

Dr. Joel Johansen Bwemelo's

Curriculum Vitae

Senior Radiologist & Head of Research, Training, and Consultancy

Muhimbili Orthopaedic Institute (MOI), Dar es Salaam, Tanzania

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Profile

As a dedicated senior Radiologist with over 15 years of experience specializing in diagnostic imaging, I have performed more than 30,000 investigations for patients, including MRIs, CT scans, ultrasounds, and specialized X-rays. I also work as Head of Research, Training, and Consultancy at MOI, leading multidisciplinary research initiatives, coordinating strategic capacity-building projects, and facilitating academic growth within the institute. I am passionate about advancing clinical practice through evidence-based research and collaborative problem-solving in healthcare delivery. I also serve as an Honorary Lecturer at MUHAS, contributing to academic development by mentoring students and young professionals in the field of Radiology.

Expertise

- **Radiology Expert:** In diagnostic imaging, I focus on OT, NS, and trauma applications.
 - **Research Leadership:** Oversee and coordinate research projects within the Institution
 - **Academic Mentorship:** Honorary lecturer with a commitment to training future healthcare professionals
 - **Interdisciplinary Collaboration:** Proven ability to facilitate collaborative projects and outreach programs
 - **Health System Strengthening:** Integration of health services into the mainstream health system
 - **Sustainability Enthusiast:** Managing SERA2030 and Culturally Resilient Projects
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Professional Experience

Radiologist & Head of Research, Training, and Consultancy

Muhimbili Orthopaedic Institute (MOI)

- Lead advanced imaging services and manage research-focused initiatives across MOI.
 - Provide mentorship to healthcare professionals and conduct outreach to build radiology capacity in hospitals across Tanzania.
 - **Honorary Lecturer** - Muhimbili University of Health and Allied Sciences (MUHAS)
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Education

Master of Medicine (MMed)

MUHAS | 2007 - 2010

Doctor of Medicine (MD)

MUCHS | 1998 - 2003

Certifications & Training

1. Doctor of Medicine (MD)- MUCHS, 2003
 2. HIV/AIDS Care and Treatment – NACP, 2004
 3. Research Methodology in Clinical Research – MUHAS, 2006
 4. Master of Medicine (Mmed) -MUHAS, 2010
 5. Health Systems Strengthening - Johns Hopkins International Injury Research Unit (JH-IIRU), 2024
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Research

ORCID iD: <https://orcid.org/0000-0001-6154-734X>

Extracurricular Activities:

As part of my extracurricular activities, I am actively engaged in community development and social entrepreneurship through APAO Village, where I contribute to sustainability, environmental restoration, culture, tourism, and youth empowerment. <https://www.apaovillages.com>

Publications

Matuja, S. S., Nyundo, A., Assey, E., Bwelemo, J., Dekker, M., Urasa, S., Makarius, E., Kishimbo, P., Baltazar, Y., Alphonse, B., Ngimbwa, J., Adebayo, P., Siha, S., Chagula, A., Libena, M., Lutufyo, T., Mnacho, M. A., Chiwanga, F. S., Okeng'o, K., Mushengezi, B., ... Matuja, W. (2026). *Early insights from a multi-centre national stroke surveillance initiative in Tanzania.* Journal of Stroke and Cerebrovascular Diseases. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2026.108571>

Sabas, R. R., Woodfield, J., Ikwuegbuanyi, C. A., Cadieux, M., Shayo, C., Shabhay, Z., Rabel, H., Cheserem, B., Bwemelo, J., Wright, D. N., Fivawo, C. S., Maghembe, S. M., Lawrence, K., Koipapi, S., Mchome, L. L., Mangat, H. S., Hartl, R., & Shabani, H. K. (2025). Can Tanzanian neurosurgeons access Tanzanian neurosurgical literature? A systematic review and survey of neurosurgical publications. Neurosurgery. Advance online publication. <https://doi.org/10.1227/neu.0000000000003570>

Shedura, V. J., Ngomo, G. J., Lupondo, V., Bwemelo, J., Mnkungwe, R. H., & Kunambi, P. (2025). Radiological Acetabular Cup Position and its Impact on Hip Dislocation: A Study of Primary Total Hip Arthroplasty at Muhimbili Orthopedic Institute, Dar es Salaam, Tanzania [Preprint]. Research Square. <https://doi.org/10.21203/rs.3.rs-5580278/v1>

Sabharwal, S., Leung, A., Rodarte, P., Singh, G., Bwemelo, J. J., Taylor, A. S., Tan, J., & Trott, R. (2024). Peer-reviewed publications in orthopaedic surgery from lower-income countries: A comparative analysis. SICOT-J, 10, 6. <https://doi.org/10.1051/sicotj/2023039>

Bwemelo, J. J., Jacob, M., & Kazema, R. (2020). Renal echogenicity as a predictor of renal dysfunction in patients with chronic kidney disease at Muhimbili National Hospital. East African Journal of Public Health, 14(1). <https://doi.org/10.4314/eajph.v14i1.7>

Reference:

1. Muhimbili Orthopedic Institute (MOI) ED, Dar es Salaam, Tanzania +255784693324
2. Dr. Frank Manase, CEO, CCPmedicine, Dar es Salaam, Tanzania +255754383896