

VOLUME 41, NUMBER 7  
July 2024

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	IC
INFORMATION FOR AUTHORS	1F
EDITORIAL NOTE:	
Stress-Related Quality of Life Among Healthcare Professionals, and the Urgent Need for Systemic Reforms .....	737
Towards Bridging Gaps in Healthcare Delivery <i>G. E. Erhabor</i>	
<b>ORIGINAL ARTICLES</b>	
<b>The Value of Targeted Screening for Glaucoma: The University of Ilorin Teaching Hospital Experience .....</b>	<b>741</b>
T. S. Obajolowo, I. A. Yusuf, S. G. Adeoti, J. F. A. Owoeye, M. A. Taiwo, F. O. Olatunji	
<b>Research Participation and Feedback: Perception of Adolescents and Young Adults Living with HIV in Lagos, Nigeria .....</b>	<b>748</b>
A. O. Salako, T. Musari-Martins, F. T. Akinsolu, O. O. Odubela, P. N. Ezemelue, B. Opaneye, S. Bankole, N. O. Rahman, I. E. Idigbe, A. R. Abubakar, N. A. David, T. A. Gbaja-biamila	
<b>Assessment, Management and Quality of Care of Patients Presenting with Non-Traumatic Acute Chest Pain .....</b>	<b>755</b>
<b>in the Emergency Room who had Acute Coronary Syndrome</b>	
O. O. Oladapo, K. A. Ojifinni, O. Adebayo, O. A. Orimolade, O. Oluwasanjo, V. A. Obasuyi, A. T. Adeyanju	
<b>A 7-Month Review of Clinical and Demographic Predictors of Childhood Mortality in a Tertiary Children .....</b>	<b>761</b>
<b>Hospital in Freetown, Sierra Leone</b>	
I. E. Akhigbe, P. E. Ikhurionan, N. V. T. Bell, R. D. C. Luke, A. B. Bah, A. Geissler-Jalloh, A. M. Mustapha, G. E. Ofovwe	
<b>Molecular Subtypes of Breast Cancer in a Tertiary Centre in Edo State: South-South Nigeria .....</b>	<b>767</b>
E. E. Ugiagbe, D. O. Owolabi	
<b>Gaps in Management of Dyslipidaemia among Physicians in Nigeria: Report of a Web-Based Survey .....</b>	<b>775</b>
Y. A. Ayoola, O. A. Adejumo, S. O. Oiwoh, J. O. Akande, O. Adebayo, T. I. A. Oseni, F. O. Inofomoh, A. A. Mamza, I. R. Edeki, A. C. Enikuomihin, O. O. Oni, O. A. Junaid, T. T. Shogade, I. A. Yusuf, M. M. Yakubu, A. O. Yusuf, D. S. Oyedepo, S. O. Adebayo, A. A. Akintunde for the Nigeria Clinical Lipid Research (NiCLiR) Network	
<b>Opinions of Dental Technologists in Nigeria on Quality of Work Authorization for Removable Dental Prosthesis .....</b>	<b>783</b>
O. A. Adenuga-Taiwo, T. O. Omosebi, M. O. Bowale, A. O. Awotile, I. Dike	
<b>Assessing the Quality of Life of Healthcare Professionals in High-Stress Units at a Tertiary Health Centre .....</b>	<b>789</b>
<b>in South-eastern Nigeria</b>	
S. I. Ezemenahi, C. C. Ibe, O. S. Okonkwo, C. S. Anusi, S. C. Ezemenahi, P. Esegbe, A. N. Alabi	
<b>Perception, Practice and Cost Burden of Medical Tourism Among Physicians in Public Tertiary Health .....</b>	<b>796</b>
<b>Facilities in Oyo State, South-West, Nigeria</b>	
R. Y. Olatunde, O. T. Esan	
<b>Awareness of Primary Care Providers on Genital Schistosomiasis Infection in Northern Nigeria .....</b>	<b>805</b>
Y. A. Sada, A. L. Olawumi, M. Tenego, M. S. Sidi, M. Z. Dan-Inna, Y. F. B. Camanor, T. I. A. Oseni	
<b>Use of Prophylactic Parenteral Tranexamic Acid for Reduction of Blood Loss During and After Caesarean Section: .....</b>	<b>810</b>
<b>A Double-Blind Randomized Controlled Study</b>	
A. V. Ndubuisi, P. U. Agu, E. O. Ugwu, S. N. Obi, G. U. Eleje, M. I. Eze, K. E. Ekwuazi, A. O. Ugwu, P. C. Ekwueme, C. S. Anigbo	
<b>Analysis of the Factors Affecting the Male-Female Sex Ratio of Babies Born through Assisted Reproductive Technology .....</b>	<b>818</b>
A. O. Ugwu, C. C. Makwe, V. Kay	
<b>CASE REPORT</b>	
<b>Biventricular Hypertrophic Cardiomyopathy in a 26-year-old Nigerian Woman with Noonan Syndrome .....</b>	<b>826</b>
O. S. Ogah, A. Aje, V. A. Obasuyi, O. A. Orimolade, I. T. Nebo, F. A. Ajao, D. A. Olawuyi, V. K. Olalekan, C. M. Ogah, F. E. Obiekwe, M. N. Odenigbo, O. M. Adebayo, A. M. Adeoye, O. O. Oladapo, A. Adebisi	
<b>Intramural Pregnancy: An Intriguing Diagnosis in a Resource Constraint Practice .....</b>	<b>831</b>
O. O. Lawal, G. O. Obajimi, C. M. Okor, J. A. Ogunsola	
<b>Cerebral Echinococcosis Mimicking a Brain Tumour in Rural Southwest Nigeria .....</b>	<b>836</b>
M. O. Buhari, O. Omoseebi, O. O. Oyeleye, O. Folaranmi, O. O. Erinomo, O. M. Adeniyi	
<b>INDEX TO VOLUME 41, NO. 7, 2024</b>	
Author Index .....	840
Subject Index .....	841



## CASE REPORT

### Cerebral Echinococcosis Mimicking a Brain Tumour in Rural Southwest Nigeria

*Échinococcose Cérébrale Imitant une Tumeur Cérébrale dans le Sud-Ouest Rural du Nigeria.*

<sup>1\*</sup>M. O. Buhari, <sup>2</sup>O. Omosebi, <sup>3</sup>O. O. Oyeleye, <sup>4</sup>O. Folaranmi, <sup>2</sup>O. O. Erinomo, <sup>2</sup>O. M. Adeniyi

#### ABSTRACT

Echinococcosis is a zoonosis caused by tapeworms of the genus *Echinococcus*. Cerebral echinococcosis (CE) poses a significant public health challenge due to its neglected status. It is endemic in Central Asia, Africa and parts of South America, with prevalence estimated to be 1.18-3 per 100,000 population in Iran. We report the case of a 45-year-old male who presented with seizure disorders and was evaluated and treated for a neoplasm, with complete excision of the lesion. Pathologic examination revealed the characteristic echinococcal (hydatid) cyst. The patient recovered fully. As CE is a great imitator of several other conditions in endemic areas, a high index of suspicion must be maintained in endemic countries.

WAJM 2024; 41 (7): 836 - 839

**KEYWORDS:** Brain tumour, Case report, Cerebral echinococcosis, Southwest Nigeria.

#### RÉSUMÉ

L'échinococcose est une zoonose provoquée par des ténias du genre *Echinococcus*. L'échinococcose cérébrale (EC) pose un défi de santé publique important en raison de son statut négligé. Elle est endémique en Asie centrale, en Afrique et dans certaines parties de l'Amérique du Sud, avec une prévalence estimée entre 1,18 et 3 pour 100 000 habitants en Iran. Nous rapportons le cas d'un homme de 45 ans qui a présenté des troubles épileptiques et a été évalué et traité pour une tumeur, avec excision complète de la lésion. L'examen pathologique a révélé le kyste échinococcique (hydatique) caractéristique. Le patient s'est complètement rétabli. Comme l'EC est un grand imitateur de plusieurs autres conditions dans les zones d'endémie, un indice de suspicion élevé doit être maintenu dans les pays d'endémie. WAJM 2024; 41 (7): 836 - 839

**MOTS CLÉS:** Tumeur cérébrale, rapport de cas, échinococcose cérébrale, sud-ouest du Nigeria.

<sup>1</sup>Department of Pathology, University of Ilorin, Ilorin.

<sup>2</sup>Department of Morbid Anatomy, Federal Teaching Hospital, Ido-Ekiti.

<sup>3</sup>Department of Surgery, Federal Teaching Hospital, Ido-Ekiti.

<sup>4</sup>Department of Pathology, University of Ilorin Teaching Hospital, Ilorin.

**Corresponding author:** Professor Mikhail Olayinka BUHARI, Department of Pathology, University of Ilorin, Ilorin.

Email: mikhail@unilorin.edu.ng, Tel:- +234 803 279 6509