

Editor's choice: Infectious disease are still dominating the African scene

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Welcome to this September 2024 issue of *African Health Sciences*, in which we bring you very interesting papers on; infections, communicable disease, sexual reproductive health, and systems. The papers on infectious diseases include: a systematic review on HIV virologic failure¹; impact of lockdowns on ART adherence in Zimbabwe²; community engagement in Uganda³, antibiotic sensitivity of uro-pathogens⁴; extended spectrum and beta lactamase⁵. The papers also touch on hepatitis C⁶; antibiotic resistance in Iraq⁷; flow cytometry for detection of antibiotic resistance⁸; severe pneumonia⁹, and molecular biology of TB¹⁰. The next infectious disease papers are on neonatal tetanus in South Sudan¹¹, acute kidney injury in malaria¹², malaria in Kenya^{13,14}, and aflatoxin in maize in Tanzania¹⁵. The next set of papers is on cancer¹⁶⁻²⁷; sexuality and reproductive health²⁸⁻³². We also have papers on child health³³⁻³⁷; non-communicable diseases³⁸⁻⁴⁸, and others⁴⁹⁻⁵².

The set of cancer papers include Dutta's paper on anti-inflammatory activity on leukemic cells¹⁶, JAK2 and neoplasms in Morocco¹⁷; late diagnosis of prostate cancer in Uganda¹⁸, and breast cancer in Zimbabwe¹⁹. The other cancer papers touch on Semaphorin 6D and its role in spread of gastric cancer²⁰; abdominal visceral fat and risk of endometrial cancer²¹; FNA and ultrasonography in thyroid cancer²²; MiRNA and progression of non-small cell lung cancer²³; early diagnosis of gastric cancer²⁴; chronic myeloid leukemia²⁵; and finally, childhood cancer survivors²⁶.

The treatise on sexual reproductive health and Pediatric conditions includes work on abortion²⁷, postpartum anxiety²⁸; women infertility and vitamin D²⁹; guidelines for management of women infertility³⁰; surgery for gynecological oncology³¹; nutrition among non-pregnant women in Zimbabwe³²; diarrhea outbreaks in Ethiopia³³; and calprotectin and breastfeeding³⁴, complementary feeds in Uganda³⁵; congenital malformations³⁶; cleft lip and palate³⁷.

Now over to non-communicable diseases. We have papers on diabetes mellitus^{38, 39}; hypertension⁴⁰; stroke⁴¹;

treatment of migraine⁴²; orthopedic surgery⁴³; and alopecia⁴⁴; red cell alloimmunization and sickle cell disease⁴⁵; substance abuse in Tanzania⁴⁶; dopamine receptors in mice⁴⁷; plaque burden⁴⁸; traditional medicine⁴⁹; effect of mobile phones in drug education⁵⁰; dissemination of research findings⁵¹; and management of nocturnal hemoglobinuria⁵².

Please enjoy this September 2024 issue of African Health Sciences. Happy reading!

References

1. Temere BC, Mewahegn AA, Zewudie BT, GebreEyesus FA, Abebe H, Nuru A, et al. Burden of virologic failure, and its determinants among HIV positive children in East Africa: a systematic review and meta-analysis. *African Health Sciences*. 2024;24(3). 1-9. <https://dx.doi.org/10.4314/abs.v24i3.2>
2. Bukenya D, Mpairwe B, Ssentongo NJ, Ssenyomo G, Fox J, Newton R, et al. Experiences of community engagement for SARS-COV-2 and COVID-19 community surveillance in a rural and urban population in South Western Uganda. *African Health Sciences*. 2024;24(3). 10-20. <https://dx.doi.org/10.4314/abs.v24i3.3>
3. Odongo C O, Niyibizi J B, Bizimana E, Nshimiimana I, Ruhangaza D. Diversity and antibiotic sensitivity of uropathogens from a regional hospital in Rwanda. *African Health Sciences*. 2024;24(3). 21-29. <https://dx.doi.org/10.4314/abs.v24i3.4>
4. Ezeh C K, Digwo D C, Okeke I A, Elebe P C, Ezeh E O. A systematic review and meta-analysis on the prevalence of extended-spectrum beta-Lactamase-Producing Klebsiella Pneumonia in Nigeria. *African Health Sciences*. 2024;24(3). 30-40. <https://dx.doi.org/10.4314/abs.v24i3.5>
5. Ocama P, Ssekitolesko R, Nankya-Mutyoba J, Apica B, Otekat G, Seremba E. High false hepatitis C antibody positivity rate in a regionally-inclusive population of non-renumerated blood donors in Uganda. *African Health Sciences*. 2024;24(3). 41-46. <https://dx.doi.org/10.4314/abs.v24i3.6>

6. Hashim HT, Hashim AT, Ali HT, Mohamed H, Elrefaey A, Imamoury A, et al. Prevalence and pattern of antibiotic use and resistance among iraqi patients: a cross-sectional study. *African Health Sciences*. 2024;24(3). 47-57. <https://dx.doi.org/10.4314/ahs.v24i3.7>
7. Yuruker O, Güler E, Süer K, Güvenir M. Can flow cytometry be an alternative method for the detection of antimicrobial resistance? *African Health Sciences*. 2024;24(3).58-62. <https://dx.doi.org/10.4314/ahs.v24i3.8>
8. Zhang G, Hu Y, Huang B, Gao H, Zhu M. The predictive value of PCT, SP-D and 8-iso-PGF2 α for the development of severe pneumonia in children. *African Health Sciences*. 2024;24(3). 63-68. <https://dx.doi.org/10.4314/ahs.v24i3.9>
9. Jamir I, Joseph NW, Kannambath R, Kumar P. Molecular identification of Mycobacterium bovis in patients with tuberculosis attending a tertiary care hospital in South India. *African Health Sciences*. 2024;24(3). 69-74. <https://dx.doi.org/10.4314/ahs.v24i3.10>
10. Tongun JB, Madison ABB, Lako JD, Sube KL. Neonatal tetanus in South Sudan: a case series. *African Health Sciences*. 2024;24(3). 75- 80. <https://dx.doi.org/10.4314/ahs.v24i3.11>
11. Umuhire L, Dushimiyimana V, Nkuranyabahizi M, Ngendahayo F, Shyaka JC, Ngerageze I, et al. Factors associated with acute kidney injury and outcomes in patients with malaria in a district hospital in Rwanda. *African Health Sciences*. 2024;24(3). 81-89. <https://dx.doi.org/10.4314/ahs.v24i3.12>
12. Woldu D. The relationship between gender and cultural beliefs of malaria into typhoid progression among rural rice farmers in Central Kenya. *African Health Sciences*. 2024;24(3). 90-97. <https://dx.doi.org/10.4314/ahs.v24i3.13>
13. Muzame BA, Omukunda E, Mulama D, Okoth P. Spatio-temporal characterization of malaria prevalence in a peri-urban resource limited setting of Western Kenya Highlands. *African Health Sciences*. 2024;24(3). 98-111. <https://dx.doi.org/10.4314/ahs.v24i3.14>
14. Msemwa B, Mabumbwiga JJ, Minja CA, Phillip SB, Silago V, Mshana SE, et al. Unmasking aflatoxin hazards in maize for human consumption: investigating maize contamination in Mwanza Markets, Tanzania. *African Health Sciences*. 2024;24(3). 112-117. <https://dx.doi.org/10.4314/ahs.v24i3.15>
15. Abderrahmane R-K, Touala-Chaila Z, Benseddik K, Hassani N, Drider H, Derbouz-Draoua I, et al. Are TP53 Arg72Pro and MDM2 T309G polymorphisms associated with bladder cancer risk? A meta-analysis. *African Health Sciences*. 2024;24(3). 118-127. <https://dx.doi.org/10.4314/ahs.v24i3.16>
16. Dutta S, Nishad K, Usha T, Ramesh N, Middha SK. In-vitro scientific validation of anti-inflammatory activity of Punica granatum L. on Leukemia monocytic cell line. *African Health Sciences*. 2024;24(3). 128-137. <https://dx.doi.org/10.4314/ahs.v24i3.17>
17. Belmokhtar KY, Errahhali ME, Lhousni S, Errahhali ME, Bouagaga R, Ouarzane M, et al. JAK2 mutational status and the contribution of TERT and JAK2 polymorphisms to the occurrence of myeloproliferative neoplasms in Eastern Morocco. *African Health Sciences*. 2024;24(3). 138-146. <https://dx.doi.org/10.4314/ahs.v24i3.18>
18. Bunani N, Kisakye AN, Ssenyonjo A, Nuwaha F. Late diagnosis among patients with prostate cancer at the Uganda Cancer Institute: a retrospective cohort study. *African Health Sciences*. 2024;24(3). 147-155. <https://dx.doi.org/10.4314/ahs.v24i3.19>
19. Saruchera B, Bodhlyera O, Mwambi H, Ndlovu N. Prognostic impact of diagnostic and therapeutic time delays in breast cancer: an exploratory data analysis for patients at Parirenyatwa Hospital, Zimbabwe *African Health Sciences*. 2024;24(3). 156-172. <https://dx.doi.org/10.4314/ahs.v24i3.20>
20. Zhou H, Chen G. Biological role of Semaphorin 6D in the proliferation, migration and invasion of gastric cancer. *African Health Sciences*. 2024;24(3). 173-179. <https://dx.doi.org/10.4314/ahs.v24i3.21>
21. Zhang J. Correlation between abdominal visceral fat and the risk of endometrial cancer in patients with polycystic ovary syndrome. *African Health Sciences*. 2024;24(3). 180-187. <https://dx.doi.org/10.4314/ahs.v24i3.22>
22. Zhao L, Zhao L, Chen H, Huang R, Wei Q, Liu J. Diagnostic value of FNA, ultrasound elastography and CEUS in thyroid carcinoma. *African Health Sciences*. 2024;24(3). 188-193. <https://dx.doi.org/10.4314/ahs.v24i3.23>
23. Chen J, Xie S, Feng M, Wang D. MiRNA-153 attenuates progression of non-small cell lung cancer through targeting positive regulatory/SET domain 2. *African Health Sciences*. 2024;24(3). 194-204. <https://dx.doi.org/10.4314/ahs.v24i3.24>
24. Kefeli A, Onayrılı F, Gokcal F. The importance of blood parameters in the detection of intestinal metaplasia and early diagnosis of gastric cancer. *African Health Sciences*. 2024;24(3). 205-215. <https://dx.doi.org/10.4314/ahs.v24i3.25>
25. El Menshawey N, El-Ghonemy MS, El-Ashwah

- S, Elkerdawy H, Abbas R, Abdelhakiem M, et al. The utility of Insulin Like Growth Factor Binding Proteins (IGFBPs-1, 2, 3) with genes expression in resistance to Imatinib and Nilotinib in chronic myeloid leukemia: a pilot study from Delta Egypt. *African Health Sciences*. 2024;24(3). 216-229. <https://dx.doi.org/10.4314/ahs.v24i3.26>
26. Lemmen J, Mageto S, Njuguna F, Midiwo N, Langat S, Vik T, et al. Self-reported late effects in Childhood cancer survivors in Kenya. *African Health Sciences*. 2024;24(3). 230-241. <https://dx.doi.org/10.4314/ahs.v24i3.27>
27. Hu J-X, Chang R, Du J-Q, He M. Attitudes of medical students towards abortion and their willingness to perform abortion: meta-analysis. *African Health Sciences*. 2024;24(3). 242-250. <https://dx.doi.org/10.4314/ahs.v24i3.28>
28. Niloofer A, khalesi ZB, Jafarzadeh-Kenarsari F, Maroufizadeh S. Relationship between sleep quality during pregnancy and postpartum anxiety: a prospective birth cohort study. *African Health Sciences*. 2024;24(3). 251-258. <https://dx.doi.org/10.4314/ahs.v24i3.29>
29. Ibrahim AA, Baker AA, Abdulrahman AH, Abdulrahman AA, Farooq DU, Tarek E-MH. Women's fertility and vitamin D: Could hypovitaminosis D biomarkers correlate with the disease, and explain the unexplained female factor infertility? *African Health Sciences*. 2024;24(3). 259-273. <https://dx.doi.org/10.4314/ahs.v24i3.30>
30. Deborah A, van der Wath A, Yazbek M, Naab F. Guidelines to manage women with infertility: an e-Delphi study. *African Health Sciences*. 2024;24(3). 274-282. <https://dx.doi.org/10.4314/ahs.v24i3.31>
31. Shi X, Cui L, Shi Y, Zhang G, Yang Z, Wang D. Fast-track surgery applied in gynecological oncological surgical treatment: a prospective randomized trial. *African Health Sciences*. 2024;24(3). 283-291. <https://dx.doi.org/10.4314/ahs.v24i3.32>
32. Shumba S, Jacobs C, Kapembwa M, Miyoba TO, Musonda NC. Spatial analysis and associated factors of underweight, overweight and obesity among non-pregnant women of reproductive age in Zambia. *African Health Sciences*. 2024;24(3). 292-301. <https://dx.doi.org/10.4314/ahs.v24i3.33>
33. Bayeh Abera. Burden of childhood diarrhea and cholera outbreaks in the Lake Tana Basin (Ethiopia): Review. *African Health Sciences*. 2024;24(3). 302-312. <https://dx.doi.org/10.4314/ahs.v24i3.34>
34. Kasengi J B, Balemba G M, Baguma M, Malembaka E B, Kambale R M, Battisti O, et al. Association between stunting and fecal calprotectin levels in breast-fed infants living in a rural area of the Democratic Republic of the Congo: a cross-sectional study. *African Health Sciences*. 2024;24(3). 313-321. <https://dx.doi.org/10.4314/ahs.v24i3.35>
35. Atim E, Atukwase A, Kabahenda M. Complementary feeding and food handling practices among caregivers in a semi-urban setting in Northern Uganda. *African Health Sciences*. 2024;24(3). 322-332. <https://dx.doi.org/10.4314/ahs.v24i3.36>
36. Nasri K, Jamaa NB, Aloui M, Mansouri S, Sdiri Y, Cheour M, et al. Epidemiology of congenital malformations in Tunisian liveborns: a retrospective study *African Health Sciences*. 2024;24(3). 333-344. <https://dx.doi.org/10.4314/ahs.v24i3.37>
37. Wang X. Canine pillar bone bearing traction method of skull external fixator combined with nickel-titanium memory alloy spring for unilateral cleft lip and palate with severe facial skeletal hypoplasia. *African Health Sciences*. 2024;24(3). 345-352. <https://dx.doi.org/10.4314/ahs.v24i3.38>
38. Idowu A, Amole I, Durodola A, Idowu O, Adesina S, Adegoke A, et al. Assessment of foot care practice among adults with diabetes mellitus in Ogbomoso, Nigeria. *African Health Sciences*. 2024;24(3). 353-360. <https://dx.doi.org/10.4314/ahs.v24i3.39>
39. Nkola R, Kaggwa MM, Muwanguzi M, Kule M, Rukundo GZ, Ashaba S. Prevalence and factors associated with depression and suicidal ideation among people with diabetes mellitus and hypertension in Uganda. *African Health Sciences*. 2024;24(3). 361-374. <https://dx.doi.org/10.4314/ahs.v24i3.40>
40. Li W. Application effect of task-oriented multi-dimensional nursing intervention in patients with coronary atherosclerotic heart disease and concurrent hypertension. *African Health Sciences*. 2024;24(3). Li W. Application effect of task-oriented multi-dimensional nursing intervention in patients with coronary atherosclerotic heart disease and concurrent hypertension. *African Health Sciences*. 2024;24(3). 375-381. <https://dx.doi.org/10.4314/ahs.v24i3.41>
41. Wu Y, Li K, Tang L, Li G, Huang D, Yang Y, et al. A Review of emergency medical services for stroke. *African Health Sciences*. 2024;24(3). 382-392. <https://dx.doi.org/10.4314/ahs.v24i3.42>
42. Jing W, Xingchuan L, Zhiguo Y, Baowang Y, Ni Z. Comparison of eptinezumab 300 mg with 100 mg for the treatment of migraine: a meta-analysis of randomized controlled studies. *African Health Sciences*. 2024;24(3). 393-400. <https://dx.doi.org/10.4314/ahs.v24i3.43>
43. Imediegwu K, Emmanuel F N, Felix O, Okonk-

- wo K J, Dimson C J, Oge U, et al. Challenges of minimally-invasive orthopaedic surgery practice in Nigeria - a national survey of residents' perspective. *African Health Sciences*. 2024;24(3). 401-409. <https://dx.doi.org/10.4314/ahs.v24i3.44>
44. Zhang X, Zhang M, Guo W, Guo J. A unique approach for investigating skin lesions and their relationship with TCM syndrome differentiation in alopecia areata. *African Health Sciences*. 2024;24(3). 410-416. <https://dx.doi.org/10.4314/ahs.v24i3.45>
45. Ugwu A, Nwagha T, Nweke M. Frequency of red blood cell allo-immunization in transfused patients with sickle cell disease in Africa: a systematic review with meta-analysis. *African Health Sciences*. 2024;24(3). 417-429. <https://dx.doi.org/10.4314/ahs.v24i3.46>
46. Gift A, Mweya CN. Prevalence and factors influencing substance abuse among secondary school students in Mbeya City, Tanzania. *African Health Sciences*. 2024;24(3). 430-437. <https://dx.doi.org/10.4314/ahs.v24i3.47>
47. Tian H, Wang X, Wu S, Yang F, Han Y. Study on the relationship between NF- κ B pathway and skeletal muscle dopamine receptors in muscle-attenuated mice. *African Health Sciences*. 2024;24(3). 438-443. <https://dx.doi.org/10.4314/ahs.v24i3.48>
48. Yu Y, Guo F, Chen Y, Bao W, Li C. Added prognostic value of fat attenuation index and CT-derived fractional flow reserve over plaque burden in suspected CAD patients without standard modifiable risk factors. *African Health Sciences*. 2024;24(3). 444-452. <https://dx.doi.org/10.4314/ahs.v24i3.49>
49. Kumar PS, Isa L. Strengthening the traditional medicine regulation, education and practice in Nigeria. *African Health Sciences*. 2024;24(3). 453-460. <https://dx.doi.org/10.4314/ahs.v24i3.50>
50. Zhu S, Huang C, Hu X, Xu Y, Cheng L, Pan H. The practice and effect of multi-disciplinary cooperative mobile devices in improving the satisfaction of inpatients on drug education. *African Health Sciences*. 2024;24(3). 461-466. <https://dx.doi.org/10.4314/ahs.v24i3.51>
51. Twinamasiko N, Gwokyalaya A M, Byamugisha J, Namara C M P, Mpaju D, Kintu T M, et al. Dissemination of medical research findings among medical researchers in a tertiary institution in Uganda. *African Health Sciences*. 2024;24(3). 467-475. <https://dx.doi.org/10.4314/ahs.v24i3.52>
52. Waiswa MK, Sekaggya-Wiltshire C, Seremba E, Ddungu H, Mutyabule R, Kawalya DE, et al. The Onerous task of managing paroxysmal nocturnal hemoglobinuria in a Low resource setting: a case report. A hematologist's experience. *African Health Sciences*. 2024;24(3). 476-484. <https://dx.doi.org/10.4314/ahs.v24i3.53>