

DR. BERNARD M. NDUNG'U

CURRICULUM VITAE

Fell. GI/Hernia Endoscopic Surgery (Apollo-Delhi); Dip. MAS; FMAS (WALS-Delhi); MMed (Surg); MBChB; BSc (Anat) (UoN)

PROFILE

Dr. Bernard M. Ndungu holds a BSc in Human Anatomy, MBChB and MMed (Surgery) degrees from the University of Nairobi, a Diploma in Minimal Access Surgery (MAS) from the World Association of Laparoscopic Surgeons (WALS), The Laparoscopy Hospital in New Delhi, India. He has received additional training in Laparo-endoscopic Digestive (GI) and Hernia surgery from the Asia-Pacific region including Singapore, South Korea but mainly in Apollo Hospital in New Delhi, India; and Bariatric/ Metabolic Surgery at CEMAST (Centre of Excellence in Minimal Access Surgery Training), Mumbai, Medtronic centre of innovation in Turkey and Klinikum Mittelbaden, Germany

He is a Kenya Medical and Practitioners Board Certified General and Laparoscopic surgeon.

Dr. Ndungu is a Senior Lecturer and the current thematic head of Microscopic Anatomy (Histology) in the Department of Human Anatomy where he has taught for two decades. He is a Faculty Trainer in Laparoscopic Courses in General Surgery of Nairobi Surgical Skills Centre (NSSC), College of Surgeons of East, Central and South Africa (COSECSA), Hernia society of Kenya working group, Breast Cancer working group and Surgical palliative care working group.

He is the Founding and current Chairman of the Hernia Society of Kenya and Member of Asia-Pacific Hernia Society, Geneva Foundation of Medical Education and Research among other Societies.

He has a profound interest in the Medical education and training of the Surgical Anatomy and Anatomical Surgery of Abdominal wall and Gastrointestinal (GI) hernias, Breast and GI Oncology with special emphasis on innovation, modern technics and the new frontier of Minimal Access Surgery and Nanotechnology.

His current research interests are care pathways of Bariatric, breast and GI cancer patients, in-vivo effects of intra-peritoneal Laparoscopic implantation of prosthetic meshes in ventral hernia repair, the Standardization of hernias management and reporting in the region by establishment of a national/regional hernia registry, in-vivo augmentation of inguinal canal sphincter mechanism in prevention of groin herniation and recently and the anatomical and physiological basis of the mechanism of T2DM resolution and weight loss following Bariatric Surgery.

1. PERSONAL DETAILS

Date of birth:	4 th August 1967
Place of Birth/Residence:	Nairobi, Kenya
Gender:	Male
Marital status:	Married
Nationality:	Kenyan
Religion:	Christian

2. ACADEMIC /PROFESSIONAL QUALIFICATIONS

- 2015/6 Certificates in Laparoscopic Bariatric/Metabolic Surgery
- 2008 Fellowship in Digestive / Hernia Endosurgery
- 2007 Fellowship and Diploma in Minimal Access Surgery (MAS)
- 2004 Masters of Medicine in surgery
- 1997 Basic Life Support Training.
- 1994 Bachelor of Medicine and Bachelor of Surgery
- 1990 Bachelor of Science in Human Anatomy

3. SPECIALIZATION

- Human Surgical Anatomist
- Minimal Access/Laparoscopic Gastro/ Hernia and Bariatric/Metabolic Surgeon

4. ACADEMIC BACKGROUND

Date	Institution	Qualification
• 1998 – 2003	University of Nairobi	Master of Medicine in General Surgery (MMed, Surg)
• 1991-1993	University of Nairobi	Bachelor of Medicine Bachelor of (MBChB) Degree Surgery
• 1987-1990	University of Nairobi	Bachelor of Science in Anatomy
• 1984-1985	Ndururumo High School	Kenya Advanced Certificate of Education. (K.A.C.E.)
• 1980-1983	Kiaguthu Secondary School	Kenya Certificate of Education (KCE)
• 1973 – 1979	Karega Primary School	Certificate of Primary Education

5. POST-BASIC EDUCATION AND TRAINING

- Oct 2016: Groin and Incisional Hernias Repair Hands-on Workshop, HSK/KNH.
Trainer: Dr. Heather Collen Bougard, Sommerset Hospital, SA
- June 2016: Bariatric Master Class at Istanbul Turkey
Trainer: Dr. Claude El Tayar, Dr. Sultan Al Temyatt, Dr. Jean Louis Alle
- Dec 2015: Introduction to Laparoscopic Bariatric Surgery course held at ICMAS, Kenya.
Trainer: Prof Peter Hans Logna; Sophia Hemmet Hospital, Sweden
- Nov 2015: Certificate in Laparoscopic Bariatric and Metabolic Surgery Course; Centre of Excellence in Minimal Access Surgery Training (CEMAST), Mumbai, India.
Trainer: Dr Shashank Shah
- Nov 2015: International Masterclass; Incisional, Groin, Parastomal Laparoscopic/Open Hernia repair; abdominal wall defects & Component separation; Klinikum Mittelbaden, Baden Baden Germany.
Trainer: Prof. Dr Med. Dieter Burger
- Dec 2014: Surgical Telementoring in Laparoscopic, Bariatric, Gastric Bypass Surgery at Dar es Salaam, Tanzania.
Trainer: Dr. Bruno Dillemans, AZ St. Jan hospital of Bruges, Belgium.
- August, 2014; Training for Trainers Course on Teaching and Research Methodology held at Sarova Panafric Hotel;
Trainer; Prof. P. Grange
- June, 2014; Laparoscopic Hernia Repair Proctorship Program; Ethicon Surgical Education, AKUH
Trainer; Dr. Chudy; Ayer Hospital, London
- Jan 2014: Laparoscopic Bariatric Surgery, New Delhi, India
Trainer: Dr. Chobey
- Dec 2013-Jan 2014; Commenced Fellowship in Bariatric Surgery (On-going)
Trainer: AAPMBS
- Oct, 2013; Hernia Society of Kenya Workshop on Laparoscopic Hernia Repair conducted at The Kijabe Mission and Kenyatta National Hospital.
Trainer; Dr. Med. Klaus Kraft
- Aug-Oct, 2011; American Gastroenterological Association (AGA)
On line course, DDSEP IV: A Core curriculum in Gastroenterology and Hepatology.
Trainer; Elizabeth Messner.
- Nov. 2010; Gastrointestinal Endoscopy Training at St Mary's Hospital, Langata.
Trainers; Drs Ndonga/Nyaga
- Oct 2010; Endohernia Repair Workshop at The Surgical Anatomy Education centre of the Severance Hospital, Seoul, South Korea
Trainer; Prof. Gil Ho Kang

- July, 2010; less is more—Improving Patient Outcomes in Inguinal and Ventral Hernia Repair with a focus on technique. <http://www.medscapecme.com>
Trainer; Cyndi Grimes, Director Medscape CME.
- Sept- Dec 2008; Fellowship; Laparoendoscopic Gastrointestinal / Endohernia Surgery at Apollo Indraprastha Hospital, Madhura Road, New Delhi, India.
Trainer; Dr. Arun Prasad
- Oct, 2007; Pre-conference Workshop Hands-on Training in abdominal wall surgery Endohernia Surgery at The Tan Sri Teck Puat Advanced Surgery Training Centre/ National University Hospital; Singapore
Trainers; Faculty of the Third Asia- Pacific Hernia Society Drs. D. Lomanto, P. Bhatia
- May-July,2007; Advanced Laparoscopy surgery and Endosuturing training at New Delhi Ethicon Institute of Surgical Education (EISE), Sir Ganga Ram and The Bhatia Global Hospitals; New Delhi, India.
Trainers; Drs. P.K. Chobey and P. Bhatia.
- April 2007; F. MAS and D.MAS, World Association of Laparoscopic Surgeons (WALS) New Delhi, India.
Trainer; Prof. R.K. Mishra
- 2003-2005; Senior Registrar, General Surgical Unit Firm II of the Kenyatta National Hospital; Consultant; Prof. J. Adwok
- Sept 2004; Electron Microscopy and Stereology Workshop at the Department of Veterinary Anatomy, Faculty of Veterinary Medicine; UoN.
Trainers; Dr. Makhanya & Dr. Kiama
- 1997: Trained Basic life support (BLS) at the Mater Hospital.
- 1994-1996; Medical Officer, The Mater Hospital, Nairobi Kenya
- 1993 – 1994; Internship training at The Kenyatta National Hospital, Nairobi- Kenya

6. TEACHING EXPERIENCE

PERIOD	APPOINTMENT	EMPLOYER
• Feb 2015 to date	Senior Lecturer	University of Nairobi
• 2005 to Feb 2015	Lecturer	University of Nairobi
• 2005 to Date	Consultant General/Laparoscopic Surgeon and Clinical instructor	Kenyatta National Hospital
• 1996-2005	Assistant Lecturer	University of Nairobi
• 1995-1997	Instructor in Human Anatomy and Physiotherapy.	Kenya Medical Training College (KMTC)
• 1990-1993	Demonstrator and Research assistant	University of Nairobi
• 1986- 1987	Teacher	Rarakwa Secondary School

7. PROFESSIONAL TRAINING EXPERIENCE

- Oct 2014: Faculty trainer Basic Laparoscopic Skills in General Surgery at Nairobi Surgical Skills Centre (NSSC); Kenya.

- June 2014: Proctor, Laparoscopic Hernia Proctorship training at Agha Khan University Hospital, Nairobi.
- Jan, 2014; Faculty trainer, Intermediate Laparoscopic Skills in General Surgery at Nairobi Surgical Skills Centre (NSSC); Kenya.
- Nov, 2013; Faculty trainer Surgical Anatomy, anterolateral abdominal wall and abdominal wall hernias. Anatomy module course for COSECSA residents offered at the NSSC; Department of Human Anatomy, UoN
- June 2013: Faculty trainer Basic Laparoscopic Skills in General Surgery at Nairobi Surgical Skills Centre (NSSC); Kenya.
- May, 2012; Faculty trainer Intestinal Obstruction, drains and feeding. In Abdominal Emergency Surgery COSECSA General Surgery Seminar, MP Shah Hospital.
- March, 2012; Faculty trainer Stapled Hemorrhoidopexy (PPH) and Mesh Hernioplasty. 12th Surgical Society of Kenya (SSK) Pre- conference workshop, Kisumu, Kenya.
- April, 2011; Faculty trainer Mesh Hernioplasty Workshop. 11th Surgical Society of Kenya (SSK) and regional meeting of College of Surgeons of East, Central and Southern Africa (COSECSA), Naivasha, Kenya.
- March, 2010; Faculty trainer Basic Laparoscopy Training for Surgeons. 10th Surgical Society of Kenya (SSK) Pre- conference workshop on Laparoscopy, Coast General Hospital, Mombasa, Kenya.
- Nov 2009; Colorectal Workshop at the Kenyatta National Hospital. Trainer; Dr. A.E.O. Coker
- April 2009; Faculty trainer Intermediate Laparoscopic training for Aga Khan University Hospital Residents at Kabete Campus of the University of Nairobi, Nairobi, Kenya.
- March 2008; Faculty trainer Research Methodology Workshop; How to write and publish a paper. 9th Surgical Society of Kenya (SSK) Pre- conference workshop on Manuscript Writing, Nakuru, Kenya.
- December, 2007; Faculty trainer Basic Laparoscopic Skills training for Surgeons. Preconference Workshop of the 58th Association of Surgeons of East Africa (ASEA) and College of Surgeons of Eastern, central and southern Africa(COSECSA) hosted by SSK, Mombasa, Kenya.

8. DEPARTMENTAL POSITIONS HELD

- 2014/15 Course coordinator, Intercalated BSc Anatomy program
- 2010-to date Thematic head, Histology section
- 2010- to date: Course coordinator, Anatomy for Bachelor of Pharmacy program
- 2008-2010 Course coordinator, Intercalated BSc Anatomy program
- 2003-2005 Representative, College show Committee,
- 1996- 1998 Course coordinator, Anatomy for MBChB /BDS program

9. NATIONAL AND OTHER POSITIONS HELD

- 2011-to date Chairman, Hernia Society of Kenya
- National Chapter Representative; Afro-Middle East Hernia Society (AMEHS)
- Associate Editor, J. global health systems
- Reviewer Annals of African Surgery, African J. Anatomy, South African J. Surgery

10. RESEARCH INTERESTS

- **Basic science:**
 - Anatomical/Physiological basis of the mechanisms of T2DM resolution and weight loss following various Bariatric Surgical procedures
 - Application of normal and variant Anatomy in clinical disciplines of Medicine and Surgery
 - Evolutionary Adaptations of biological systems
 - Anatomy and physiology of anterolateral abdominal wall.
- **Clinical Research:**
 - Surgical training with simulation technology.
 - Abdominal wall and Endohernia Surgery.
 - Open and Endoscopic Gastrointestinal/Visceral interventional procedures
 - Breast Surgery
- **Current Research Initiatives:**
 - In-vivo performance of prosthetic meshes in intra-peritoneal Laparoscopic Hernia repair
 - Improvement of Outcomes of Groin and Ventral Hernia repairs by introducing the concept of Local, National and regional Hernia registries.
 - Care pathways for improving Breast and Gastrointestinal oncology management and outcomes in the region.

- Incorporation of Basic Laparoscopic skills course into the residency programmes of surgical and gynaecological trainees and ultimately into MBChB and BSc (N) programmes.
- Application of self-organizing systems & Nanotechnology in Medicine/Surgery

11. PUBLICATIONS

Published

- Bernard M. Ndungu, Tharao, M.K. Koech, A. Morphometry of the myopectineal orifice: Relevance in prosthesis hernia repair. ECAJS, Vol.19 (2), July 2014; 135-9.
- Ndungu B.M. Mburu, J.K. and Odende, K. Morbidity Profile of Early Experience of Laparoscopic Ventral Hernia Repair in Kenya. Annals African Surgery; Vol. 12(1) 27-31; Jan 2015.
- Ndungu, B.M. The evolution of Minimal Access Surgery and the Laparoscopic cholecystectomy. Editorial; The Annals of African surgery; Jan. 2014, Vol. 11(1):1-3
- Hemed El-Busaidy, Jameela Hassanali, Wycliffe Kaisha, Saidi Hassan. Julius Ogeng'o and Ndung'u, B. M. Prevalence of Abnormal Sternal Angles in a Kenyan Population. Anat Physiol 2014, 4(1); 1-4.
- H. El-Busaidy, S. Hassan, P. Odula, J. Ogeng'o, B. M. Ndung'u: Sex variations in the structure of human atrioventricular annuli. Folia Morphol, 2012, Vol.71(1); 1-5
- Kimani S.M. Ogeng'o J.A, Saidi H. Ndungu B.M. Comparative intimo-media morphology of the human splenic and common hepatic arteries. J. Morph. Sci; 2011; 28:52-5.
- Mburu K.S, Alexander O.J. Saidi. H, Ndungu, B .M. Variations in the branching pattern of the celiac trunk in a Kenyan population. Int. J. Morph. 2010; 28(1): 199-204.
- Ndungu B.M. Tharao, M.K. Githaiga, J.W. and Radia, K. Breast Tuberculosis in outpatient practice; case reports. Annals of African surgery. Vol.3; Dec. 2008; 30-33.

- Koech, A. Ndungu, B.M. Gichangi, P. Structural Changes in Umbilical Vessels in Pregnancy Induced Hypertension. *Placenta*, Volume 29, issue 2 (February, 2008), p. 210214.
- Ndungu, B.M.; Kwasa, T.O.; Onyango, M. Epilepsy; knowledge, beliefs and Attitudes in Kenya. *African J. of Medical Practice* Vol. 4(2) 1997; 47 -50

Submitted

- Bernard M. Ndungu Tharao, M.K. Koech, A. Inguinal canal morphometry: Relevance in prosthesis hernia repair. (Oct; 2014).
- Ndungu, B.M. Owira, P. Manderu, P. Anatomical basis of the higher incidence of Gastroesophageal reflux disease with increasing age. (Submitted Jul 2016).
- Bernard M. Ndungu, Peter K. Kitunguu, Hassan Saidi and Jameela Hassanali: Anatomical Variants of the Pancreatico-biliary ducts among Kenyans (Submitted- July 2016)

In preparation

- B. M. Ndung'u: In-Vivo performance and abdominal wall incorporation characteristics of prosthetic meshes in Laparoscopic Ventral Hernia repair. Draft MD/PhD project proposal.
- Bernard M. Ndungu: Hernia Register: Towards Standardization of Hernia Management & Reporting in Kenya and the Region. - Draft MD/PhD proposal
- Ndungu B.M. Odende K. and Kiragu J. Early Experience of Laparoscopic Nissen's Fundoplication for Symptomatic Gastroesophageal reflux Disease (GERD) in Kenya.

12. BOOK CHAPTER

- B.M. Ndungu (2014): The Receptors. In “ Saidi H, Ongeti K, Mandela P, Mwachaka PM, Olabu B (eds)” *Kimani's Histology: Text and Manual* ,p 81-91, University of Nairobi.
- B.M. Ndungu, Ongeti, K.O.; Kigera, J. and Olabu, B. (2013) *Histology; Module II for Medical Students: Integument and integrating system*. Department of Human Anatomy in collaboration with Centre of distance learning; University of Nairobi.
- B.M. Ndungu, Ongeti, K.O.; Kigera, J and Olabu, B. (2014) – *Histology Module II: Integument and integrating system*. Online Histology modules for Medical Students eLearning platform.

13. INTERNATIONAL ABSTRACTS

- Ndungu B.M. Koech A, Tharao MK. Morphometry of the weak areas of the inguinal region in relation to prosthesis herniorrhaphy. (Abstract) 4th International congress of Asia-Pacific Hernia Society (APHS) Beijing 2008;
- Ndungu, B.M. Monda, S. Nyaim, E.O. Kimende, K. Wanjeri, K. and Jani, P. Abdominal wall defects reconstruction using delayed procedures. Presented during the 4th International Congress of the Asia-Pacific Hernia Society (APHS); Beijing, China; October 2008.

14. THESES/PROJECTS

- Bernard M. Ndungu and R. K. Mishra; Evaluation of the intraperitoneal (onlay) and the preperitoneal (inlay) techniques in laparoscopic ventral hernia repair. Dip. MAS; The Laparoscopy Hospital; World Association of Laparoscopic Surgeons (WALS); New Delhi; India April, 2007.
- Bernard M. Ndungu Renal duplication Anomaly as seen at the Kenyatta National Hospital; MMed. (Surg.) Thesis UoN; 2003.
- Bernard M. Ndungu; The structural Organization and adrenergic innervation of the hind limb arterial system of some selected Artiodactyls; An illustration of the evolutionary and adaptive role of the cardiovascular System. BSc (Anatomy) Project UoN; 1990.
- Bernard M. Ndungu; The significance of fossil hominid evidence from Olduvai Gorge and its contribution to some aspects of evolution studies. BSc (Anatomy) Project, UoN; 1990

15. OTHER PUBLICATIONS

- Bernard M. Ndung'u: The impact of the laparoscopic skills training courses at the NSSC on the clinical practice of the trainees. NSSC News 2014.
- Ndungu B.M. Recurrent Pleomorphic Sarcoma of the anterior Neck Region. Doctors News 15 (2010); 20-21.
- Ndungu B. M. Laparoscopic Ventral Hernia Repair. Doctors News Issue 16 (2011); 1821.
- Ndungu B.M. Waruinge, R.M. Epilepsy; The forgotten disease: The student doctor 1992: vol.1; 5-7

16. SUPERVISION OF PROJECTS/STUDENTS THESIS

- **MMed Thesis**

Student	Topic	Status
S Wambugu Maranga	Factors associated with late stage diagnosis of breast cancer Patients seen at the KNH	Completed 2009

- **Intercalated Bachelor of Science in Anatomy Projects**

Patricia Owira	Anatomical basis of increasing Incidence of GERD with aging	Completed 2013
Nderitu Joseph M.	Anatomy of the hepatic plates	Completed 2012
Iwaret Mary Otiti	Variant Anatomy of the subclavian artery	Completed 2011
Elbusaidy Hemed M.	Anatomy of the sternum bone	Completed 2010
Wanjau C Waruguru	Anatomy of pancreatic ducts	Completed 2010
Sinkeet S. Ranketi	Role of nanotechnology in medicine	Completed 2009
Njongo Wanjiku	Anatomy of the diaphragmatic crura	Completed 2008
Njihia B. N:	Morphology and Morphometry of sacral hiatus in Kenyans	Completed 2008
Kimani S. Mburu	Anatomy of the celiac trunk	Completed 2007
Peter Kitunguu K.	Variant anatomy of the extrahepatic biliary system	Completed 2006
Koech Angela C.	Anatomy of the umbilical vessels	Completed 2005

17. CONFERENCE PARTICIPATION

- 2016: Annual scientific conference of the SSK, Naivasha Kenya
- 2016: HSK preconference workshop and scientific conference, KNH & Panafric Hotel
- 2015 24th International symposium on Morphological sciences (ISMS) Faculty of Science Istanbul University, Turkey September 2nd – 6th.
- 2015: 1st World Conference on Abdominal Wall Hernia Surgery, Milan, Italy April 25th-29th.
- 2014: 15th COSECSA-ASEA AGM and Scientific Conference; Milimani City Conference Centre, Dar ES SALAAM, Tanzania.
- 2014: Hernia Society of Kenya, 2nd scientific symposium; Best Western Hotel, Nairobi; Chairman, organizing and scientific committee
- 2014: Training for Trainers (TOT) Course held at Sarova, Panafric Hotel, and 26th - 27th Aug. Trainer; Prof. P Grange

- 2014: Annual scientific conference of the Surgical Society of Kenya, Watamu, Kilifi County, Kenya
- 2013: Annual scientific conference of the Surgical Society of Kenya, Mombasa First Scientific symposium of the Hernia Society of Kenya (HSK), Eka Hotel Nairobi, Kenya.
- 2012: Annual scientific conference of the surgical society of Kenya Kisumu, Kenya. 20th ain-shams International medical students' congress, Cairo Egypt.
- 2011: Annual scientific conference of the surgical society of Kenya, Naivasha, Inauguration Meeting, Hernia Society of Kenya (HSK) Naivasha, Kenya.
- 2010: Annual scientific conference of the surgical society of Kenya, Mombasa Oncology experience in Africa, Mombasa, Kenya
Sixth International conference of the Asia-Pacific Hernia Society (APHS), Severence Hospital, Seoul, South Korea.
- 2009: Annual scientific conference of the surgical society of Kenya;
First World Hernia Congress, Oct, 9-12, Berlin, Germany
- 2008: Annual scientific conference of the surgical society of Kenya. Nairobi, Kenya
Fifth international congress of the Asia-Pacific Hernia Society, Oct Beijing, China
- 2007: Annual scientific conference of the surgical society of Kenya. Third Asia-Pacific Hernia Society (APHS); Oct, Singapore
- 2006: Annual scientific conference of the surgical society of Kenya, Kakamega, Kenya
- 2005: Annual scientific conference of the surgical society of Kenya
- 2004: Annual scientific conference of the surgical society of Kenya, Kisumu
- 2003: Annual scientific conference of the surgical society of Kenya, Nyeri
ASEA/COSESCA regional meeting Nile Hotel, Kampala, Uganda.
- 1993: First Pan – African Conference on Neuroscience; Nairobi Kenya.
- 1990: 2nd Brain Research (I.B.R.O.) and UNESCO sponsored Workshops and Conference in Neurology and Neurosciences in Nairobi, Kenya 1988 and 1990
- 1988: 1st Brain Research (I.B.R.O.) and UNESCO sponsored Workshops and Conference in Neurology and Neurosciences in Nairobi, Kenya.

18. CONFERENCE PRESENTATIONS

- March 2016: The Diabesity Pandemic; Are we prepared for it? Annual SSK scientific conference, Naivasha, Kenya
- March 2016: Early experience of Laparoscopic Nissen's Fundoplication for symptomatic GERD in Kenya. Annual SSK conference, Naivasha Kenya
- April 2015; Ndung'u BM and Others: Initial Experience of Laparoscopic Nissen's Fundoplication for Symptomatic GERD in Nairobi, Kenya. 1st World Conference on Abdominal Wall Hernia Surgery, Milan Italy.
- April 2015: Ndung'u BM, B Njihia, H Saidi: Hernia Society of Kenya and the piloting of Kenya Hernia Registry. 1st World Conference on Abdominal Wall Hernia Surgery, Milan Italy.

- April 2015; Ndungu BM, P Kiragu, K Odende: Laparoscopic Ventral Hernia Repair preliminary results of initial local experience Kenya. 1st World Conference on Abdominal Wall Hernia Surgery, Milan Italy.
- April 2015 Ndung'u BM and Others; Evaluation of Retromuscular mesh repair technique for Giant Ventral Incisional Hernias. 1st World Conference on Abdominal Wall Hernia Surgery, Milan Italy.
- April 2015 Ndungu BM, A Koech, M Tharao; Morphometry of the myopectineal orifice: Relevance in prosthesis Hernia repair. 1st World Conference on Abdominal Wall Hernia Surgery, Milan Italy.
- December 2014; Ndung'u BM: The Nairobi Surgical Skills Centre (NSSC); regional simulation surgical training centre. 15th Annual Scientific Conference of COSECSA, Dar es Salaam, Tanzania.
- October 2014; Ndung'u BM, Tharao M, Koech A: Morphometry of the myopectineal orifice in relation to prosthesis hernia repair among Kenyans. 2nd Scientific Hernia Society of Kenya symposia at Best Western Hotel in Hurlingham Nairobi.
- October 2014; Ndung'u BM, Njoroge. Njoroge: Laparoscopic ventral hernia repair: In-vivo performance of prosthetic meshes. 2nd Scientific Hernia Society of Kenya symposia at Best Western Hotel in Hurlingham Nairobi.
- October 2014; Ndung'u BM, Kemunto, W. Gachau, M Okode N: Survey on training of hernia surgery to undergraduate students at University of Nairobi medical school. 2nd Scientific Hernia Society of Kenya symposia at Best Western Hotel in Hurlingham Nairobi.
- October 2014; Ndung'u BM, B.N. Njihia: THE KENYA HERNIA REGISTRY: Obligations, Quality controls and Benefits of the Participating Units. 2nd Scientific Hernia Society of Kenya symposia at Best Western Hotel in Hurlingham Nairobi.
- March 2014; Ndung'u BM, Mburu JK, Ondede K, Ndonga A: Laparoscopic Nissen's fundoplication for symptomatic gastro esophageal reflux disease at Watamu; SSK.
- March 2014; Ndung'u, B.M.; Hernia Register; towards standardization of hernia management and reporting in Kenya and the region. 14th Annual Scientific Conference of the surgical Society of Kenya (SSK) at Watamu.
- Feb 2014: Ndung'u, B.M.: Laparoscopic Surgery; Past, Present and Future. Oration at The Mater Hospital.
- Oct, 2013; Ndung'u BM, Mburu JK, Ondede K, Ndonga A: Laparoscopic Nissen's fundoplication for symptomatic gastro esophageal reflux disease. 1st Hernia Society of Kenya Scientific Symposium at the Eka Hotel, Nairobi Kenya.
- March 2013; Ndung'u BM, Mburu K, Ondede K: Laparoscopic repair of ventral hernias: An initial experience of 25 consecutive cases – 13th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- March 2012; Ndung'u BM, Kitunguu P k, Hassanali J, Saidi H: Anatomical variants of the pancreatico-biliary ducts among Kenyans – 12th Annual Scientific Conference of the surgical Society of Kenya (SSK).

- Elbusaidy H, Hassan S, Odula P, Ogeng'o J, Ndung'u B.M. (2012). Sex variations in structure of women atrioventricular annuli. 20th ain-shams International medical students' congress, Cairo Egypt.
- March 2012; Ndung'u BM: Kenya Hernia Society—a new era in herniology - 12th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- August 2011; Ndung'u BM: Clinical role in evaluation of the patient presenting with cancer of the breast: Information to be abstracted, extent of investigation and treatment - 11th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- April 2010; Ndung'u BM: Report on retrospective follow up of breast tumours – East Africa Oncology Experience Exchange Meeting.
- April 2010; Ndung'u BM: Clinical Pathway in Breast Cancer Management – East Africa Oncology Experience Exchange Meeting.
- Sinkeet SR, Ndung'u BM, Hassanali J, Ogeng'o JA (2010). Nanoscale Drug delivery in epilepsy. Poster presentation. 1st annual Neurosciences Conference. National Museums of Kenya, Nairobi, Kenya. 7 – 10 September, 2010.
- March 2009; Ndung'u BM, Koech A, Tharao MK: Morphometry of the myopectineal orifice in relation to groin prosthesis herniorrhaphy - 9th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- March 2009; Ndung'u BM, Kiragu P: Pre-peritoneal prosthesis herniorrhaphy at KNH - 9th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- March 2009; Ndung'u BM, Nyaga P, Wabwire Muya J: Clinical Pathway of Breast Cancer Management - 9th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- March 2009; Ndung'u BM, Mburugu P: Laparoscopic retroperitoneal renal surgery - 9th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- March 2009; Ndung'u BM, Musila G, Tharao MK: Training in minimal access surgery: the ideals to surgical advancement - 9th Annual Scientific Conference of the surgical Society of Kenya (SSK).
- December 2007; Ndung'u BM: Endohernia surgery-future directions – 58th AGM and scientific conference of the association of surgeons of East Africa.
- Ndung'u B.M et al Renal duplex system as seen at the Kenyatta National H hospital: A paper presented at the scientific conference of the surgical society of Kenya at Kakamega; Kenya in March 2006.
- Ndung'u BM et al Significance of fine needle aspiration cytology of breast lumps in a breast clinic setting. A paper presented at the scientific conference of the surgical society of Kenya at Kakamega; Kenya in March 2006.
- Ndung'u BM et al Epidemiology of breast cancer: A private breast clinic perspective. A paper presented at the scientific conference of the surgical society of Kenya at Kakamega; Kenya in March 2006.
- Ndung'u BM, et al Breast conservation surgery in early breast cancer: A report of 12 cases. A paper presented at the scientific conference of the surgical society of Kenya at Kakamega; Kenya in March 2006.

- Ndung'u BM, Mburu K, Ondede K: Laparoscopic repair of ventral hernias: Initial experience with 25 consecutive hernias.
- Ndung'u BM, Nyaim EO, Kimende, Kiongi K, Monda GM: abdominal wall defects reconstruction using delayed surgical procedures with mesh prosthesis APHS 2008 Beijing China.
- Ndung'u BM, Maranga B, Kiarie G, Nyongesa C, Anzala: The reasons for late stage presentation of breast cancer at the Kenyatta National Hospital. KNH Scientific conference 2011.
- Ndung'u BM, Delorme's procedure; a report of two cases: a paper presented at the Associations of surgeons of East Africa Conference in Kampala Uganda in November 2003 and at the surgical society of Kenya Conference in Kisumu Kenya in 2004.
- Ndung'u BM, Right Hemicolectomy for Cecal perforation by gastrointestinal foreign bodies in a psychiatric patient. A paper presented during the scientific Conference and annual general meeting of the surgical society of Kenya in Kisumu, Kenya; 2004.

19. ACCOLADES AND RECOGNITION

- 2007 April 30; Diplomate Shield of MAS; First in Kenya
- 2008 Oct 9; Bassini prize; Best Oral Scientific Presentation award; Fifth International congress of the Asia-Pacific Hernia Society, Beijing, China.
- **First** to Perform Advanced Minimal Access (Laparoscopic) Surgical procedures in our National Referral KNH which are now gaining popularity in tertiary surgical practice because of the inherent patient benefits.
 - 29/02/2009: *Laparoscopic Nissen's Fundoplication* on Patient C.W. IP No. 1289452
 - 08/06/2008: *Laparoscopic Ventral Hernia Repair* on Patient H.N.M.
 - 2010: *Laparoscopic Total Extra-peritoneal (TEPP) Hernia Repair* on Patient M.K. IP No. 1226085
- 2011 June 11; Founding Chairman Hernia Society of Kenya (HSK)
- 2015 Nov 7; International Masterclass, groin, ventral and parastomal Hernia repair.
- 2016 June 2016; International Masterclass, Laparoscopic Bariatric/Metabolic Surgery.

20. COLLABORATION AND LINKAGES

- 2014: Hernia Register—a collaboration with Mesh industry partners; Braun, Covidien, Dynamesh, J&J.
- 2014: In-Vivo Mesh Characteristics in LVHR-, a collaboration with Mesh industry partners.
- 2012 Nairobi Surgical Skills Centre –Johnson & Johnson (J&J).
- 2011 BRECC- Author of the Care pathway protocol, a collaboration with Roche Pharma
- 2010 Breast Disease Initiative Group Project – Nairobi WHO Office
- 2008 Post –Doctoral collaboration between KNH and Apollo Hospital in India for Specialized Training in MAS, GI and HPB Surgery.

21. MEMBERSHIP OF PROFESSIONAL BODIES

- Afro Middle East Hernia Society (AMEHS)
- Hernia Society of Kenya (HSK)
- Geneva Foundation of Medical Education and Research (GFMER)
- Asia-Pacific Hernia Society (APHS)
- World Association of Laparoscopic surgeons (WALS).
- Association of surgeons of East Africa (A.S.E.A).
- Surgical Society of Kenya (S.S.K.)
- Kenya Society of Hematology and Oncology (KESHO)
- Kenya Medical Association (KMA)
- National Asthmatic Association of Kenya (NAAK)

22. HOBBIES

- Advanced studies on history of human diseases, their treatment and astronomy.
- Volleyball playing and officiating
- Swimming
- Value addition in Agri-business
- Corporate Development

23. REFEREES

- Prof Hassan Saidi
Chairman, Dept. of Human Anatomy
Consultant Laparoscopic/Visceral Surgeon
University of Nairobi and AKUH
- Prof. Peter Gichangi
Ass. Prof. Department of Human Anatomy
University of Nairobi & University of Ghent
Consultant Gynecological Oncological Surgeon
- Dr. Andrew Ndegwa Makhanya
Senior lecturer, Dept. of Veterinary Anatomy & Physiology
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