

CURRICULUM VITAE
DR. DOMNIC MARERA

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PROFESSIONAL PROFILE

My goal is to transfer skills to ensure that the future doctors and scientists have the best hand on experience in anatomy as a biomedical science. My main career objective is to ensure that medical students appreciate Clinical anatomy as the first language of medicine and to build the students confidence in dissection as the main root to surgical skills.

My main areas of expertise are; - lecturing and demonstrating both regional, histological and embryological anatomy, Medial curriculum development and review and laboratory dissection.

Research interest: Forensic and Radiological Anatomy: Africa is currently experiencing an increase in crime rates, (including xenophobic violence) which requires accurate biological profiling. This may be achieved through skeletal morphometric and morphological studies. Such research may add value in enforcing new solutions to forensic medicine, and document new literature in Africa that has for long been reliant on research based on Northern Hemispheric values. Hence, these studies will investigate cranial and post-cranial osteology.

CAREER OBJECTIVE

To ensure that medical students appreciate Biomedical Sciences as the first language of medicine and to build the students confidence in clinical and surgical skills.

AREAS OF EXPERTISE

- High proficiency in teaching Clinical Anatomy, Anatomical Pathology and demonstration of both regional and systemic physiology
- Histology and Histochemistry
- Developmental Anatomy (Embryology)
- Applied Clinical Anatomy
- Forensic Sciences
- Community Health and rural Health diagnosis
- Microscopic techniques

EDUCATION AND QUALIFICATIONS

INSTITUTION	LEVEL	COURSE	GRADE
University of Kwa-Zulu Natal (South Africa)	PhD	PhD In Health Sciences: Clinical Anatomy Project: Development and ossification of the clavicle; A comparative study in South African and Kenyan population	N/A
Kampala International University (Uganda)	Masters	Masters of science, Clinical Anatomy Project: Variation in the bifurcation and distribution of brachial artery	2nd Class Upper
Kampala International University (Uganda)	Bachelors	Bachelor of science, Human Anatomy Project: The value of X- ray pelvimetry in predicting the outcome of labor	2nd Class Upper
Kampala International University (Uganda)	Diploma	Clinical Medicine and Community Health	N/A

SHORT COURSES

Advanced certificate in nutrition and dietetics- Kabale Teaching Hospital (Uganda)

Clinical Bioethics Research, KAVI-University of Nairobi (Kenya)

Integrated Management of Childhood Illness-Fort Portal Regional Hospital (Uganda)

Critical thinking in research-Maseno University (Kenya)

PACE - Innovative teaching methodologies and clinical mentorship (Kenya)

POSTGRADUATE SUPERVISION

N	STUDENT	INSTITUTION	PROGRESS
1	Hezron Onyango	Mount Kenya University, Masters Laboratory technology. The histological effects of ketoconazole on memory: Hippocampus	Completed-2017
2	Charles Masese	Mount Kenya University, Masters Clinical medicine- Forensic science Assessment of the need of involvement of forensic medical experts in primary crime scene investigation in Starehe Police Division	Completed -2017
3	Carolyne Mwawasi	Jomo Kenyatta University- Masters Human anatomy Variations in bifurcation in brachial artery among the Kenyan population.	Completed -2017

4	Nathan Kiboi	Masinde Muliro University-PhD Molecular characterization, phytochemical profiling, in vitro antiproliferative and anti-oxidant activities of fungal extracts from lake Magadi, kenya	In progress
5	Ellias Ngure	Masinde Muliro University, Masters Laboratory technology. Evaluation of cytological and clinical chemistry profiles of patients presenting with thyroid nodules at Kakamega County General Hospital	In progress

SERVICE TO THE COMMUNITY

- ✓ Youth empowerment program (Uganda)
- ✓ Project coordinator, Talent industry (Kenya)

REFEREED JOURNAL PUBLICATIONS

1. **Dominic Marera** and Nyaribo Cyprian, (2015). Forensic age estimation based on the skeletal growth assessment: A comprehensive review, International Journal of Current Research, 7, (5), 16107-16111.
2. **Marera, D.O**, and Oyieko, W. (2015). Assessment of the value of X-ray pelvimetry in predicting the outcome of labor in rural Uganda. International Journal of Current Research. Vol 7, Issue, 05, pp. 15781-15785.
3. **D Marera**, W. Oyieko., G Agumba. (2015). Variation in dermatoglyphic patterns among diabetics in western Uganda population. African Journal of Science and Research, 4 (1), 21 - 25.
4. **D Marera**. (2015). Ethical Consideration When using X-ray Examination for None Medical Purposes. International Journal of Science and Research, Vol 4 (5), 1528-1531.
5. **Marera, D.**, Singoei, M., and Nyaribo, C. Assessment of Knowledge and Attitude of Male Circumcision towards Reduction of HIV/AIDS among Residents of Ishaka Town Council- Uganda. International Journal of Science and Research. Vol 4 (5), 1488-1492
6. **Dominic Marera** and Willis Oyieko. (2015). Age estimation using chronological changes in the epiphyseal ends of the clavicle. International Journal of Current Research. Vol 7, Issue, 05, pp. 15773-15777.
7. **Dominic Marera** and Dominick Abungu (2016). Prevalence of and factors contributing to complicated malaria in children under 5 years. North Asian International Research Journal of Pharmaceutical and Medical Sciences Vol 1 (1) pp 43-55.

8. **Marera, D.O.**, Oyieko, W. (2017). Sex and Racial Variations in Age Estimation Based on the Ossification Process of Medial Clavicular Epiphysis. *Mara Research Journal of Medicine & Health Sciences*. Vol. 1, No. 1, pp. 18 - 29.
9. **Marera, D.O.**, Kimeto, P. and Makanga., J.O. (2017). Age Estimation using Chronological Changes in the Epiphyseal Ends of the Clavicle. *Mara Research Journal of Medicine & Health Sciences*. Vol. 1, No. 1, pp. 10 - 17.
10. Oyieko, W. and **Marera, D.O.** (2018). A Unique Case of Ectopic Kidney with Variant Vasculature: A Congenital Anomaly Masquerading as Pyelonephritis. *Mara res. j. med. health sci.* Vol. 2, No. 1, pp. 1 – 4, ISSN 2523-5680
11. Nyaribo CM, Nyabayo JM, Kerubo EB, **Marera DO**, Nyanchoka AO, Miruka CO (2016) Assessment of the influence of ketoconazole on memory retrieval among adult Wister rats. *African Journal of Science and Research*, 2016, (5)1:33-37
12. S. Abba, Okumu Gabriel, **Marera Dominic**, Massilili Godfery, S.S. Dare, Y.G. Mohammed and A.O. Okpanachi. (2012). Assessment of the Relationship between Digit Lengths and Circumferences of the Waist and Hip amongst Ugandans. *Asian Journal of Medical Sciences*; 4 (3): 113-116.
13. Obonyo E.O., Mutai C., Kikui G., **Marera D.** (2014) Assessment of Pharmaceutical Waste Management Practices in Embakasi Division, Kenya: A case study in community Pharmacies. *Journal of Health Sciences*. Vol 7 (1): 79-90
14. **Marera, D.** (2018). The influence of bilateral asymmetry in age estimation process. A study of the chronological changes of the clavicular epiphysis in the African population. *Realm International Medical Journal*, Vol. 1, No. 1, pp. 1 – 10.
15. MARERA, D. O. & SATYAPAL, K. S. Fusion of the medial clavicular epiphysis in the South African and Kenyan populations. *Int. J. Morphol.*, 36(3):1101-1107, 2018.

MANUSCRIPTS IN PRESS

D. Marera, L. Lazarus, K Satyapal Age estimation of the living based on the skeletal assessment: A comprehensive review: Anatomy Research International-Manuscript number 9799/14

Book and Manuals

- ✓ Dissection manuals of Anatomy
- ✓ Indexing guidelines for COC
- ✓ Advisory and ethics policies for COC
- ✓ Internship guidelines for COC

REFEREED CONFERENCES

1. **Dominic Marera, Lelika Lazarus and Kapil S Satyapal. Variations in the course and distribution of the brachial artery. Annual Research Symposium.** University of KwaZulu-Natal School of Health Sciences, South Africa. 10– 11 September 2015.
2. **Dominic Marera and Kapil S Satyapal, Variables affecting age estimation based on the ossification process of the medial clavicular epiphysis.** Annual Research Symposium. University of KwaZulu-Natal School of Health Sciences, South Africa. 10– 11 September 2015
3. **Dominic Marera. The prevalence of and factors contributing to complicated malaria in children under 5 years at Kampala International University Teaching Hospital.** 5th Annual International conference, Kabarak University, Kenya 14-17 July 2015.
4. **Dominic Marera and Kapil S Satyapal. Age estimation using radiographic staging of the medial clavicular epiphysis.** 5th Annual International conference, Kabarak University, Kenya. 14-17 July 2015.
5. **Dominic Marera. Assessment of stigmatization patterns among clients attending HIV/AIDs clinic in Kitagata Hospital.** 5th Annual International conference, Kabarak University, Kenya. 14-17 July 2015.
6. **Dominic Marera, Lelika Lazarus and Kapil S Satyapal. Variations in the course and distribution of the brachial artery.** 43rd Conference of the Anatomical Society of Southern Africa. Sefako Makgatho Health Sciences University, South Africa. 9– 13 May 2015
7. **Dominic Marera and Kapil S Satyapal. Variables affecting age estimation based on the ossification process of the medial clavicular epiphysis. 43rd Conference of the Anatomical Society of Southern Africa.** Sefako Makgatho Health Sciences University, South Africa. 9– 13 May 2015
8. **Dominic Marera. Tropical ulcers, a disease of the poor.** Annual scientific conference of Uganda. Kampala International University, Kampala. 7-19 August 2011
9. **Dominic Marera, Nyaribo Cyprian. Prevention of peptic ulcers. Anatomical overview.** Inter-University Scientific conference. Mbarara Univeristy, Mbarara Uganda. 24-26 March 2009.
10. **Dominic Marera, Nyaribo Cyprian. Difference between direct and indirect inguinal hernia** Annual Conference of Clinical officers, Kampala International University, Bushenyi, Uganda. 20-23 October 2009.