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DR. IAN MATHENGE MURIITHI

PERSONAL INFORMATION

Nationality: Kenyan
Date of Birth: 23rd July, 1974

CAREER OBJECTIVES

Contribute as a career academic through:

- Quality, interactive and research-led teaching geared towards equipping students to excel academically and to competitively access the job market.
- Participation in development of thematic units within radiology to facilitate fellowship training in Kenya.
- Involvement in initiatives developing medical education in Kenya.

EDUCATION

October 2001 – September 2005

University of Nairobi, Kenya

Masters in Medicine in Diagnostic Radiology (MMed Diagnostic Radiology).

Dissertation topic – The Role of CT Scan In Imaging Neck Structures and Lesions:
Radiohistopathologic Correlation.

September 1994 – November 2000

University of Nairobi, Kenya

Bachelor of Medicine and Surgery (MChB).

January 1989 – December 1992

Alliance High School, Kenya

Kenya Certificate of Secondary Education (KCSE).

WORK EXPERIENCE

CURRENT APPOINTMENT:

Lecturer (2011 to present)

Department of Diagnostic Imaging and Radiation Medicine (DIRM),
University of Nairobi, Kenya.

Honorary Consultant Radiologist (2005 to present)

Kenyatta National Hospital,
Nairobi, Kenya.

PREVIOUS APPOINTMENTS:

Consultant Radiologist (2010 to 2021)

Muthithi Medical Centre,
Aga Khan University Hospital,
Nairobi, Kenya.

Tutorial Fellow (2003-2011)

Department of Diagnostic Imaging and Radiation Medicine,
University of Nairobi, Kenya.

Consultant Radiologist (2005 to 2010)

Diagnostic Centre Kenya Ltd. (DCKL),
Nairobi, Kenya.

Locum Doctor - Medical Officer (2001-2003)

Canaan Medical Centre, Nairobi.
Melchizedek Hospital, Nairobi.
Comprehensive Medical Services, Nairobi.

Medical Officer - Internship (2000-2001)

Kenyatta National Hospital,
Nairobi, Kenya.

MANAGEMENT AND CLINICAL EXPERIENCE

Throughout the period of my lecturer/tutorial fellow/consultant posts I have managed trainees in Radiology at postgraduate, undergraduate and higher national diploma levels. I have taught the radiology higher diploma, undergraduate and postgraduate classes and I am currently supervising three postgraduate residents. My clinical interest is in musculoskeletal imaging and hope to pursue further training in this area in the near future.

I am currently the radiology programme and examinations coordinator for the Oral Maxillofacial Surgery residents group in the university department (DIRM).

I have been in acting capacity as DIRM Income Generating Unit (IGU) manager when the substantive manager was on leave for periods of up to one month at various times and DIRM acting chairman between 7th to 17th August, 2018.

I am also currently the departmental Web Champion.

DISSERTATION SUPERVISION AND EXAMINATION

Masters in Medicine in Diagnostic Radiology (MMed Diagnostic Radiology) - Completed

1. 2011 Dr. Gachuri T. Thiga

Topic of Study:- Chest radiograph patterns in neonates with respiratory distress at Kenyatta National Hospital.

2. 2012 **Dr. Richard Sungura**
Topic of Study:- CT angiographic pattern of renal artery anatomy among Africans in Kenya and clinical implication in renal transplantation.
3. 2012 **Dr. Kebuka C. Wairima**
Topic of Study:- Correlation of breast malignancies on MRI and histopathology.
4. 2013 **Dr. Musyoki K. Muthami**
Topic of Study:- Diagnostic accuracy of MRI in rotator cuff pathology.
5. 2013 **Dr. Swaleh M. Mohammed**
Topic of Study:- Sonohysterography findings in abnormal uterine bleeding in Kenyatta National Hospital.
6. 2013 **Dr. Wainaina A. Nduta**
Topic of Study:- Pattern of findings on MDCTPA for suspected pulmonary embolism in Nairobi.
7. 2014 **Dr. Koima M. J.**
Topic of Study:- Spectrum of findings in HRCT of temporal bone.
8. 2016 **Dr. Mang'oka D. M.**
Topic of Study:- The spectrum of radiographic and sonographic findings in patients with shoulder pain at the Department of Diagnostic Imaging and Radiation Medicine, University of Nairobi.
9. 2017 **Dr. Muhammad O. Bashaeb**
Topic of Study:- Pattern of ultrasonographic findings of disorders of the ankle joint complex in patients presenting with ankle pain at the Department of Diagnostic Imaging, University of Nairobi.
10. 2018 **Dr. Caroline K. Kinoti**
Topic of Study:- Skeletal age assessment in black African children in Kenya: Applicability of the Gruelich and Pyle Method.
11. 2020 **Dr. Muthla A Mohamed**
Topic of Study:- The Pattern of ultrasonographic findings of disorders of the wrist joint in patients presenting with wrist pain at Kenyatta National Hospital
12. 2020 **Dr. Ndiema Faith Tengan**
Topic of Study:- Chest CT findings in HIV - A descriptive cross-sectional study on the abnormal patterns encountered on chest ct scan images of adult HIV patients at Kenyatta National Hospital.

13. 2020 Dr. Ochieng' Elizabeth Odondi

Topic of Study:- Patterns of computed tomography findings in patients with blunt abdominal trauma at Kenyatta National Hospital.

14. 2021 Dr. Sijabule Ndlovu

Topic of Study:- The added value of sonoelastography in evaluating breast masses detected in mammography.

15. 2021 Dr. Vipul Nagesia

Topic of Study:- Evaluating inferior vena cava diameter to assess fluid responsiveness in ICU patients at the Kenyatta National Hospital.

Masters in Medicine in Diagnostic Radiology (MMed Diagnostic Radiology) - Ongoing

2022 Dr. Maxwell Chiera Gachie

Topic of Study:- Prevalence of burnout among Kenyan radiologists and radiology trainees.

RESEARCH ACTIVITIES

PUBLICATIONS

1. Gachuri TT, Mwangi GN, **Muriithi IM**, Mulama BM. Prevalence Of Chest Radiograph Findings In Neonates With Respiratory Distress At Kenyatta National Hospital. EAMJ. 2020;97(11):3245-3251. Abstract available at <https://www.ajol.info/index.php/eamj/article/view/205293>
2. Callen. K Onyambu, Mohamed M Swaleh, Angeline A Aywak, **Ian. M Muriithi**. Sonohysterography findings in patients with abnormal uterine bleeding at Kenyatta National Hospital. Ultrasound in Medicine and Biology. 2019 Supplement1, 45(1) S112. Available at <https://www.sciencedirect.com/science/article/pii/S0301562919310592> OR <https://doi.org/10.1016/j.ultrasmedbio.2019.07.369>
3. Callen K Onyambu, Desmond M Mangoka, **Ian M Muriithi**. The spectrum of sonographic findings with radiographic correlation in patients with shoulder pain at Kenyatta National Hospital. Ultrasound in Medicine and Biology. 2019 Supplement1, 45(1) S38. Available at <https://www.sciencedirect.com/science/article/pii/S0301562919312426> OR <https://doi.org/10.1016/j.ultrasmedbio.2019.07.533>
4. Muhammad Omar Bashaeb, Timothy Musila Mutala, **Ian Mathenge Muriithi**. Pattern of ultrasonographic findings of disorders of the ankle joint complex in patients presenting with ankle pain at the department of diagnostic imaging, university of Nairobi. The Pan African Medical Journal. 2018;31:116. doi:10.11604/pamj.2018.31.116.14049. Available at <http://www.panafrican-med-journal.com/content/article/31/116/full/>

5. Swaleh Mohamed M, Anyona AA, Onyambu CK, **Muriithi IM**, Mutala TM. Utility of Sonohysterography in Evaluation of Patients with Abnormal Uterine Bleeding. *Obstet Gynecol Rep*, 2018. 2(2): 1-7 doi: 10.15761/OGR.1000127. Available at <https://www.oatext.com/utility-of-sonohysterography-in-evaluation-of-patients-with-abnormal-uterine-bleeding.php>
6. Richard Sungura, Callen Onyambu and **Ian Mathenge**. 2018. The CT Angiographic Prevalence of Renal Accessory Arteries in Kenya. *Int.J.Curr.Microbiol.App.Sci.* 7(01): 2745-2754. Available at <https://www.ijcmas.com/7-1-2018/Richard%20Sungura,%20et%20al.pdf>
7. Kamanda MI, **Mathenge MI**. Simultaneous occurrence of five prothrombotic induced vaso-occlusive phenomena and focal nodular hyperplasia due to prolonged use of combined oral contraceptive pills. *BJR Case Rep* 2017; 3: 20170070. Abstract available at <http://www.birpublications.org/doi/abs/10.1259/bjrcr.20170070>
8. Sungura R, **Mathenge I**, Onyambu C (2017) The Radiological Scrutiny of the Relation between Renal Vascular Dimensions and Anatomical Variation of Renal Arteries: The Must to Know before Renal Transplantation. *J Kidney* 3: 158. Doi: 10.4172/2472-1220.1000158. Abstract available at <https://www.omicsonline.org/peer-reviewed/the-radiological-scrutiny-of-the-relation-between-renal-vascular-dimensions-and-anatomical-variation-of-renal-arteries-the-must-t-96941.html>
9. Mangoka D, **Muriithi IM**, Onyambu CK. The Spectrum of Radiographic and Sonographic Findings in Patients with Shoulder Pain at the Department of Diagnostic Imaging and Radiation Medicine, University of Nairobi. *EAOJ*. 2017;11(1):12-21. Abstract available at <https://www.ajol.info/index.php/eaaj/article/view/157629>
10. Muthami KM, Onyambu CK, Odhiambo AO, **Muriithi IM**, Byakika TK. Correlation of magnetic resonance imaging findings with arthroscopy in the evaluation of rotator cuff pathology. *EAOJ*. 2014;8(2):52-59. Abstract available at <https://www.ajol.info/index.php/eaaj/article/view/113239>
11. Nour HA, Oyoo GO, Joshi MD, Otsyeno FMT, **Muriithi IM**. Patterns of knee, hip and hand osteoarthritis in Kenyatta National Hospital. *EAOJ*. 2014;8(2):60-63. Abstract available at <https://www.ajol.info/index.php/eaaj/article/view/113242>
12. Ekwom PE, Oyoo G, Amayo E and **Muriithi IM**. Prevalence and Characteristics of Articular Manifestations in Human Immunodeficiency Virus infection. *EAMJ*. 2010;87:408-414. Abstract available at <https://www.ajol.info/index.php/eamj/article/view/76234>
13. Onyambu CK, **Muriithi IM**, Ngare SM. Cerebral Venous Sinus Thrombosis: A Report of Two Cases. *EAMJ*. 2010;87:220-224. Abstract available at <http://ajol.info/index.php/eamj/article/view/63077>.
14. Mwangi GN, **Muriithi IM**. Wandering Spleen: Case Report. *EAMJ*. 2010;87:84-86. Abstract available at <http://ajol.info/index.php/eamj/article/view/60605>.
15. Kiboi JG, **Muriithi IM**. Vertex Epidural Hematoma Manifesting with Bilateral Upper Limb Decerebrate Posture: Case Report. *EAMJ*. 2009;86:300-304. Abstract available at <http://ajol.info/index.php/eamj/article/view/54143>.

COURSES/CONFERENCES ATTENDED

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|------------------------------------|---|
| 1st – 5th March, 2020. Nairobi. | International Skeletal Society Outreach Course, University of Nairobi. |
| 27th – 29th May, 2019. Nairobi. | Pedagogy, Androgogy And Mentorship Training, University of Nairobi. |
| 1st – 3rd June, 2017. | Kenya Association of Radiologists Annual Scientific Conference, Sarova Whitesands Beach Resort and Spa, Mombasa. |
| 30th May – 2nd June, 2015. | Kenya Association of Radiologists / The African Society of Radiology Congress 2015, Sarova Whitesands Beach Resort and Spa, Mombasa. |
| Aug 29th - Sept 1st, 2011 | Medical Education Innovative Teaching Methodologies Workshop – conducted by Partnership for Advanced Clinical Education (PACE), a program of the University of Maryland and University of Nairobi(UON), at KAVI, UON. |
| November 2010 | African League of Associations for Rheumatology (AFLAR) Regional Rheumatology Symposium and Workshops Eastern African Region - at Panafric Hotel, Nairobi, Kenya. |
| 9th-11th Oct 2010 | Kenya Association of Radiologists Annual Scientific Conference, Sarova Whitesands Beach Resort and Spa, Mombasa.. |
| May 2009 | Inaugural Kenya Society for Ultrasound in Medicine and Biology (KESUMB) Conference at Aga KhanUniversity Hospital (AKUH), Nairobi and College of Health Sciences, University of Nairobi (UON). |
| 10th – 11th Oct, 2008 | Kenya Association of Radiologists Annual Scientific Conference, Outspan, Nyeri.. |
| 2007 | Kenya Association of Radiologists Annual Scientific Conference. |
| December 2006 | International Ultrasound Conference at AKUH, Nairobi. |
| 8th – 10th Oct, 2006 | Kenya Association of Radiologists, Annual Scientific Conference, Amboseli.. |
| January 2005 | The 7th Sheffield International Conference on Diagnostic Imaging at AKUH, Nairobi. |
| 21st – 22nd Aug 2004 | Kenya Association of Radiologists Annual Scientific Conference Nairobi. |
| 2002, 2003 | Kenya Association of Radiologists Annual Scientific Conferences. |

PROFESSIONAL AFFILIATIONS

Kenya Association of Radiologists (KAR) - Member
Kenya Society for Ultrasound in Medicine and Biology (KESUMB) – Member
Kenya Medical Association (KMA) - Member

REFEREES

Dr. Angeline A. Aywak,

Senior Lecturer, Department of Diagnostic Imaging and Radiation Medicine,
University of Nairobi,
P.O. Box 19676-00202,
NAIROBI.

Dr. N.M. Kimani,

Senior Lecturer, Department of Diagnostic Imaging and Radiation Medicine,
University of Nairobi,
P.O. Box 19676-00202,
NAIROBI.

Dr. Rose Nyabanda,

Consultant Radiologist,
Kenyatta National Hospital,
P.O. Box 29869-00202,
NAIROBI.