ANNUAL REPORT DEPARTMENT OF HUMAN ANATOMY

2013
The department approached the year with a focus on academic quality, student support and innovation in reaching out. It performed well in performance contracting and client feedback on organization and dedication to excellence. I thank and congratulate all the section and committee heads, course coordinators and entire staff for making this possible.

Academic Quality
2013 was unique in the sense that we handled two intakes in an accelerated program lasting 30 weeks per academic year. Although we were initially wary of the covering the entire curriculum in much shorter period, the results for the May and December end of year examinations showed improvement over the 2012 ones. The external examiners report were quite positive with a suggestion for the department to continue on its good work as a center of Anatomy excellence in the region.

Learning outcomes & Student support

(a) Student numbers
There were two intakes during the reporting period. In the September 2012 intake the department welcomed 467 new students in Medicine, 38 in Dentistry, 100 in Pharmacy, 88 in Nursing and 26 in Medical laboratory programs. In the May 2013 the intake was 370 medical students 58 dental, 108 pharmacy100 nursing and 31 med lab.

(b) Tracking scores
Progressive assessments (PATs) were administered every third week and these kept the students on toes, allowed the identification of weaker students for whom remedial measures were taken. Continuous assessment tests (CATs) comprised two mid-Semester and one end semester assessments and contributed 30% of the final score at the end of the year. End of year results in the Sept-May and May-December classes are shown below:

Table 1: EYE performance passes in the different programs shown below:
(c) Mentorship
Each faculty mentored groups of 15-20 students. The times during which they were available for this activity were prominently displayed in the faculty offices. This arrangement allowed us to unearth the explanations for student absenteeism and falling academic performance.

(d) Facility Improvement
We were able to create additional two offices from the former mortuary office. The lounge area, the merchandise shop and the duty house were all completed to add ambience and convenience at the mortuary. Other highlights of the year included the acquisition of the new bus for hearse services at the CFP and a Toyota Landcruiser to be used for departmental and CFP errands. The 50-seater classroom adjacent to the parking area is expected to complete in 2014.

(e) Advances in Curriculum

(i) New and updated program
The following curricular are under development. They await discussion at stakeholder for a before processing for Senate and CUE approvals in 2014:

(i) Intercalated MSc Anatomy

(ii) Intercalated PhD Anatomy

(iii) Diploma in Mortuary Science and Practice
(ii) Honors program

The intercalated BSc program continued to identify top students in their first year of medical school and take them through a mentorship and research program to unearth the talents within. In the 2012-2013 year recruited four students into the program:

1. Isaac Bukindo - Research project: *Regional Topography and Structure of the Internal Carotid Artery*

2. Mercy Gakii - Research project: *Sexual Dimorphism of the Structure and Biomechanical properties of the Anterior Longitudinal Ligament at the Lumbosacral Junction*


4. Patricia O. - Research project: Age Related Changes in the Structural Organization of the Esophageal Gastric Junction

They posted excellent results (two first class honors and two upper second class honors). Quality of research from young minds. Research work from BSc Anatomy program again got excellent reviews from Prof. Amadi (University of Witswatersrand) and Dr. Buwembo (Uganda). A product of the program, Hemedi Albusaidy was awarded at the 50th University graduationlumni continue to link with the department.

(iii) MMed Surgery Class

Over 50 students who joined different Masters in Surgery and OMF programs reported to the department in September 2012. They completed the course in August and posted good results:

During the year, the Masters students were keen in mentoring the undergraduate class during dissections. We enjoyed their interactions during the Friday 7.00 am research clinic sessions.
(iv) MSc and PhD Anatomy
During the academic year we had five students six students and staff pursing MSc and PhD Anatomy. Drs. Pulei, Beda and Obimbo have submitted their work and are awaiting the defense. The department wishes them the very best.

(f) New initiatives & Technology
The Kimani’s text and atlas project in histology quite advanced. We thank Dr. Kevin Ongeti for his tireless efforts in bringing the team to complete the work. The textbook is due for publication in February, 2014. The academic staff have also completed the online modules in histology. These are awaiting external peer reviews before launching soon after. Installation of Gross Anatomy and histology laboratories with LED screens for digital teaching has been commenced and progressing well. The department is also in the process of acquiring a HD camera system to facilitated digital teaching. The 50-seater classroom for courses introduced at the NSSC and others is slated for completion in 2014. The Department held (2) courses at the NSSC (i) Abdomen and Pelvis Surgical Anatomy course between 5th and 7th March 2014 (ii) Basic Surgical Skills course between 7th and 8th March 2014.

(g) Staff development

(i) New staff
The total staff complement is 18. Dr. Kigera joined the academic unit, Jacinta Waciuri and Joseph Mwangi joined the technical team, while Aosa (driver) Kamau and Chebii joined the team at the Chiromo Funeral Parlour.

(ii) Staff on the move
Mr. Muita, our driver for over 30 years retired and we wish him the very best. Dr. Kaisha was promoted to senior lecturer. Prof. Saidi was reappointed Associate Dean, School of medicine. He was also elected chairman of the Surgical Society of Kenya while Dr. Awori was elected his deputy. Joseph Mwangi completed his studies at Kenya Methodist University; Judy commenced study at Jomo Kenya University of Agriculture
Technology; Sara rejoined Kenya University; Murunga joined Technical University of Kenya.

Drs. Anne Pulei and Dr. Kevin Ongeti were admitted to the MMed OB/Gy and MMed Ortho courses respectively at the school of medicine, UON.

(iii) Recognition and awards
At the 2\textsuperscript{nd} pre-clinical awards ceremony held at the Sarova Panafric Hotel, Nairobi, the following members of staff were awarded for exemplary service and performance in the domains of teaching, research, supervision, service and skills development:

(i) Dr. Beda Olabu - Teaching and mentorship
(ii) Mr. Martin Inyimili - Technical support and self-improvement
(iii) Ms. Catherine Chinga - Administrative support
(iv) Prof. Hassan Saidi - Research, scholarship and project supervision

(iv) Faculty evaluation
Students got another chance to rate their instructors and professors on professionalism, knowledge, presentation skills, interaction with students and communication skills. The results were shared with the teachers. The mean score at the end of the year was 83\% out of 5.

(h) Scholarly and creative activities
Over 30 research articles published by academic and technical members of staff who also attended and presented at various scientific conferences and other academic fora.


2. Fawzia Butt, Guthua S W, Edalia B, TRANSORAL RETRIEVAL OF A DISPLACED MANDIBULAR TOOTH IN THE PARAPHARYNGEAL SPACE: A PATIENT WITH CLINICAL UNUSUAL FINDINGS VARIANT ANATOMY OF THE RIGHT PORTAL VEIN IN A BLACK KENYAN POPULATION
3. Jeremiah Munguti, Paul Odula, Kirsteen Awori, Julius Ogeng’o and Mercy Sammy, **VARIANT ANATOMY OF THE RIGHT PORTAL VEIN IN A BLACK KENYAN POPULATION**

4. Paul Bundi Karau, **SUPERNUMERARY RIGHT RENAL VEIN DRAINING INFERIOR TO THE MAIN RENAL VEIN: A CASE REPORT AND REVIEW OF THE LITERATURE**

5. Ogeng’o J, Mwachaka P, Olabu B, Ongeti K, **AGE CHANGES IN THE TUNICA INTIMA OF THE AORTA IN GOAT (Capra hircus)**

6. Kirsteen O Awori, Kevin Ongeti Martin I. Inyimili, **DOES THE PATTERN OF INNERVATION OF BRACHIALIS BY THE MUSCULOCUTANEOUS NERVE INFLUENCE THE PRESENCE OR ABSENCE OF THE RADIAL NERVE CONTRIBUTION?**

7. Khizra S. Shah, Fawzia M.A. Butt, Elizabeth A.O. Dimba, **CALCIFYING EPITHELIAL ODONTOGENIC TUMOR (PINDBORG TUMOR).**

8. Duncan Mwangangi Matheka1, **PATTERN, KNOWLEDGE AND PRACTICES OF HBA1C TESTING AMONG DIABETIC PATIENTS IN A KENYAN TERTIARY REFERRAL HOSPITAL**

9. J Munguti1*, M Sammy2, **MECHANISMS OF TUMOUR METASTASIS: ANATOMICAL MIMICRY?**

10. Kevin W. Ongeti, Julius A. Ogeng’o, Anne N. Pulei, Beda O. Olabu, Catherine N. Gakara, **BLOOD PRESSURE CHARACTERISTICS AMONG SLUM DWELLERS IN KENYA**

11. Kevin Ongeti*, Julius Ogeng’o, Christopher Were, Catherine Gakara, Anne Pulei, **PATTERN OF CONGESTIVE HEART FAILURE IN A KENYAN PAEDIATRIC POPULATION PATTERN OF GENDER BASED VIOLENCE IN NAIROBI, KENYA**

12. Jeremiah Munguti; Paul Odula; Kirsteen Awori; Mercy Sammy, **HISTOLOGICAL ORGANIZATION OF THE PORTAL VEIN: A STRUCTURAL ADAPTATION**

13. Kevin Ongeti, Hassan Saidi, Julius Ogeng’o, **STRUCTURAL ORGANIZATION OF THE HUMAN COMMON CAROTID ARTERY**
14. Julius A. Ogeng’o, Kevin W Ongeti*, Justus Kilonzi, Philip Maseghe, Acleus Murunga, Judith Machira and Esther Mburu, **LUMINAL DIMENSIONS OF LEFT ANTERIOR DESCENDING CORONARY ARTERY IN A BLACK KENYAN POPULATION**

15. Julius ogeng’o, Kevin Ongeti, Musa Misiani, Beda Olabu, **MAINTAINING EXCELLENCE IN TEACHING OF HUMAN ANATOMY: UNIVERSITY OF NAIROBI EXPERIENCE**

16. Mahajan D, Agnihotri G, **A RARE CASE OF CYSTIC ARTERY ARISING FROM GASTRODUODENAL ARTERY**

17. Larry Wangai, Pamela Mandela, Fawzia Butt, Kevin Ongeti, **MORPHOLOGY OF THE MANDIBULAR CONDYLE IN A KENYAN POPULATION**

18. Julius A. Ogeng’o, PhD, Moses M. Obimbo, MSc., **PROFILE OF CONGENITAL LOWER LIMB DEFECTS IN A RURAL KENYAN HOSPITAL AND LITERATURE REVIEW**

19. Kevin Ongeti*, Julius Ogeng’o, Christopher Were, Catherine Gakara, Anne Pulei, **PATTERN OF GENDER BASED VIOLENCE IN NAIROBI, KENYA**

20. Fawzia M A Butt, Antoine Ikito, Mark L Chindia, Elizabeth Dimba, **IPSILATERAL SYNCHRONOUS MANIFESTATION OF AN HIV-INFECTION ASSOCIATED PLUNGING RANULA AND SUBLINGUAL SALIVARY GLAND SIALOCOELE: A REVIEW AND CASE REPORT**

21. Magoma, G.1*, Ogeng’o, JA.2 and Awori, K.3, **MORPHOMETRY OF THE PELVIC URETER**

**Staff Welfare**

The academic staff had a successful retreat at the Great Rift Valley lodge in Naivasha while the technical staff retreated at the Blue Post hotel in Thika. Earlier in the year a team activity for academic, technical and CFP staff was organized at the KCB centre, Karen Nairobi where members enjoyed each others company and visited the value of a team.

The activities of the three departmental welfares (HUMANA, HATSWA, HAASWA) were low key. Total amounts to each of the welfares from CFP average of 74,000/+ per month while that from module II apportionments averaged 490,000 per semester for HATSWA and 2,6117,806 per semester for HUMANA.
(j) **Reaching out**

**(i) The anatomy journal**

2nd and 3rd issue of the Anatomy Journal of Africa published. In this journal, faculty share their scholarly work and research with anatomists and scientist external to the department.

**(ii) The surgery journal**

The Annals of African Surgery journal is the official journal of surgical society of Kenya. Its founding editor in chief is Prof. Saidi and the current deputy editor is Dr. James Kigera. It has been an important outlet for some of the scientific work produced in the department.

**(iii) The Chiromo Funeral Parlor (CFP)**

We continued to enhance the ambience and convenience CFP can offer to the discerning client. The network infrastructure and automation is being upgraded and installed respectively. The staff loyalty is at its highest currently. Beautification and landscaping along the Chiromo river is targeting aesthetics while the Mortuary science and Practice course continue to attract many who value what we are trying to do in improving the standards of mortuary practice in the country.

**(k) Income generation**

CFP gross annual revenues improved to 36 million shillings. Coffin sales picked up (from 6 to 20) every month. Income from the skills lab for the year totaled 981,448.75 shillings

Income from other sources amounted to 1,110,000.00 shillings.

**(l) Governance**

The Department is structured under the following sections and committees for service delivery: Chairman’s office, Chief technician’s office, Gross Anatomy, Histology, CFP, Photography, Transportation; Mortuary, CFP Committee, Academic committee, Space improvement and infrastructure committee.
We reorganized the structure at the CFP to improve on processes and deliverables.

**Conclusion**

The department has continued to deliver on its objectives in line strategy. The staff and students have been key this. As usual, the University administration and industry support have been invaluable.

Thank you.

Prof. Saidi Hassan  
Chairman, Department of Human Anatomy.