

DEPARTMENT OF SURGERY ANNUAL REPORT 2014

Contact information

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KENYA

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VISION

A centre of choice for quality training, innovative research and policy development for the production of world-class surgeons and surgical health care providers.

MISSION

To train high calibre surgical professionals, carry out creative, innovative and inventive research in current and emerging challenges, set and apply international standards in evidence and science based surgical healthcare provision, and be at the forefront of surgical policy formulation.

CORE VALUES

- Strive to be a leader in surgical training, surgical research and surgical practice locally, regionally and internationally
- Espouse and impart the virtues of professional ethics and moral standards in training, research and practice
- Promote evidence based health care provision
- Promote research
- Promote teamwork
- Nurture responsible professionalism through a culture of mentorship
- Promote sensitivity and responsiveness to the community and its environmental needs
- Promote gender sensitivity in training, research and practice
- Promote optimum utilization of resources in surgical training, research and practice
- Encourage and champion continuing medical education

DEPARTMENTAL MANAGEMENT TEAM

Chairman; Prof Stephen W.O. Ogendo

Thematic heads ; Prof. Nimrod J. Mwangombe (neurosurgery)

Dr. J. Githaiga (General Surgery)

Prof. Stanley O. Khainga (Plastic Reconstructive and Aesthetic Surgery)

Dr. Tom M. Omulo (Thoracic and Cardiovascular Surgery)

Dr. Joseph M. Ndungu (Paediatric Surgery)

Prof. Peter Ndaguatha (Urology)

Snr. Admin. Assistant ; Ms. Marilyn K. Nabakwe

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MESSAGE FROM THE CHAIRMAN

INTRODUCTION

The history of the department dates back to the inauguration of the medical school in 1968.

The department has grown significantly since and produced many surgical pioneers for this country. The department has also been associated with many firsts within the country e.g. heart surgery and kidney transplants to mention a few.

Since inception the department has produced over two hundred post graduates. These graduates are not only serving in the country but also internationally in top institutions like the World Health Organisation amongst others.

The department continues to be a leader in academics within the country. In this role, it has initiated the development of many new programmes, the last being Master of Medicine programme in Urology in January 2014.

We have progressively diversified to accommodate the changing market trends. In 2013 therefore, the department of anaesthesia became a fully-fledged and independent department. This separation has provided them with the required autonomy to expand and further broaden their programmes. However, Department of Surgery continues to provide support to the Department of Anaesthesia as and whenever required.

Academic staff from the department continue to serve in many of the College committees and activities.

HUMAN RESOURCE

The department of surgery is the largest department in the university with 48 members of staff consisting of;

Academic staff	Number	Support staff	Number
Professor	9	Senior Administrative assistant	1
Associate Professor	3	Secretaries	2
Senior lecturer	3	Support staff	2
Lecturer	20		
Tutorial Fellow	8		
TOTAL	43		5

In addition to the academic staff listed above, in service delivery surgeons from the Kenyatta National Hospital also participate in teaching and examination activities.

FUNDING AND FINANCIAL MANAGEMENT

The department met its recurrent expenditure through University capitation.

Funds are allocated into two main votes; teaching and equipment and furniture and office equipment.

The funds were managed as per College/ University financial regulations and other statutory requirements.

Vote	Amount (2013/2014)
Teaching and office expenses	320,343.00
Travelling and transport expenses	-
Furniture and office equipment	161,227.0

ACADEMIC PROGRAMMES

The department of surgery continues to teach undergraduate MBChB and BDS students for the Schools of Medicine and Dental Sciences.

Programmes currently offered by the department of surgery include diploma, bachelor (part), masters and PhD programmes.

1. Bachelor of Medicine Bachelor of Surgery (Surgery)
2. Bachelor of Dental Science (General Surgery Course)
3. Master of Medicine in General Surgery (3 year programme gradually being phased out)
4. Master of Medicine in General Surgery (New 5 year programme)
5. Master of Medicine in Neurosurgery (6 year programme)
6. Master of Medicine in Paediatric Surgery (5 year programme)
7. Master of Medicine in Thoracic and Cardiovascular Surgery (5 year programme)
8. Master of Medicine in Plastic Aesthetic and Reconstructive Surgery (5 year programme)
9. Master of Medicine in Paediatric Surgery (5 year programme)
10. Master of Medicine Urology (5 year programme)
11. Diploma in Clinical Audiology and Public Health Otology

ADMISSIONS

For the various programmes offered in the department admissions of new candidates for 2014 were;

- Master of Medicine in General surgery 9
- Master of Medicine in neurosurgery 3
- Master of Medicine in ENT 8
- Diploma in Clinical Audiology and Public Health Otology 4*
- Master of Medicine in Paediatric Surgery 4
- Master of Medicine in Thoracic and Cardiovascular surgery 5
- Master of Medicine in Plastic Surgery 5
- Master of Medicine in Urology 6

GRADUATES FOR 2014

From the various programmes within the department, the following table shows the number of graduates for the academic year 2023/2014.

Programme	Graduates
Master of Medicine in General Surgery	5
Master of Medicine in Neurosurgery	0
Master of Medicine in ENT	4
Diploma in audiometry	0
TOTAL	9

PARTNERSHIPS AND LINKAGES

The department continues to nurture collaborations with sister academic institutions. These linkages for the 2013/2014 academic year include;

The London School of Hygiene & Tropical Medicine

University of Colorado

University of Rwanda

University of Cape Town (RENGEN Study and ASAP study)

ACADEMIC STAFF ACTING AS EXTERNAL EXAMINERS 2013/2013.

Prof. Joseph Oliech	External Examiner, Aga Khan University, Nairobi
Prof. Pankaj Jani.	External Examiner, University of Rwanda
Dr. P. Mugwe.	External examiner for ENT to Muhimbili
Prof S. Ogendo.	External examiner for cardiothoracic surgery to University of Addis Ababa External examiner to College of Surgeons of South Africa
Prof Pankaj Jani	External examiner to College of Surgeons of South Africa External Examiner, National University of Rwanda
Dr. S. Khainga	External Examiner in general surgery in Eldoret University

CONFERENCES ATTENDED BY STAFF MEMBERS

Staff members attended various academic conferences or workshops during the year. These include national and international conferences. Various presentations were made by staff during some of these meetings.

S/NO.	NAME	DATE	CONFERENCES ATTENDED
1	Prof. Peter Odhiambo	July 24 – 25, 2014	Presiding over a function in Ramogi Institute of Advanced Technology, Kisumu
2	Prof. S.W.O. Ogendo	December 9 th to 14 th 2014	Inaugural Board meeting of the G4 Alliance
		Nov. 27 – 5, 2014	COSECA AGM and Scientific Conference, Dar es Salaam – Tanzania
		Dec. 9 – 14, 2014	Inaugural Meeting of G4 alliance – London, UK
		July 6 – 9, 2014	Participate in an accreditation visit of Malamulo SDA Hospital, Malawi
			15th Annual General Meeting and Scientific Conference of the Surgical Society of Ethiopia and COSECSA's Annual Council meeting, Bahir, Ethiopia
		July 30 – Aug. 1, 2014	32 nd annual general meeting of the Kenya Cardiac Society, Mombasa.
		Sept. 3 – 5, 2014	Pan African Association of Surgeons : Regional Surgical Summit, Cape Town – South Africa
		May 24 th to 26 th 2014	Regional meeting of the Association of surgeons of Uganda and COSECSA, Jinja, Uganda
		February 24 th to 29 th 2014	Health Ministers Meeting, Arusha.
3	Prof. Pankaj G. Jani	December 9 th to 14 th 2014	Inaugural Board meeting of the G4 Alliance
		Nov. 25 – Dec. 5, 2015	COSECA AGM and Scientific Conference, Dar es Salaam – Tanzania
		Nov. 13 – 17, 2014.	Netherlands Society for international Surgery in Amsterdam, The Netherlands.
		Dec. 9 – 12, 2014	Inaugural Meeting of G4 alliance – London, UK.
		Dec. 9 – 14, 2014	Participate in an accreditation visit of Malamulo SDA Hospital, Malawi.
		October 13 th to 17 th 2014.	ESTHER initiative meeting, Paris, France.
		Aug. 11 – 13, 2014	ECSA Health Community 24th Directors Joint Consultative Committee and the 8th Best Practices Forum meeting, Arusha – Tanzania
		Sept. 3 – 5, 2014	Pan African Association of Surgeons : Regional Surgical Summit, Cape Town – South Africa
		June 3 rd to 11 th June 2014.	14 th Betune Round Table International Surgery, McMaster University, Hamilton, Ontario, Canada.
		June 17 th to 20 th , 2014	Global Commission meeting, Freetown, Serra

S/NO.	NAME	DATE	CONFERENCES ATTENDED
			Leone.
		May 24 th to 26 th 2014	Regional meeting of the Association of surgeons of Uganda and COSECSA, Jinja, Uganda
4	Prof. Peter Mungai	October 9 th to 20 th 2014.	International Society of Urology, Glasgow, UK
		May 16 th to 21 th , 2014	American Association of Urology meeting, Orlando, Florida
5	Prof. Nimrod Mwangombe	April 22 nd to 25 th , 2014	XXIst PAANS Congress, Ivory Coast
6	Prof. Herbert Oburrah	April 7 th to 11 th 2014	KENTS meeting
7	Prof. Isaac Hacharia	October 18 th to 21 st 2014	ENT SASAHA/SAAA meeting, Cape Town, South Africa
		June 16 th to 20 th June, 2014.	CBM advisory meeting, Lusaka, Zambia.
8	Prof. Peter L.W. Ndagutha	Oct. 12 th – 15 th , 2014	World Congress of Urologists in Glasgow, Scotland
9	Prof. Stanley Khainga	Nov. 8, 2014	Wound Care Society of Kenya Workshop – Nakuru
		May 22 nd to 26 th May, 2014.	Burns conference, Johannesburg, South Africa
10	Dr. Joyce M. Aswani	Oct. 17 – 25, 2014	The IFOS Board Meeting and 014 ENT/SASLHA/SAAA Congress in Cape Town, SA.
		Oct. 27 – Nov. 1, 2014	Head and Neck Surgery Camp in Malindi, Mombasa
11	Dr. Joseph W. Githaiga	Oct. 15 th – 22 nd , 2014	18th SIS World Congress on Breast Healthcare in Orlando, Florida, USA
		July 14 – 15, 2014	Health Management Course, Strathmore Business School – Nairobi
		May 26 th to 1 st June, 2014	Hernia conference, Edinburgh, UK
12	Serah Ndegwa	Sept. 14 – 22, 2014	Meeting of the American Neurotology Society (including the cochlear implant study group meeting) in Orland Florida and Atlanta
		July 18 – 23, 2014	Starley Hearing Foundation Gala, St. Paul – Minnesota, US
		Sept. 14 – 23, 2014	Universal Newborn hearing Screening programme, Duke University Hospital University of Miami Children's Hospital, US
13	Dr. John Ayugi	Nov. 8, 2014	8th Annual Otology Symposium at Southern Sun Hotel in Nairobi. Presented on how to

S/NO.	NAME	DATE	CONFERENCES ATTENDED
			perform mastoidectomies
		Oct.9 – 12, 2014	Team Leader – Otological Outreach camp in Nanyuki conducted by Surgeons from the University of Kentucky and University of Nairobi.
		August 8 th to 11 th 2014.	Allergy Society of South Africa Conference, Durban, South Africa
14	Dr. Julius G. Kiboi	Dec. 1 st – 3 rd 2014	Conference for International Endoscopy – Nairobi
15	Dr. Vincent Wekesa	Sept. 20, 2014	Neuro Basic Surgical Course. Trainer, a) Hydrocephalus b) ICP Monitoring
		Nov. 27, 2014	KNH Symposium held in Lecture Theatre III – CHS (Infection Control in Surgery to Optimize Patient Outcomes)
16	Dr. Peter Mugwe	July 2 – 5, 2014	EAACI Allergy School Investigating allergic effects of environmental exposures 2014, Brindis, Italy
17	Dr. Christopher Musau	Mat 27 th to 31 st June, 2014.	South African Spine Conference, Cape Town, South Africa
18	Dr. E. O. Nyaim	Nov. 27, 2014	KNH Symposium held in Lecture Theatre III – CHS (Infection Control in Surgery to Optimize Patient Outcomes)
		Sept. 3 rd – 8 th 2014	4th Internation Patient Safety Congress at Kolkata, India
		July 28 th – Aug. 1 st , 2014	18th Annual Conference and General Meeting of the Association of Medical Councils of Africa, Mauritius
		February 6 th to 10 th 2014	Apolo Cancer Conclave, Chennani
19	Dr. Mark Awori	Nov. 27, 2014	KNH Symposium held in Lecture Theatre III – CHS (Infection Control in Surgery to Optimize Patient Outcomes)
		July 29 – Aug 1, 2014	Kenya Cardiac Society Scientific Conference, Leisure Lodge - Mombasa
20	Dr. Daniel K. Ojuka	Nov. 27, 2014	KNH Symposium held in Lecture Theatre III – CHS (Infection Control in Surgery to Optimize Patient Outcomes)
		July 19 – 26, 2014	15th World Congress of the ICMDA, Rotterdam, Netherlands
21	Dr. Owilla Francis A	Nov. 27, 2014	CHS (Infection Control in Surgery to Optimize

S/NO.	NAME	DATE	CONFERENCES ATTENDED
			Patient Outcomes) KNH Symposium held in Lecture Theatre III
		May 16 th to 21 th , 2014	American Association of Urology meeting, Orlando, Florida
22	Dr. John Ayugi	Nov. 8, 2014	8th Annual Otology Symposium at Southern Sun Hotel in Nairobi (How to perform mastoidectomies)
		Aug. 8 – 10, 2014	Allergy Society of South Africa, Durban – South Africa
		July 16 - 19, 2014	Annual Kents (Kenya Ear Nose and Throat Society)/PAFOS (Otological Training in Kenya)
		June 11 th to 15 th June, 2014.	Cochlear Implant Training Course, Cairo, Egypt.
23	Dr. Nangole Wanjala	April 10 th to 13 th , 2014.	11 th IQUAM Congress and COnsesus Conference and 3 rd IPRAS International Trainees Meeting, Budapest, Hungary.
		June 2 nd to 5 th June 2014.	Visit to ConvaTec Global Development Centre, UK.

OTHER WORKSHOPS

- That on 3rd March 2014 the Departments of Surgery, Orthopaedic and Anaesthesia. Workshop held within department of surgery and objective to facilitate rollout of objective structured clinical examination for undergraduates.
- Final year Bachelor of Medicine and Bachelor of Surgery students basic surgical skills workshop at the Nairobi Surgical Skills Centre (NSSC) in Chiromo campus - 16th Sept 2014
- UoN KNH July 2014 Hand Surgery Workshop - The Plastic Surgery Thematic Unit conducted a successful Hand Workshop Surgery in July 2014 facilitated by Prof Krishnar Kumar from India.
- UoN KNH Consultants retreat, 29th October to 1st November 2013 at Great Rift Valley Lodge, Naivasha.

FUNDED RESEARCH PROJECTS

RenGen study under Welcome trust through University of Cape Town

PUBLICATIONS

For the year 2014 the following publications were produced by the department.

1.	Zühlke L, Engel ME, Karthikeyan G, Rangarajan S, Mackie P, Cupido B, Mauff K, Islam S, Joachim A, Daniels R, Francis V, Ogendo SWO , Gitura B, Mondo C, Okello E, Lwabi P, Al-Kebisi MM, Hugo-Hamman C, Sheta SS, Haileamlak A, Daniel W, Goshu DY, Abdissa SG, Desta AG, Shasho BA, Begna DM, ElSayed A, Ibrahim AS, Musuku J, Bode-Thomas F, Okeahialam BN, Ige O, Sutton C, Misra R, Abul Fadl A, Kennedy N, Damasceno A, Sani M, Ogah OS, Olunuga T, Elhassan HH, Mocumbi AO, Adeoye AM, Mntla P, Ojji D, Mucumbitsi J, Teo K, Yusuf S, Mayosi BM.	Characteristics, complications, and gaps in evidence-based interventions rheumatic heart disease: the Global Rheumatic Heart Disease Registry (the REMEDY study), European Heart Journal Advance – doi:10.1093/eurheartj/ehu449.
2.	Ogendo et. al. (H3Africa Consortium).	Research capacity. Enabling the genomic revolution in Africa. Science. 2014 Jun 20;344(6190):1346-8. doi: 10.1126/science.1251546. No abstract available.
3.	Goldstein SD, Papandria D, Linden A, Azzie G, Borgstein E, Calland JF, Finlayson SR, Jani P , Klingensmith M, Labib M, Lewis F, Malangoni MA, O'Flynn E, Ogendo S , Riviello R, Abdullah F.	A pilot comparison of standardized online surgical curricula for use in low- and middle-income countries. JAMA Surg. 2014 Apr;149(4):341-6. doi: 10.1001/jamasurg.2013.4830.
4.	Menach OP, Patel A, Oburra HO .	Demography and histologic pattern of laryngeal squamous cell carcinoma in kenya.. Int J Otolaryngol. 2014;2014:507189. doi: 10.1155/2014/507189. Epub 2014 Jan 21.
5.	Nangole F , Biribwa P, Khaingna S .	Pedicled anterior lateral thigh flap in managing a bilateral groin contracture. Case Rep Surg. 2014;2014:451356. doi: 10.1155/2014/451356. Epub 2014 Sep 22.
6.	Nangole FW , Khaingna SO .	FAMM Flap in Reconstructing Postsurgical Nasopharyngeal Airway Stenosis. Plast Surg Int. 2014;2014:276058. doi: 10.1155/2014/276058. Epub 2014 Sep 21.
7.	Ochungo P.O., Mugwe P. , Kiran R.;	Mesenchymal Chondrosarcoma of the parotid. A case report, Otolaryngology Online Journal, V.4 (4) 2014.
8.	Jaime Libes, Oliver Oruko, Fatmah Abdallah, Jessie Githanga, James Ndung'u , Joyce Musimbi, Festus Njuguna, Kirtika Patel, John White, Jason R, James A. O'Neill, Martha Shrubsole, Ming Li, and Harold N. Lovvorn;	Risk Factors For Abandonment of Wilms Tumor Therapy in Kenya

9.	Ochungo P.O., Mugwe P. , Masinde P. and Waweru W.;	Prevalence of H. Pylori in Tonsillar Tissue of Patients with Chronic Recurrent Tonsillitis Using Rapid Urease Test in a Tertiary Referral Hospital in Sub Saharan Africa, Indian Journal of Otolaryngology and Head & Neck Surgery 2014.
10.	Wekesa . D. , Ogengo J. A., Siongei C. V., Elbusaidy H., Iwaret M.;	Demographics of patients admitted with Traumatic Intracranial Bleeds in Kenyatta National Hospital in Nairobi, Kenya. East and Central African Journal of Surgery. November/December 2013 Vol.18 (3)
11.	Chambers KJ, Aswani J , Patel A, Fundakowski C, Mannion K, Lin DT, Netterville J.	The value of a collaborative course for advanced head and neck surgery in East Africa. Laryngoscope. 2014 Nov 21. doi: 10.1002/lary.25028.
12.	Marangu D, Jowi C, Aswani J , Wambani S, Nduati R.	Prevalence and associated factors of pulmonary hypertension in Kenyan children with adenoid or adenotonsillar hypertrophy. Int J Pediatr Otorhinolaryngol. 2014 Aug;78(8):1381-6. doi: 10.1016/j.ijporl.2014.06.002. Epub 2014 Jun 16.

CONSULTANCIES

The Department of Surgery has continued to offer consultancy services through Kenyatta National Hospital in outpatient clinics and ward rounds in general surgery, plastic surgery, cardiothoracic unit, paediatrics and ENT.

FACILITIES AND INFRASTRUCTURE

The Department acquired the following during the period 2014

1. Air conditioners for board room
2. Kyocera Photocopier TA3010i and an MCQ Marker that will be used in marking examination scripts.

Both these items were kindly supplied through funding from the office of the dean, school of medicine.

COMMUNITY OUTREACH

Staff within the department offer community service through a number of avenues.

Members of academic staff took a prominent part in the annual Surgical Society of Kenya surgical camp. This took place in North Rift region between 27th and 30th September 2012. Dr. Owillah as the chairman of the Society led the surgical teams.

Staff members also play a leading role in professional bodies and these include the following;

- Prof George Magoha Chairman of the Kenya Medical Practitioners and Dentists Board
- Prof. Ziporah Ngumi is a member of the Kenya Medical Practitioners and Dentists Board
- Dr. Elly Opot Nyaim is member of the Kenya Medical Practitioners and Dentists Board
- Prof George Magoha Chairman of the Kenya Association of Urological Surgeons
- Prof. Pankaj G. Jani is the interim Vice President of the recently launched G4 alliance.
- Dr. Elly Opot Nyaim a lecturer in the Department of Surgery is the current Chairman of the Kenya Medical Association (KMA).

- Dr. Elly Opot Nyaim and Dr. D. Ojuka re council members of the Surgical Society of Kenya.
- Dr. F. Owilla, chairman of the Surgical Society of Kenya.
- Dr. Mark Awori is vice chairman of the Kenya Cardiac Society
- Prof. Mungai Ngugi is Director, East African Kidney Institute (K)

Other individual staff members continue to involve themselves in community activities.