


Academic Staff Profile

Personal Profile

Personal Details

<p>Name: Nimrod Juniahs Mwakitawha Mwang'ombe Title/Qualification: PhD Department: General Surgery Designation/Position: Professor Email: mwanombe.nimrod@ku.ac.ke Contact Address: 671-00621 Area of Specialization: Neurosurgery -Medicine -General Surgery Research Interests: -Management of Traumatic Brain Injury -Management of Frontal Encephalocele Google Scholar: Nimrod J M Mwang'ombe ORCID ID: 0000-0003-0311-6853</p>	
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Academic & Professional Qualifications

MBChB (1976), University of Nairobi.
MMed, General Surgery (1980), University of Nairobi.
PhD (1990), University of London.
FCS(ECSA), 1982.

Employment History

Professor of Surgery, Department of General Surgery, Kenyatta University (May 2021-Present)

Professor of Surgery Department of Surgery University of Nairobi (April 2014-April 2021)

Associate Professor Department of Surgery University of Nairobi (September 2001-March 2014)

Senior Lecturer, Department of Surgery, University of Nairobi (March 1995-August 2001)

Lecturer in Neurosurgery Department of Surgery, University of Nairobi (July 1990-February 1995)

Consultant Neurosurgeon, Kenyatta National Hospital (February 1988-June 1990)

Research Registrar, The National Hospital for Neurology and Neurosurgery, Queen Square London (April 1984-January 1988).

Senior Registrar in Neurosurgery, Kenyatta National Hospital (April 1982-April 1984)

District Surgeon, Kisii District Hospital (September 1980-March 1982)

Senior House Officer/Registrar in General Surgery, Kenyatta National Hospital, University of Nairobi Medical School (Ministry of Health). Registered with the University of Nairobi for the Master of Medicine in Surgery degree. (October 1977-August 1980)

House Officer (Intern) Coast General Hospital, Mombasa (ministry of Health). (August 1976 - September 1977)

Achievements

1. Patron, East African Association of Neurological surgeons (2018 to present)
2. President Pan African Association of Neurological Sciences (2018)
3. Patron, World Neurosurgery Webinar Conference, 2020.
4. Patron, Brain Tumour Association of Kenya. 2021.
5. Patron, 4th Continental Association of African Neurosurgical Societies (CAANS), The Villa Rosa Kempinski, 7-11 November, 2022, Nairobi, Kenya.

Publications

Referred Journals

1. Developmental changes in the amount of glial fibrillary acidic protein and glutamine synthetase in human medulloblastoma cells. Mwang'ombe NJ, Darling JC, Thomas DG, Patel AJ. *Biochem. Soc. Trans.* 1986; 14, 762-63
2. Cerebral Hydatidosis. Case presentation and literature review. Mwang'ombe N.J.M. *The African Journal of Neurological Sciences.* 1999; 18: 6-7.
3. Acute Appendicitis following ventriculoperitoneal shunt surgery for hydrocephalus due to an intracranial space occupying lesion. Mwang'ombe N.J.M. *The African Journal of Neurological Sciences.* 1999; 18: 9-11.
4. Craniovertebral junction anomalies seen at Kenyatta National Hospital, Nairobi. N.J. Mwang'ombe and G. K. Kirongo. *East Afr. Med. J.* 2000; 77:162-164.
5. Intracranial Tuberculomas at the Kenyatta National Hospital, Nairobi. N.J.M. Mwang'ombe and J.K. Mwago. *East Afr. Med. J.* 2000; 77: 333-335.
6. Brain Abscess at the Kenyatta National Hospital, Nairobi. N.J.M. Mwang'ombe. *East Afr. Med. J.* 2000; 77: 323-325.
7. Ventriculoperitoneal shunt surgery and shunt infections in children with non-tumour Hydrocephalus at the Kenyatta National Hospital, Nairobi. N.J.M. Mwang'ombe and T. Omulo. *East Afr. Med. J.* 2000; 77: 386-390.
8. Spinal cord compression due to tumours at Kenyatta National Hospital, Nairobi. N.J.M. Mwang'ombe and M.B. Ouma. *East Afr. Med. J.* 2000; 77: 374-376.
9. Brain tumours at the Kenyatta National Hospital, Nairobi. N.J.M. Mwang'ombe and R.B. Ombachi. *East Afr. Med. J.* 2000; 77: 444-447.
10. Factors influencing the outcome of severe head injury at Kenyatta National Hospital. N.J.M. Mwang'ombe and J. Kiboi. *East Afr. Med. J.* 2001; 78: 238-241.

11. Fronto-ethmoidal teratoma. Case presentation and literature review. N.J.M.Mwang'ombe, G. Kirongo and Warambo Byakika. East Afr. Med. J. 2002; 79: 106-7.
12. Outcome of severe traumatic brain injury at a critical care unit: a review of 87 patients. E Opondo, NJ Mwang'ombe. Annals of African Surgery. 2007 Vol 1, 45788.
13. Ventriculoperitoneal shunt complications: a 3 year retrospective study in a Kenyan National Teaching and Referral Hospital. Mwachaka PM, Obonyo NG, Mutiso BK, Ranketi S, Mwang'ombe N. Paediatr Neurosurg 2012; 46: 1-5
14. Causes and risk factors of non-traumatic subarachnoid haemorrhage among patients at Kenyatta National Referral Hospital Kenya. V Wekesa, NJM Mwang'ombe, CK Musau, JG Kiboi. East and Centr Afr.J Surg 2011; 16
15. Clinical presentation and diagnosis of non-traumatic subarachnoid haemorrhage among patients treated at Kenyatta National Referral Hospital, Kenya. V Wekesa, NJ Mwang'ombe, CK Musau, J G Kiboi. East and Central African Journal of Surgery, vol 16 no 3, 2011, 69-74
16. Clinical experience and outcome of pituitary surgery in Kenyan patients at the Kenyatta National Hospital. Kiboi JG, Kitunguu PK, Musau CK, Mwang'ombe NJ. African Journal of Neurological Sciences, 2012; 31
17. Cerebrospinal fluid ascites. A case report and literature review. N J Mwang'ombe, Thiong'o G M, Boore J K. The African journal of Neurological Sciences 2012; 31
18. The role of young neurosurgeons in the development of neurosurgery (Editorial). N J Mwang'ombe. Asian J Neurosurg 2012; 7:1
19. Neuroepidemiology of Brain Tumours in Kenya. 2nd International Scientific Conference CHS & UoN. 19-21 June 2013. N J Mwang'ombe, P K P K Kitunguu. URI: <http://hdl.handle.net/11295/61248>
20. Neuroepidemiology of Head Injuries in Kenya. 2nd International Scientific Conference, CHS & UoN. 19th -21st June 2013. Mwang'ombe, NJM, Shitsama SV.
21. Neuroepidemiology of Spina Bifida Cystica in Kenya. 2nd International Scientific Conference CHS & UoN. 19-21 June 2013. N J Mwang'ombe, S G Njiru, M G Thiong'o. URI: <http://hdl.handle.net/11295/61258>
22. Kitunguu PK, Kanja S, Okemwa, M, Odhiambo A O, Mwang'ombe N J. Primary cerebellar glioblastoma multiforme with uncharacteristic clinical and imaging features. AJNS, 2015 Vol. 34. No 1
23. Ojuka, DK, Olenja JM, Mwang'ombe NJ, Yang EB, Macleod JB. Perception of medical professionalism among the surgical community in the University of Nairobi: a mixed method study. 2016. BMC medical education. 16(1):101.
24. Brain abscess; a review. Magoha, M A A, Mwang'ombe, N J. East Afr. Med. J. 2016; 93: No 12
25. Patterns of antimicrobial use in the neurosurgical ward of Kenyatta National Hospital. Sylvia A Opanga, Nimrod J Mwang'ombe, Faith A Okalebo, Kimani A M Kuria. Afr. J. Pharmacol. Ther. 2016. 5(4): 241-246

26. Best Practice in Management of Neurotrauma. 18th International Scientific Conference CHS & UoN. 24th November 2016. N J Mwang'ombe.
27. Systematic review, meta-analysis and grading of evidence on the effectiveness of antimicrobial prophylaxis for neurosurgical site infections. Sylvia A Opanga, Nimrod J Mwang'ombe, Faith A Okalebo, Kimani A M Kuria. *Afr. J. Pharmacol. Ther.* 2017. 6. (1).
28. Impact of neurosurgical site infections on patient expenditure at a national referral hospital in Kenya: a cost of illness study. Sylvia A Opanga, Nimrod J Mwang'ombe, Faith A Okalebo, Kimani A M Kuria. *Afr. J Pharmacol. Ther.* 2017. 6. (2): 72-76
29. Determinants of the Effectiveness of Antimicrobial Prophylaxis among Neurotrauma Patients at a Referral Hospital in Kenya: Findings and Implications Sylvia AO1 , Nimrod JMW2 , Faith AO1 , Brian Godman*3,4,5, Margaret O1 and Kimani MK1
30. Safe Surgery in Countries of Sub Saharan Africa. Mwang ombe NJM. *Surg Open acc J* 2017, 1(1): 000101.
31. The African Health Workforce Brain Drain. The Socioeconomic and Geopolitical Realities. Nimrod JM Mwang'ombe. *SF J Surg* 2017, 1:1.
32. High Risk Human Papillomavirus in Head and Neck Squamous Cell Carcinoma Patients at Kenyatta National Hospital, Kenya. Joyce Aswani, Omu Anzala, Nimrod Mwang'ombe. *African Journal of Health Sciences*, Volume 32, Issue No. 2, March - April 2019
33. Epstein Barr-virus and human papillomavirus co-infection in nasopharyngeal carcinoma patients at Kenyatta National Hospital, Kenya. Aswani JM , Anzala O , Mwang'ombe JN East and Central Africa Journal of Otolaryngology, Head and Neck Surgery, Vol. 4(2); 2020
34. Report of an initial site visit to determine feasibility and implementation of a comprehensive Neuro-oncology program in Kenya. B Armstrong, M Mbiro, M Magoha, M Okemwa, N Mwang'ombe, S Coven. *Neurooncology*, (22), December, 2020.
35. Extrusion of distal shunt catheter: a report of 3 cases. B Mutiso, N J Mwang'ombe. *Annals of Neurosurgery*. August 2021. 13 (2) 21
36. Management of intraventricular haemorrhage in haemophilia. Case report and review of literature. J Muthoka, W Munialo, W Mwanda, N Mwang'ombe. *Annals of Neurosurgery*. August 2021. 13 (2) 27
37. Development of guidelines for early diagnosis of childhood brain tumours at the Kenyatta National Hospital. T T John, N J Mwang'ombe, P Akuku. *Annals of Neurosurgery*, August 2021. 13 (2) 33
38. The pattern of brain tumours in Kenya. A review. N mwang'ombe, P Kitunguu. *Annals of Neurosurgery*, August 2021. 13 (2) 34
39. A one year prospective study on the epidemiology of spina bifida cystica in Kenya as seen at the Kenyatta National Hospital. S Njiru, N Mwang'ombe, J Kiboi, D Olunya. *Annals of Neurosurgery*, August 2021.13 (2) 37

40. Pleomorphic xanthroastrocytoma: a case report of a nine-year-old boy. P Njeru, N Mwang'ombe. *Annals of Neurosurgery*, August 2021. 13 (2) 38
41. Association between serum sodium abnormalities and clinicoradiologic parameters in severe traumatic brain injury. P Mwachaka, A Amayo, N Mwang'ombe, P Kitunguu. *Annals of African Surgery*. 2021
42. Milestones in the Development of Neurosciences in Africa-The History of PAANS. *East African Journal of Neurological Sciences (EAJNS)*, Vol 1, Supp 2, 2022.
43. Teaching Neuropathology to Neurosurgery Residents in Kenya. Society for Neuro-oncology, sub-Saharan Africa. 20-22 July, 2023, Nairobi, Kenya. Proceedings.

Books and Books Chapters

1. Revision Notes in Scientific Principles of Surgery (MMed Neurosurgery, University of Nairobi, 2016). Online.
2. Surgery Clerkship Manual, University of Nairobi (2014). On line.
3. Introduction to Neurosurgery for Medical Students, University of Nairobi, Kenya. 2014..
4. Guidelines for early diagnosis of childhood brain tumours in Kenya. T T John, N J Mwang'ombe, P Akuku. 2021.
5. National Guidelines for Cancer Management in Kenya. August 2013. Central Nervous System (CNS) Tumours. pp 59-65. (Mwang'ombe NJ, Narayan, V, Gatei D, Kalebi A.)

Conference/Workshops/Seminar Papers

1. G W Taka, N J M Mwang'ombe. Factors Influencing Early Outcome of Severe Head Injury at the Kenyatta National Hospital. The East African Association of Neurological Surgeons 1st Annual Scientific Conference. January 6-9, 2011, Crowne Plaza Hotel, Nairobi
2. P Lubanga, N J M Mwang'ombe. Head Injuries in African Children at the Kenyatta National Hospital The East African Association of Neurological Surgeons 1st Annual Scientific Conference. January 6-9, 2011, Crowne Plaza Hotel, Nairobi
3. J K Boore, N J M Mwang'ombe, W Waweru. Evaluation of Imprint (touch smear) Cytology during Brain Tumour Surgery at The Kenyatta National Hospital. The East African Association of Neurological Surgeons 1st Annual Scientific Conference. January 6-9, 2011, Crowne Plaza Hotel, Nairobi
4. V Wekesa, N J Mwang'ombe. Clinical Patterns of Non-traumatic Subarachnoid Haemorrhage at the Kenyatta National Referral Hospital. The East African Association of Neurological Surgeons 2nd annual Scientific Conference. January 6-9, 2012, Panafric Hotel, Nairobi.
5. G Wasike. N J Mwang'ombe . Anomalies of the Craniovertebral Junction: Case Report and Literature Review. The East African Association of Neurological

- Surgeons 2nd annual Scientific Conference. January 6-9, 2012, Panafric Hotel, Nairobi
6. V Wekesa, N J Mwang'ombe. Causes and Risk Factors of Non-traumatic Subarachnoid Haemorrhage at the Kenyatta National Referral Hospital. The East African Association of Neurological Surgeons 2nd annual Scientific Conference. January 6-9, 2012, Panafric Hotel, Nairobi
 7. G Muthoni, NJ Mwang'ombe . Ascites as a complication of Ventriculoperitoneal Shunt Surgery. Case Report and Literature Review. The East African Association of Neurological Surgeons 2nd annual Scientific Conference. January 6-9, 2012, Panafric Hotel, Nairobi
 8. G Njiru, NJ Mwang'ombe. Cranial and Spinal Dysraphisms at the Kenyatta National Hospital . The East African Association of Neurological Surgeons 2nd annual Scientific Conference. January 6-9, 2012, Panafric Hotel, Nairobi
 9. P Kitunguu, NJ Mwang'ombe. Neuroepidemiology of Brain Tumours in Kenya. 20th Congress of Pan Africa Association of Neurological Sciences (PAANS) December 3-4, 2012, Methodist Guest House, Nairobi.
 10. G Njiru, NJ Mwang'ombe. Neuroepidemiology of Spina Bifida Cystica in Kenya. 20th Congress of Pan Africa Association of Neurological Sciences (PAANS) December 3-4, 2012, Methodist Guest House, Nairobi
 11. M Magoha, NJ Mwang'ombe. The Role Intracranial Pressure Monitoring in the Management of Head Injuries in Africa. 20th Congress of Pan Africa Association of Neurological Sciences (PAANS) December 3-4, 2012, Methodist Guest House, Nairobi
 12. S Shitsama, NJ Mwang'ombe. Neuroepidemiology of Head Injuries in Kenya. 20th Congress of Pan Africa Association of Neurological Sciences (PAANS) December 3-4, 2012, Methodist Guest House, Nairobi.
 13. A Kasmani, NJ Mwang'ombe, CK Musau, J G Kiboi. Management of CNS Infections in the ICU. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
 14. N Mohan, N J Mwang'ombe, CK Musau, J G Kiboi. Clinical Practice Guidelines for Antimicrobial prophylaxis in neurosurgery. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
 15. G Thiongo, N J Mwang'ombe, CK Musau, JG Kiboi. Scalp Shaving and Postoperative Infection. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013
 16. S Shitsama, NJ Mwang'ombe, CK Musau, J G Kiboi. Infections in Neurosurgery in Kenya. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.

17. S Njiru, NJ Mwang'ombe, CK Musau, JG Kiboi. Neurosurgical Surgical Site Infection. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013
18. W Muriithi, NJ Mwang'ombe, CK Musau, JG Kiboi. Haemostasis in Neurosurgery: Successful Bleeding Management. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
19. P Kitunguu, N J Mwang'ombe. Neuroepidemiology of Ventriculoperitoneal Shunt Infections at the Kenyatta National Hospital. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
20. N Ochieng, N J Mwang'ombe, CK Musau, J G Kiboi. Opportunistic Infections in Neurosurgery. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
21. S Opanga, NJ Mwang'ombe. Prophylactic Antibiotics in neurosurgery. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference, Methodist Guest House, June 5, 2013.
22. Kitunguu, J Kiboi, CK Musau, NJ Mwang'ombe. Pituitary Surgery at the Kenyatta National Hospital. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
23. S Shitsama, N Mwang'ombe. Neuroepidemiology of Head Injuries in Kenya. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
24. P Kitunguu, NJ Mwang'ombe. Management and outcomes of extradural haematomas at the Kenyatta National Hospital. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
25. P Kitunguu, N Mwang'ombe. Neuroepidemiology of Brain Tumours in Kenya. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
26. P Kitunguu, NJ Mwang'ombe. Predictors of Functional Recovery in African Patients with Traumatic Intracranial Haematomas. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
27. G Thiongo, S Njiru, NJ Mwang'ombe. Neuroepidemiology of Spina Bifida Cystica in Kenya. The Second University of Nairobi & Kenyatta National Hospital Annual Scientific Conference June 19-21, 2013.
28. Anatomy, Pre-natal and Post-natal development of the Craniovertebral Junction. P Mwachaka, P Kitunguu, NJ Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014.
29. The Chiari Malformations: Diagnosis and Management. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014

30. Epidemiology of Gliomas at the Kenyatta National Hospital. M Wahome, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014
31. Comparison of the computed tomography model with the clinical parameters as predictors of outcome in severe traumatic brain injury. N. Mohan, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014.
32. Craniotomy surgical site infections at the Kenyatta National Hospital. A Njiru, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014.
33. Sellar and Parasellar Tumours. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2014.
34. Surgical anatomy and biomechanics of the spine. Dr P Mwachaka, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2015.
35. Decompressive craniectomy. Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2015.
36. Epidemiology of Spinal Infections diagnosed using MRI at Kenyatta National Hospital, Nairobi Kenya. Wanderi PK, Kanyata D, Mwang'ombe NJ
37. Neurocritical care; Intensive care monitoring. Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2015.
38. Craniotomy surgical site infections at the Kenyatta National Hospital. Dr S Njiru, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2015.
39. A study of computed tomography as a model of predicting outcome in severe traumatic brain injury patients at the Kenyatta National Hospital Nairobi, Kenya. Dr N Mohan, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2015.
40. Four decades of neurodegenerative disease research. Prof. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
41. Management of neurodegenerative disorders. Prof. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016
42. Craniotomy surgical site infection. A Njiru, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016
43. A study of the use and impact of antimicrobial prophylaxis in neurosurgery at the Kenyatta National Hospital. S Opanga, N J Mwang'ombe, K Kuria (PhD thesis). East African Association of Neurological Surgeons Annual Scientific Conference. 2016.

44. Clinical pattern of focal intracranial suppuration at the Kenyatta National Hospital. M Magoha, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
45. CNS tropism in Mycobacterium tuberculosis infection. L Ogutha N J Mwang'ombe. E Rogena. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
46. Non-traumatic intracerebral haemorrhage. L Thabo, NJ Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
47. Decompressive craniotomy for severe TBI. S. Rono, NJ Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
48. Childhood brain tumours at the Kenyatta National Hospital. T John, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
49. Spina bifida severity scale. G M Thiong'o, N J Mwang'ombe, L Albright. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
50. Patterns and outcome of cervical spine disc disease in Kenya. B Kipnetich, F Koech, N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2016.
51. The Role of neuroimaging in the classification and management of brain tumours. Dr. A Odhiambo, Prof. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2017.
52. The current classification of brain tumours and its applicability in the third world countries. Dr. M P Okemwa, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2017.
53. The surgical management of brain tumours in the African patient. Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference. 2017
54. Development of guidelines for early diagnosis of childhood brain tumours at the Kenyatta National Hospital. Dr. Tracy John, Prof. N J Mwang'ombe. . East African Association of Neurological Surgeons Annual Scientific Conference 2017.
55. Histopathological spectrum of childhood brain tumours in Kenya as seen at the Kenyatta National Hospital, Nairobi and Moi Teaching and Referral Hospital, Eldoret. Dr Simon Omuok, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2017.
56. The clinical pattern of focal intracranial suppuration and common causative organisms as seen at the Kenyatta National Hospital, Nairobi, Kenya. Dr. Michael Magoha, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2017.
57. Genotypic correlates of Central Nervous System infection by mycobacterium Tuberculosis at the Kenyatta National Hospital, Nairobi, Kenya. Dr. Lee Ogutha, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2017.

58. Early decompressive craniectomy for raised intracranial pressure following severe traumatic brain injury at the Kenyatta National Hospital, Nairobi, Kenya. Dr. Sydney Rono, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2017.
59. Ventriculoperitoneal shunt survival at the Kenyatta National Hospital: a registry based assessment. Dr. Peter Kitunguu, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2017.
60. The role of MRI in the diagnosis of brain tumours. Dr. Alfred Odhiambo, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
61. The new WHO classification of brain tumours. Dr. Peter Okemwa, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
62. Management of high and intermediate grade glioma. Dr Peter Kitunguu, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
63. Management of low grade glioma. Dr. Michael Magoha, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
64. Brain metastases. Dr Susan Karanja, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
65. Management of paediatric brain tumours. Dr. Tracey John, Prof N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2018.
66. The political and Socioeconomic Development of Neurosurgery in Universal Health Coverage in sub-Saharan Africa. World Federation of Neurosurgical Societies Congress, Beijing, China, 2019.
67. The role of systems engineering and ICT in Health Care Delivery. Patron's message. Nimrod Mwang'ombe. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 21.
68. AI Extrusion of distal shunt catheter: a report of 3 cases. Benjamin Mutiso, Nimrod Mwang'ombe. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 21
69. Management of intraventricular haemorrhage in Haemophilia. Case report and review of literature. Johnstone Muthoka, Wilfred Munialo, Walter Mwanda, Nimrod Mwang'ombe. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 33
70. Development of guidelines for early diagnosis of childhood brain tumours at the Kenyatta National Hospital, Nairobi, Kenya. Tracey T John, Nimrod Mwang'ombe, Patrick Akuku. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 27

71. The pattern of brain tumours in Kenya. A review. Nimrod Mwang'ombe, Peter Kitunguu. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 34
72. A one year prospective study on the epidemiology of spina bifida cystica in Kenya as seen at the Kenyatta National Hospital. Samuel Njiru, Nimrod Mwang'ombe, Julius Kiboi, David Olunya. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 37
73. Pleomorphic xanthoastrocytoma: a case report of a 9 year old boy. Peter Njeru, Nimrod Mwang'ombe. World Neurosurgery Webinar Conference, November 20-22, 2020. *Annals of Neurosurgery*, August 2021; 13(2): 38
74. The devolution of neurosurgical services in Kenya. N J Mwang'ombe. East African Association of Neurological Surgeons Annual Scientific Conference 2021.
75. Milestones in the development of neurosciences in Africa. The history of PAANS. The East African Association of Neurological Surgeons Annual Scientific Conference/Pan African Association of Neurological Sciences (PAANS) biennial Congress, 29 November-3rd December 2022, Sarova Whitesands Hotel, Mombasa.
76. Teaching Neuropathology to Neurosurgery Residents in Kenya. Society for Neuro-oncology, sub-Saharan Africa Annual Scientific Conference, Radison Blue Hotel, Nairobi, 20-22 July, 2023, Nairobi, Kenya.

Selected Recent Certificate of Participation and Workshops/Seminars

1. Pan African Association of Neurological Sciences 23rd Congress, Lome, Togo. 2018
2. Pan African Association of Neurological Sciences 22nd Congress, Kampala, Uganda 2016
3. Pan African Association of Neurological Sciences 21st Congress, Grand Bassam, Cote de l'voire 2014
4. Pan African Association of Neurological Sciences 40th Anniversary and 20th Congress, Nairobi, Kenya, November, 2012.
5. World Federation of neurosurgical Societies Educatiion Committee Course, Crowne Plaza Hotel, Nairobi, January 2011
6. World Federation of neurosurgical Societies Spine Workshop, Department of Human Anatomy, Chiromo Campus, August, 2011
7. The East African Association of Neurological Surgeons 1st Annual Scientific Conference & WFNS Educational Committee Course, 6-8 January, 2011, Crowne Plaza, Nairobi, Kenya. Conference Chair: Prof. Peter Black, President WFNS, Prof. Yoko Kato, Secretary Educational Committee, Prof NJM Mwang'ombe. Theme: "Promoting Neurosurgical Care in Africa. One World, One Vision. Building Bridges".

8. The East African Association of Neurological Surgeons & WFNS Spine Committee Medtronic Cadaver Workshop, Department of Human Anatomy, University of Nairobi. 6-7 August 2011.
9. The East African Association of Neurological Surgeons 2nd Annual Scientific Conference & WFNS/ISPN Workshop. 25-27 May 2012. Co-Chairs: NJM Mwang'ombe, TT Wong (Chair WFNS Paediatric Neurosurgery Committee), G Tamburrini (Chair-ISPN). Theme: The Practice of Paediatric Neurosurgery in Africa.
10. The East African Association of Neurological Surgeons 3rd Annual Scientific Conference & ISPN/Karl Storz Educational Course. 3-5 June 2013, Nairobi Kenya. Co-Chairs NJ Mwang'ombe, G Tamburrini (Chair-ISPN). Theme: Craniofacial malformations. Hydrocephalus, CNS Infections.
11. The East African Association of Neurological Surgeons 4th Annual Scientific Conference 14-15 March 2014, Nairobi Kenya. Chair NJ Mwang'ombe. Theme: Surgery of the Craniocervical Junction.
12. The East African Association of Neurological Surgeons 5th Annual Scientific Conference & WFNS/ SNCLF/PAANS Comprehensive Clinical Neurosurgery Review Course 11-13 May 2015, Nairobi, Kenya. Co-Chair: NJ Mwang'ombe, C Raftopoulos (President SNCLF). Theme: Training the Future Neurosurgeon of Africa.
13. The East African Association of Neurological Surgeons 6th Annual Scientific Conference & Residents Research Day, 25 November 2016, Nairobi Kenya. Chair: NJ Mwang'ombe. Theme: CNS Infections. Neurodegenerative Diseases.
14. The East African Association of Neurological Surgeons 7th Annual Scientific Conference & Residents Research Day, 18 December 2017, Nairobi Kenya. Chair: NJ Mwang'ombe. Theme: Management of Brain Tumours in the African Patient.
15. The East African Association of Neurological Surgeons 8th Annual Scientific Conference & Residents Research Day, 13 April 2018, Nairobi Kenya. Chair: NJ Mwang'ombe. Theme: Neurooncology, Spine and Epilepsy Surgery in Kenya.
16. The World Federation of Neurosurgical Societies Congress, 9-12 September 2019, Beijing, China. Faculty. The political and Socioeconomic Development of Neurosurgery in Universal Health Coverage in Sub-Saharan Africa.
17. The East African Association of Neurological Surgeons 9th Annual Scientific Conference & Residents Research Day, 6th December 2019, Panafric Hotel Nairobi, Kenya. Theme: Management of Craniovertebral Junction Disorders.
18. World Neurosurgery Webinar Conference, November 20-22, 2022. Faculty.
19. The East African Association of Neurological Surgeons 10th Annual Scientific Conference & Residents Research Day, 2nd December 2021, Lake Naivasha Resort. Theme "The new frontier of Neurosurgery Academia in Kenya".
20. 15th International Brain Tumour Awareness Week, 30th October-6th November, Taita-Taveta County. Brain Tumour Workshop, Voi County Referral Hospital, Wesu Sub-County Hospital, Taveta Sub-County Hospital.

21. 4th Annual Continental Association of African Neurosurgical Societies, Nairobi, Kenya, 7-11 November 2022. Faculty. The Scope of Neurosurgical Training and Practice in Africa.

Supervision of Postgraduate Students

Masters (MMed)

1. Head injuries in children at the Kenyatta National Hospital. Dr. R. Lubanga. MMed Surgery 1992.
2. Ventriculoperitoneal shunt infections in children with hydrocephalus at the Kenyatta National Hospital. Dr. T. Omulo. MMed Surgery 1993.
3. Spinal cord tumours at the Kenyatta National Hospital. Dr. B. Ouma. MMed Surgery 1995.
4. Gliomas in African patients at the Kenyatta National Hospital. Dr. B. Ombachi. MMed surgery.
5. Tuberculomas of the Central Nervous System. Dr. K. Mwago. MMed Surgery 1996.
6. Anomalies of the craniovertebral junction in Kenyan Africans. Dr. G. Kirongo. MMed Surgery 1997.
7. Outcome of Severe Head Injuries at the Kenyatta National Hospital. Dr. J. Kiboi. MMed Surgery 1999.
8. Ventriculoperitoneal shunt infections at Kenyatta National Hospital. A prospective study. Dr. S. Noorani. MMed Surgery 2002.
9. Management of frontal encephaloceles at the Kenyatta National Hospital. Dr. Nyaga. MMed Surgery. 2002.
10. The outcome of severe traumatic brain injury patients at the Kenyatta National Hospital. A prospective 6 months study. Dr. A. E. Opondo. MMed Surgery 2005.
11. Evaluation of imprint cytology as a diagnostic tool in central nervous system tumours at the Kenyatta National Hospital. Dr. J. K. Boore. MMed Surgery 2005.
12. A prospective study of factors that influence outcome of severe traumatic brain injury in patients at the Kenyatta National Hospital. Dr. Grace Taka. MMed Surgery 2009.
13. The Pattern of Non-traumatic Subarachnoid Haemorrhage at the Kenyatta National Hospital. Dr. Vincent Wekesa. MMed Neurosurgery 2011.
14. Histology and Clinical Pattern of Meningiomas. Dr. Symon Kanja. MMed Neurosurgery 2011.
15. Chronic Subdural Haematoma at the Kenyatta National Hospital. Dr. Godfrey Wasike. MMed Neurosurgery 2013.
16. Epidemiology of Spinal Dysraphisms at the Kenyatta National Hospital. Dr. Stephen Njiru. MMed Neurosurgery 2013.

17. Patterns and outcomes of surgically treated lumbar disc herniation among patients at Moi Teaching and Referral Hospital, Eldoret, Kenya. Dr. Abdul Wahid Kasmani. MMed Neurosurgery 2014.
18. Factors influencing achievement of total enteral nutritional support in African patients with severe traumatic brain injury at the Kenyatta National Hospital, a National Teaching and Referral Hospital, in Nairobi Kenya. Dr. Sylvia Shitsama. MMed Neurosurgery 2014.
19. Pattern of brain tumours at the Kenyatta National Hospital: a 3 year cross-sectional study. Dr. Solomon Wahome Muriithi. MMed Neurosurgery 2015.
20. Comparison of computed tomography (CT) model and clinical parameters as predictors of outcome in severe traumatic brain injury patients at the Kenyatta National Hospital. Dr. Nilesh K Mohan. MMed Neurosurgery 2015.
21. Craniotomy surgical site infections at the Kenyatta National Hospital. Dr Alex Njiru. MMed Neurosurgery 2015.
22. Patterns and clinical outcomes of surgically treated cervical spine disc disease at the Moi Teaching and Referral Hospital, Eldoret, Kenya. Dr. Boen Kipngetich. MMed Neurosurgery 2016.
23. Correlation of neurologic sequelae with types of surgical treatment for brain abscesses: aspiration and craniotomy with excision. Dr. Janvier Hitimana. MMed Neurosurgery 2016.
24. Validation of a spina bifida severity scale. Dr. Grace Muthoni Thiong'o MMed Neurosurgery 2017. (Nimrod Mwang'ombe & Leland Albright).
25. Patterns, management and clinical outcomes of non-traumatic intracerebral haemorrhage at Kenyatta National Hospital. Dr. Thabo Leurander. MMed Neurosurgery 2017.
26. Genotypic correlates of Central Nervous System Infection by Mycobacterium Tuberculosis. Dr. Lee Owuoth Ogutha. MMed Neurosurgery, 2017.
27. Early Decompressive Craniectomy for raised ICP following severe Traumatic Brain Injury: A case series at the Kenyatta National Hospital, Kenya. Dr. Sidney Rono. MMed Neurosurgery, 2017.
28. Development of Guidelines for Early Diagnosis of Childhood Brain Tumours at Kenyatta National Hospital. Dr. Tracey Trizah John. MMed Neurosurgery, 2017.
29. Clinical Patterns of Focal Intracranial Suppuration and Common Causative Organisms as seen at the Kenyatta National Hospital: a prospective study. Dr. Michael Magoha. MMed Neurosurgery, 2017.
30. Ventriculoperitoneal Shunt Survival at the Kenyatta National Hospital: a Registry Based Assessment. Dr. Peter Kitunguu. MMed Neurosurgery, 2017.
31. Histopathological Spectrum and Neuroradiological correlations of childhood intracranial brain tumours in Kenyatta National Hospital and Moi Teaching and Referral Hospital. Dr. Simon Ochieng Omuok. MMed Human Pathology, 2018.

32. The prevalence severity and pattern of head injury among motorcycle crash victims at Kenyatta National Hospital. Dr. Humphrey Kunda. MMed Neurosurgery, 2019.

Ph. D

1. Dr Sylvia Opanga MPharm (Clinical Pharmacy). A study of the use and impact of antimicrobial prophylaxis in neurosurgery at Kenyatta National Hospital and its financial implications. PhD(UoN) 2016. Dr S A Opanga (N J Mwang'ombe, K Kuria, F Okalebo). Member of Examination Panel.
2. Dr. Daniel Ojuka , MMed (Surgery). Exploring concepts of professionalism in surgical training in the developing world. PhD (UoN) 2017. Dr. D K Ojuka (N J Mwang'ombe, J M Olenja, E Young). Member of Examination Panel.
3. Dr. J M Aswani. MMed (ENT). High risk human papillomavirus and its correlations in head and neck squamous cell carcinoma patients at Kenyatta National Hospital. PhD (UoN). 2021. Dr. J M Aswani. (N J Mwang'ombe, Omu Anzala).

Professional/ Consultancy (Editor/ Peer review in journals, Networks/ Collaborations, External Examiner, Patents)

EDITORIAL BOARDS

1. The East African Journal of Neurological Sciences
2. The African Journal of Neurological Sciences
3. International Neuroscience Journal
4. Surgery-Open Access Journal
5. Scifed Journal of Surgery

EXTERNAL EXAMINER

1. Neurosurgery Professorial appointment, University of Zimbabwe (Kazadi Kalangu, 2013)
2. MBChB Final year examination in General and Orthopaedic Surgery, Kenyatta University Medical School, 2015-2019.
3. MMed Neurosurgery, University of Zimbabwe. Harare, Zimbabwe (2021-2023).

Community Service and Other Engagements

Patron. Brain Tumour Association of Kenya.

Affiliation of Professional Bodies

1. Kenya Medical Association
2. East African Association of Neurological Surgeons
3. Kenya National Academy of Sciences
4. Congress of neurological Surgeons (USA)
5. American Association of Neurological Surgeons (USA)
6. Society of Neurooncology .

7. International Society for Paediatric Neurosurgeons
8. Alumni, London Global University, University College, London. No 8-11204545.

National and International awards and Recognitions

- 2022 Founding Editorial Board, The East African Journal of Neurological Sciences
- 2021 Patron, East African Association of Neurological Surgeons
- 2020 Patron, World Neurosurgery Webinar Conference 2020
- 2018 President, Pan African Association of Neurological Sciences (PAANS)
- 2018 Member International Society for Paediatric Neurosurgeons
- 2016 100 most influential Africans of 2016, NewAfrican Magazine, December 2016
- 2013 Society of Neuro-oncology, International Travel Award, San Francisco, California
- 2013 Member, Society of Neurooncology, USA
- 2010 International member, American Association of Neurological Surgeons, USA
- 2010 Karl Storz Visiting Fellow, Neurosurgery, University of Cape Town, South Africa
- 2002 Congress of Neurological Surgeons, USA, George Ablin International Fellowship
- 1991-2003 WHO Consultant in Neurosciences
- 1984-88 Kenya government Scholarship, Institute of Neurology, The National Hospital for Neurology and Neurosurgery, Queen Square, University of London. Registrar in Neurosurgery. General Medical Council (UK) Registration No 84/1051.
PhD Neurosurgery.

Administrative Positions Held

Recognized university administrative positions

- A. Member School of Medicine Board, Kenyatta University (May 2021-Present)
- B. Examiner in Neurosurgery Residency Program (MMed-Neurosurgery), University of Zimbabwe, Harare, Zimbabwe. 2021-present.
- C. Member University of Nairobi Senate (2003 to April 2021)
- D. College of Health Sciences University of Nairobi
Member, College Academic Board (2002 to April, 2021)
- E. Faculty/School level, School of Medicine, University of Nairobi
Member School Board (1990 to April 2021)
- F. Department level, University of Nairobi
Thematic Head, General Surgery (2003-2013)
Thematic Head, Neurosurgery (1990 to April 2021)