

CURRICULUM VITAE

Personal Information:

Name: Dr. Angeline A. Aywak
MBChB,(UoN), M.Med (Diagnostic Radiology-UoN), Fellowship in
Ultrasound (Thomas Jefferson University-USA)

Date of Birth: 25th February 1958

Gender: Female

Nationality: Kenyan

Marital Status: Married

CONTACT DETAILS

Address: Department of Diagnostic Imaging and Radiation Medicine
College of Health Sciences,
University of Nairobi.
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Educational and Qualification

<i>Qualification</i>	<i>Institution</i>	<i>Year</i>
Fellowship in Diagnostic Ultrasound.	Thomas Jefferson University Hospital and Jefferson Medical College Philadelphia, Pennsylvania, USA.	June 2001-Sept 2001
M.med Diagnostic Radiology	University of Nairobi	1989-1992
Bachelor of Medicine and Surgery	University of Nairobi	1978-1984
A-Level E.A.A.C.E. (East Africa Advanced Certificate of Education.)	Alliance Girls High School	1976-1977
O- Level E.A.C.E. (East Africa Certificate of Education)	Thomson's Falls High School	1972-1975
Certificate in Primary - Education(CPE)	Shamanei Primary School	1970 - 1971
	Ebukhaya P.School	1965 - 1969

Professional qualifications

Master of medicine in Diagnostic Radiology University of Nairobi **1992**
 Bachelor of Medicine and Bachelor of Surgery University of Nairobi **1984**
 Fellowship in Diagnostic Ultrasound Thomas Jefferson University PA USA **2001**

TEACHING/WORK EXPERIENCE

Aug 2017 to date External Examiner Muhimbili University of Health and Allied Sciences, Dar es salaam

September 2016 to date External Examiner – Moi University for undergraduate medical students and postgraduate radiology and imaging.

Jan 2015-to date Senior Lecturer, Department of Diagnostic Imaging and Radiation Medicine

Feb 1997 – Dec 2014 Lecturer, Department of Diagnostic Imaging and Radiation Medicine.

1992-1997 Honorary Lecturer, Department of Radiology, UON

1989-1992 Senior House Officer (Resident) – University of Nairobi, Department of Radiology.

Oct 1985-1989 Medical Officer of Health - Kenyatta National Hospital

Oct 1984-Oct 1985 Intern Kenyatta National Hospital

Supervision of Postgraduate Students

1. Dr. F. Gatune 1999 Pattern of Computerised Tomography Central Nervous System Manifestations of HIV infection At the Kenyatta National Hospital. (**Dr. Aywak**)
2. Dr. B. Gichana 2002 Pattern of findings in Venous Doppler ultrasound of the Lower Limb in patients with suspected deep Venous Thrombosis. (**Dr. Aywak**)
3. Dr. Joash Auka 2003 Patient Care in Diagnostic Imaging Department Of Kenyatta National Hospital. (**Dr. Aywak**)
4. Dr. Jan Masesa 2003 Evaluation of Deep Venous Thrombosis Venography Versus Colour Doppler Imaging (**Dr. Aywak**)
5. Dr. Sophie Nguku 2003 Biophysical Profile Score and Umbilical artery Resistance Index in PET (Toxemia of Pregnancy) Patients. (**Dr. Aywak, Dr. Wanyoike Gichuhi**)
6. Dr. C. Mutunga 2004 The value of Ultrasonography as an adjunct to Mammography in evaluating Breast masses. (**Dr. Aywak**)
7. Dr. Kimutai E. 2005 Pattern of Scrotal as seen on Ultrasonography At the Kenyatta National Hospital. (**Dr. Aywak**)
8. Dr. C. Chepsiro 2006 Pattern of radiological findings on four vessel Cerebral Angiography studies done at Kenyatta National and the Nairobi Hospital (**Dr. Aywak, Dr. Wanga**)
9. Dr. Stella Ngugi 2006 Pattern of findings by stress myocardial SPECT Scan in suspected or confirmed Coronary artery Disease. (**Dr. Aywak, Dr. Khalid Makdhomi**)
10. DR. M. Mtango 2008 Correlation of Transrectal Ultrasound Findings with Histology in the Detection of Prostatic Lesions. (**Dr. Aywak, Dr. S. Vinayak**)

11. Dr. C. Chabeda 2007 The Pattern of Renal Disease as seen at Radionucleid Imaging with Sonographic Correlation. (Dr. Aywak, Dr. Khalid Makdhomi)
12. Dr. Ngoseywe 2008 Ultrasonographic findings in obstructive jaundice: The ability of ultrasound to accurately determine the site and cause of obstruction. (Dr. Aywak).
13. Dr. L.M. Mbuvi 2009 Review of clinical presentation and radiological Diagnosis in patients undergoing brain CT in KNH. (Dr. Aywak)
14. Dr. N. Githuku 2009 The ultrasonographic pattern of findings seen in Hepatobiliary system in patients with jaundice (Dr. Aywak)
15. Dr. K. Kowiti 2009 The pattern of radiological findings in the lungs and pleura on CT chest (Dr. Aywak)
16. Dr. J. Kahura 2009 Risk characteristics and Incidence of contrast nephrotoxicity in patients exposed to intravascular contrast at Kenyatta National Hospital (S.O. McLigeiyo, J.K. Kayima and M.D. Joshi, A.A. Aywak)
17. Dr. Andambi David 2011 The role of contrast enema in the diagnosis and evaluation of large bowel pathologies in children. (A.A. Aywak)
18. Dr. Unni A. Miyengi 2011 Diagnostic accuracy of MRI in intracranial gliomas. (Dr. Aywak, Dr. Okemwa)
19. Dr. Margaret Mukuhi 2012 Pattern of chest radiographic findings in pulmonology of under 5 years in KNH. (Dr. Aywak, Dr. Mulama)
20. Dr. Swaleh Mohamed 2013 Sonohysterography findings in abnormal uterine bleeding in K.N.H. (Dr. Aywak, Dr. Mathenge)
21. Dr. Shiruli 2013 Cardiovascular risk factors and carotid atherosclerosis in patients with systematic lupus erythromatosis (Dr. Aywak, Dr. Oloo Oyoo)
22. Dr. Mwazo M.K. 2007 Prevalence of extracranial carotid artery stenosis and its risk factors in patients with ischaemic stroke as seen at KNH. (Dr. Amayo E.O., Dr. Otieno C.F., Dr. Aywak, A.A.)
23. Dr. I. Githinji 2014 Sonographic findings in patients with first trimester bleeding
24. Dr. Z. Akanga 2014 Imaging findings post operative cranium as seen at KNH

25. Dr. M.K Wachira 2015 Utility of PSA density and free to total PSA ratio in the detection of prostate cancer at Kenyatta National Hospital.
26. Dr. P.W. Ndaiga 2015 Evaluation of diagnostic accuracy of ultrasound elastography in differentiating benign and malignant solid breast masses (Dr. T.M. Mutala and **Dr. A.A. Aywak**)
27. Dr. N.L. Waititi 2015 Magnetic Resonance Imaging and Radiographic findings in chronic low back pain. A clinicoradiological correlation study(G.N. Mwangi and **A.A. Aywak**)
28. Dr. M.A. Achan 2016 Hysterosalpingography findings in the infertile patients at Kenyatta National Hospital (J.M. Kitonyi and **A.A. Aywak**)
29. Dr. M.M. Gathogo 2016 The pattern of pathology in B scan ocular ultrasound at Kenyatta National Hospital (**A.A. Aywak** and K. Kimani)
30. Dr. Mustafa Bhajji 2017 Choroidal thickness in the adult Kenyan population, Dr. (Odhiambo, Dr. A. Aywak, Dr. A. Jafferji, Dr. A. M'bongo)
31. Dr. Osiemo S. K. 2017 Knowledge and practices among radiologists, radiology residents and radiographers in management of cardiopulmonary arrest and anaphylactic reactions in radiology department (Dr. A. Aywak, Dr. C.K. Onyambu)
32. Dr. Harunany, 2017 – subclinical carotid atherosclerosis in HIV infected patients at Mbagathi District Hospital
33. Dr. E. Odera, 2018 – The outcome of coaxial percutaneous ultrasound guided biopsy at Kenyatta National Hospital: Diagnostic role and complications

CURRENT POSTGRADUATE STUDENTS UNDER SUPERVISION

Dr. Alice Adhiambo Onyango - spectrum of abdominal masses in children.

Dr. Muhammad Ahmad - early incidence of deep vein thrombosis in traumatic spinal cord injury patients at Kenyatta National Hospital.

Dr. Adamji S. measurement of limb occlusion pressure under survey of current knowledge and practice of perioperative tourniquet use at KNH.

ACADEMIC PUBLICATIONS IN PEER REVIEW JOURNALS

The following papers have been published.

1. Swaleh Mohamed M, Anyona AA, Onyambu CK, Muriithi IM, Mutala TM (2018) Utility of sonohysterography in evaluation of patients with abnormal uterine bleeding. *Obstet Gynecol Rep.* 2: DOI: 10.15761/OGR.1000127.
2. Aywak AA, Mutala TM, Ndaiga P, Onyambu C, Raza S. Breast Cancer Prevalence Among Patients Referred for Ultrasound-Guided Biopsy at Kenyatta National Hospital, Kenya. *J Glob Radiol.* 2018;4(1):Article 4. DOI: 10.7191/jgr.2018.1037.

3. Comparison of qualitative and semiquantitative strain elastography in breast lesions for diagnostic accuracy. *Cancer Imaging: The official publication of the International Cancer Imaging Society*, 16(1), pp. 12-12. (DOI 10.1186/s40644-016-0070-8) (Mutala T.M., Ndaiga, P. and **Aywak, A**) 2016
4. Cardiovascular risk factors and carotid atherosclerosis in patients with systemic lupus erythematosus at Kenyatta National Hospital. *Afr J Rheumatol* 2014; 2(2): 64-69
Shiruli B.C, Oyoo G.O, Ogola E. N, Amayo E.O, **Aywak A.A**
- 5 Mwango G.M. Salim S.I., Wambugu M.N and **Aywak A.A.:** Role of abdominal ultrasound in evaluation of children with suspected upper gastrointestinal disease. *East African Medical Journal* 2012; 89(6):80-87.
6. **A.A.Aywak**, J.V Masesa Comparison of Sonography with Venography in the diagnosis of deep venous thrombosis of the lower limb *East Afri.Med.J* 2007 84(7): 304-311.
- 7 S.Nguku, N.Wanyoike and **A.Aywak** Biophysical Profile Score and Umbilical artery resistance index in PT(toxemia of pregnancy) patients *East Afri.Med.J* 2006 (2):93-101.
8. **A. A. Aywak**, W.Mwanda, N.E. Adamali Radiological manifestations of Burkitts Lymphoma as seen at the Kenyatta National Hospital *East Afric.Med.J Supplement* 2004(2) S104 -105.
9. Prevalence of Extra-Cranial Carotid Artery Stenosis and its Risk Factors in Patients with Ischaemic Stroke as seen In Kenyatta National Hospital. *Peer Review Journal for Pan African Society of Cardiology and for South African Associates in clinical and laboratory circular disorders. Volume 18 No. 2 March-April 2007,115.*
MK Mwazo¹, E.O. Amayo,¹ C.F. Otieno¹, **A.A. Aywak**²
¹Department of Clinical Medicine and Therapeutics
²Department of Diagnostic Radiology, University of Nairobi, Kenya

PAPERS PRESENTED IN CONFERENCES

- | | |
|-----------------|---|
| October 1996; | Radiological manifestation of Burkitts Lymphoma as seen in KNH (Dr. Aywak, Dr. Mwanda, Dr. Adamali).
Presented at Kenya Medical Association Conference – Imperial Hotel, KISUMU |
| June 2000; | Role of ultrasound in evaluation of gallbladder and gallbladder pathologies, KAR conference – WHITESANDS hotel – Mombasa. (June) |
| September 2002; | Role of ultrasound in antenatal care – MASU conference – IMPERIAL Hotel, Kampala. |
| August 2003; | Imaging in Ectopic pregnancy.
Colour Doppler ultrasound evaluation of carotid vessels.
Ultrasound evaluation of breast masses.
(PACORI Conference – Intercontinental Hotel – Nairobi, KENYA) |

September 2004;	Intrauterine fetal growth restriction evaluation – MASU Conference - IMPERIAL hotel, Kampala.
June 2006;	Role of Sonography in NeuroImaging – East Africa Neurosurgical Conference, MARA Kenya.
June 2007;	Sonography and Magnetic Resonance Imaging (MRI) evaluation of pelvic pathologies –Kenya Association of Radiologists - SERENA Hotel – Mombasa.
August 2007;	“Sonographic techniques in carotid arteries evaluation.” –PACORI conference Kampala, Uganda.
July 2008;	Role of Imaging in Diagnosis of Ca Breast – Kenya Medical Women Association (KEMWA), Nairobi, Kenya.
August 2012;	Complications in early pregnancy – MASU, Nairobi – Agakhan University, Nairobi.
2015	Keynote speaker at PACORI conference – Nairobi
2016	Role of Ultrasound in breast cancer at AgaKhan University Nairobi – MASU conference

Conferences Attended – No paper presented

June 2018	Attended Kenya Association of Radiologists Conference at Sarova Hotel, Nakuru.
June 2017	Attended Kenya Association of Radiologists Conference at Masai Mara,
April 2016	Attended Kenya Association of Radiologists Scientific Conference – MARA Kenya.
October 2010	Attended Kenya Association of Radiologists Conference at Whitesands Hotel, Mombasa.
October 2008	Attended Kenya Association of Radiologists Conference at Outspan Hotel, Nyeri.
March 2008	Attended conference World federation of ultrasound in medicine and biology in Dare salam Tanzania
June 2006	Attended a Breast Cancer Imaging conference in Thessalonica, Greece

- November 2003** Attended the Radiological Society of North America conference in Chicago, Illinois.
- March 2001** Attended a Neurological conference in South Africa organised by NICER.
- 1991- date** Attended the conferences organized by the Kenya Association of Radiologists from 1991 to date.

Invited Lectures

Invited by: **Foundation for Medical Know How Transfer based in Switzerland.**

1. Course in obstetrics sonography for midwives clinical officers, nurses and radiographers at Kwale – February 2014
2. Breast sonography – October 2013
3. Abdominal, chest and Neck Sonography – February 2013
4. Obstetric ultrasound – Focus on perinatal scanning – October 2012.
5. Abdominal, Small parts, Doppler and Chest sonography – March 2012.
6. Obstetric ultrasound, biometrics, fetal growth retardation, twin pregnancy and bleeding in early pregnancy.

Invited reviews

2010 East African Medical Journal – Doppler Ultrasound Evaluation in Pregnancy Complications.

Consultancies

Invited and participated as a member of the University of Nairobi leadership team in creating the National curriculum development and review framework guidelines to be used by Institutions Training Health Professionals in the country – December 2013.

Participation in the Organization of Scientific meetings

- 2002 Resource person in organization of MASU conference in Kampala
- 2003 Member of organizing committee for PACORI conference Kenya. Scientific adviser and resource person at the Conference.
- 2004 Member of organizing committee for KAR conference, Kenya.
- 2006 Chair of organizing committee for Kenya Society of Ultrasound in Medicine.

2007 Member of organizing committee for KAR conference, Kenya.

2008 Member of organizing committee for KAR conference, Kenya.

Administrative experience

March 2006 to Dec 2015 Chairman Department of Diagnostic Imaging and Radiation
Medicine

2006 – 2010 Chair, Kenya Society of Ultrasound in Medicine and Biology

1999-2000 Organizing Secretary, Kenya Association of Radiologists (KAR)

Membership of Learned Professional Bodies

Member of:

- 1) Kenya Association of Radiologists
- 2) Kenya Society of Ultrasound in Medicine and Biology
- 3) Kenya Medical Women Association
- 4) Kenya Medical Association
- 5) Council Member, Kenya Association of Radiologists.

Courses and Training attended

Training in PEDAGOGY – UON 2009.

Scholarship/Fellowship awards

Radiological Society of North America Fellowship Award in Ultrasound Training – 2001
Thomas Jefferson University, Pennsylvania.

References:

1. Prof. Fred Were – Professor,
Department of Paediatrics and Child Health
School of Medicine
University of Nairobi
P.O Box 19676
Nairobi.
2. Prof. C.F. Otieno - Associate Professor,
Dean - School of Medicine
University of Nairobi
P.O Box 19676
Nairobi.
3. Prof. K.M. Bhatt - Professor,

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