian Hospital</b> .....	1086
A. R. Suleiman, K. U. Omeje, A. A. Efunkoya, O. I. Amole, A. A. Ogundele	
<b>Burnout among Doctors and Nurses at the University of Uyo Teaching Hospital, South -South, Nigeria: A comparative study</b> .....	1096
B.A. Bassey, O.E. Johnson, A. N. Ofili, E. B. Bassey	
<b>Development and Validation of Cannabis Use Disorder Scale among University Undergraduates in Nigeria</b> .....	1107
O. A. Owoeye, O. F. Aina, O. Makanju, A. B Aroyewun	
<b>REVIEW ARTICLE</b>	
<b>A Review on the Health Impact of Self-medication for Malaria on Port Harcourt Residents</b> .....	1118
C. Chinah, R. Irons	
<b>CASE REPORT</b>	
<b>Parathyroid hormone resistance: An uncommon cause of hypocalcaemia in an adult Ghanaian female</b> .....	1131
J. Akpalu, C. Ampong, J.G. Adiiyoka, E. Nikoi, Y. Atiase, E. Yorke	
<b>INDEX TO VOLUME 40, NO 10, October, 2023</b>	
<b>Author Index</b> .....	1135
<b>Subject Index</b> .....	1136



### Assessment of Basic Knowledge on Orofacial Pain amongst Undergraduate Dental Students

#### *Évaluation des Connaissances de Base sur les douleurs Orofaciales chez les Étudiants en Odontologie*

<sup>1</sup>S. O. Gbadebo, <sup>1</sup>A. O. Sulaiman, <sup>2\*</sup>Y. I. Adeyemo

#### ABSTRACT

**INTRODUCTION:** With pain being the major cause of visits to the dental clinic, the basic knowledge of causes for adequate management is paramount for dentists and dentists-in-training to improve the quality of life of patients.

**OBJECTIVE:** The study was conducted to assess the knowledge of undergraduate dental students regarding orofacial pain (OFP) and how comfortable they are understanding, identifying, and diagnosing different categories of OFP.

**DESIGN:** A cross-sectional study was carried out amongst penultimate and final year dental students of two dental schools. A modified questionnaire on basic knowledge of OFP which contained 16 questions was adopted to evaluate students' knowledge. Questions also assessed how comfortable the students were diagnosing the different categories of OFP. P value was set at  $\leq 0.05$  (exact).

**RESULTS:** One hundred and four undergraduates participated in the study. The age range was 23-33 years while the mean was  $24.3 \pm 2.1$  years. Only 31% got the basic questions correctly. About 51% in both levels claimed they had moderate knowledge (scale 5-7) of pain education, while 64% of final year students felt their knowledge was adequate for their clinical needs, 50% of the penultimate year felt otherwise ( $p=0.02$ ). All students however believed they needed more teaching on orofacial pain, with the most preferred form of learning being clinic-based teaching (40.4%).

**CONCLUSION:** The study showed moderate self-assessed knowledge but low general basic knowledge of OFP by the undergraduate students; possibly a reflection of the curriculum. Therefore, there is a need to improve the curriculum for orofacial pain teachings in dental schools. *WAJM 2023; 40(10); 1060-1066.*

**Key words:** Orofacial pain, knowledge, undergraduates, dental education, Nigeria

#### RÉSUMÉ

**CONTEXTE :** La douleur étant la principale raison des visites chez le dentiste, la connaissance de base des causes pour une gestion adéquate est primordiale pour les dentistes et les étudiants en odontologie afin d'améliorer la qualité de vie des patients.

**OBJECTIF:** L'étude avait pour but d'évaluer les connaissances des étudiants en odontologie sur les douleurs orofaciales (DOF) et dans quelle mesure ils se sentent à l'aise pour comprendre, identifier et diagnostiquer les différentes catégories de DOF.

**CONCEPTION:** Une étude transversale a été menée auprès des étudiants en odontologie de deux écoles dentaires en avant-dernière et dernière année. Un questionnaire modifié sur les connaissances de base en DOF, comprenant 16 questions, a été adopté pour évaluer les connaissances des étudiants. Les questions ont également évalué dans quelle mesure les étudiants se sentaient à l'aise pour diagnostiquer les différentes catégories de DOF. La valeur P a été fixée à  $\leq 0,05$  (exacte).

**RÉSULTATS:** Cent quatre étudiants ont participé à l'étude. La tranche d'âge était de 23 à 33 ans, avec une moyenne de  $24,3 \pm 2,1$  ans. Seuls 31 % ont répondu correctement aux questions de base. Environ 51 % des étudiants des deux niveaux ont affirmé qu'ils avaient des connaissances modérées (échelle de 5 à 7) en éducation sur la douleur, tandis que 64 % des étudiants en dernière année estimaient que leurs connaissances étaient adéquates pour leurs besoins cliniques, 50 % des étudiants en avant-dernière année pensaient le contraire ( $p=0,02$ ). Cependant, tous les étudiants estimaient avoir besoin d'un enseignement supplémentaire sur les douleurs orofaciales, la forme d'apprentissage préférée étant l'enseignement en clinique (40,4%).

**CONCLUSION:** L'étude a montré une connaissance auto-évaluée modérée mais des connaissances de base générales faibles sur les DOF parmi les étudiants en odontologie, ce qui pourrait être le reflet du programme d'études. Par conséquent, il est nécessaire d'améliorer le programme d'enseignement sur les douleurs orofaciales dans les écoles de dentisterie. *WAJM 2023; 40(10); 1060-1066.*

**Mots-clés:** Douleurs orofaciales, connaissances, étudiants, éducation dentaire, Nigéria.

<sup>1</sup>Department of Restorative Dentistry, College of Medicine, University of Ibadan/University College Hospital.

<sup>2</sup>Department of Child Dental Health, Bayero University, Kano/Aminu Kano Teaching Hospital.

\*Correspondence: Yewande Isabella ADEYEMO; Department of Child Dental Health, Bayero University, Kano/Aminu Kano Teaching Hospital.  
Email: wendiepee@gmail.com