



Empowering Africa's Healthcare Systems: Understanding Clinical/Biomedical Engineering and Its Impact



Pan-Africa CE-BME Leaders

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With Webinar Facilitation By

[Mladen Poluta](#), President Elect, Global CE Alliance (GCEA); South Africa

[Thomas Judd](#), Liaison Director, Global CE Alliance (GCEA); USA

[Fabiola Martinez](#), Chair, IFMBE Clinical Engineering Division (CED), Mexico

[Emilie Durand](#), Humatem NGO International Projects Leader, France





Contribute Articles for the Pan Africa Special Issue of the Global CE Journal

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Special Issue

Guest Editor: Mladen Poluta


As a dedication and promotion of this webinar event the **Global CE Journal** is opening a **Call for Papers** for the Special Issue focusing on Pan-Africa program! For more information contact us at: info@globalce.org




 **DEADLINE Extended** ♦ January 15, 2025 submission deadline



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 **TOPICS** ♦ As noted from the last 2 years of submitted evidence, the **Webinar** and **Special Issue** topic will be **Medical Equipment Maintenance Across Pan Africa**, how quality & safety can be enabled through Education, Training, Staffing/Capacity Building, Innovation, and Partnerships.

 **Manuscript format** ♦ the submission must follow regular submission guidelines available on the [journal website](#).

Please note:

- **English submissions** only (authors can provide translated versions of manuscripts in other languages & copy editor will refine to English language).
- **The focus is on Africa-centric CE-BME Maintenance**, including *Position Papers* and collaborative projects.
- **Africa-centric work** presented at the latest regional and global conferences, e.g. AMEK Kenya 1st AFRICA REGIONAL BIOMEDICAL ENGINEERING & HEALTH TECHNOLOGY CONFERENCE September 2023; Africa Health 2023; 5th ICEHTMC; HUMATEM Benin "1st RESHAOC Biomedical Days", November 2023; and others.

[Send us your manuscripts!](#)



Global Clinical Engineering Journal

ISSN: 2578-2762



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Note: When submitting your manuscript for a special issue, please identify the special issue's name on top of the title.



Pan Africa CE-BME

Guest Editor:

Mladen Poluta, South Africa

Submission Deadline: 15 January 2025



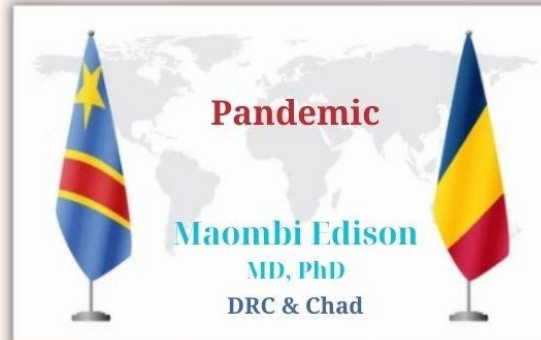
Today's Maintenance Case Studies



Hybrid Maintenance model

Ashenafi Hussein

Ethiopia & all African countries



Case studies for Medical Equipment Maintenance in Africa



Clarisse Delaspre

French Speaking Countries



Maintenance Handbook for low resource settings



Maternal Child Health

Millicent Alooh

Kenya, Tanzania, Nigeria & Malawi

Medical Equipment Maintenance Elements

Several Key Elements of Maintenance

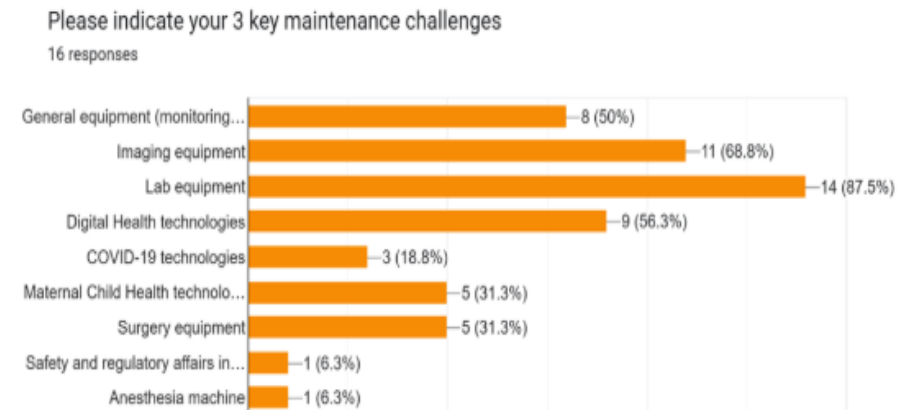
1. regular inspections
2. preventative maintenance
3. corrective repairs
4. proper test equipment and maintenance workshops
5. Supply chain access to spare and repair parts at affordable costs
6. compliance with regulatory standards
7. proper documentation,
8. staff training (both CE-BME practitioners and equipment users), example of WHO training videos for equipment management & repair <https://www.who.int/teams/health-product-policy-and-standards/assistive-and-medical-technology/medical-devices/management-use/trainings>.
9. risk management
10. minimizing downtime,
11. ensuring patient safety
12. addressing equipment features and age to maintain optimal functionality and prevent potential hazards to patients and healthcare workers
13. Selection on the front end to ensure purchased equipment potential sustainability
14. Supply chain to ensure equipment consumables as necessary to support equipment ongoing use as desired
15. Dealing with Donated medical equipment to ensure sustainable maintenance and use

ISO 55001:2024:

Focus on lifecycle management:

This standard emphasizes managing assets throughout their entire lifecycle, from acquisition to disposal, which includes planned maintenance activities to optimize performance and prevent failures.

Challenges noted by late October 2024 Maintenance Survey takers so far (~40 registrants as of last Fri Nov 15;







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A list of additional topics and dates for next webinars will be soon announced through email campaign and on our website www.GlobalCEA.org

THANK YOU
for your participation