



UNIVERSITY OF NAIROBI

CITATION ON

PROFESSOR JULIUS ALEXANDER OGENG'O

ON HIS CONFERMENT OF

THE DEGREE OF

DOCTOR OF SCIENCE IN HUMAN ANATOMY

OF THE

UNIVERSITY OF NAIROBI

ON

19TH MARCH, 2018



Prof Julius Alexander Ogeng'o
BSc, MBChB, PhD, MD

OUTLINE

1. Education
2. Career Path
3. Research
 - 3.1 Publications
 - 3.2 Partnerships and Collaboration
 - 3.3 Advancement of Knowledge
 - 3.4 International Standing
4. Teaching and academic mentorship
5. Recognitions and Accolades
6. Management and Administration
7. Membership in Professional Societies
8. Family and Social life.
9. Community Participation and Leadership

1. EDUCATION

Julius Ogeng'o has a verifiable and credible educational history characterized by outstanding performance. He studied, and was top student at Buduma Primary (1969 - 1975), Kakamega (1976 - 1979) and Alliance (1980 - 1981) High Schools. He joined the University of Nairobi's Faculty of Medicine and studied Medicine [1983 - 1989] where he excelled in Human Anatomy. Consequently, in 1985 - 1986 he pursued the intercalated Bachelor of Science degree in Human Anatomy and graduated with honors. In 2005 - 2008, he studied for PhD in Human Anatomy, finishing within 3 years with a thesis backed by 13 peer reviewed publications. In 2011 – 2014, Prof. Ogeng'o undertook a postdoctoral Doctor of Medicine (MD) by a thesis with 25 publications. In 2014 – 2016 he assembled his work and wrote the thesis for the Doctor of Science degree.

2. CAREER PATH

Julius Ogeng'o has had an illustrious career path characterized by patience, humility and gusto. In 1982-83, he worked as an untrained High School teacher. During the same period he was engaged as a farm worker and miscellaneous trader in cotton and sugar cane in his

home town of Bumala in Busia County. In 1986, he was recruited as a Graduate Assistant in the Department of Human Anatomy, University of Nairobi, where he served as a part – time demonstrator until 1990. In 1989 – 1990, Dr Ogeng'o served as a medical officer intern at New Nyanza Provincial General Hospital, Kisumu and shortly as a medical officer at St. Joseph Hospital, Nyabondo in Nyakach. In December 1990, he was appointed Assistant Lecturer in the Department of Human Anatomy. He was promoted to Lecturer in 1995.

Between 1991 and 2004, Dr. Ogeng'o took off a few hours to work as a part – time private medical practitioner in several clinics in Nairobi. During that time, Dr. Ogeng'o would occasionally take short leave to instruct at Pennsylvania School of Medicine and Pennsylvania College of Podiatric Medicine in Philadelphia, USA. Between 2008 – 2011 he also taught part – time in several local private Universities.

He was promoted to Senior lecturer, in 2008; Associate Professor in 2011 and Professor in 2016. He delivered his Inaugural Lecture in November, 2017. During all this time, and in all the places, Ogeng'o has taught Topographic, Microscopic, Developmental and Comparative anatomy to undergraduate and postgraduate students.

3. RESEARCH

Prof. Julius Ogeng'o has a consistent research record. He started his research career 33 years ago as a medical student in 1985. His main areas of interest are anatomical variations, cardiovascular pathology, vascular anatomy, general histology and neuropathology.

PUBLICATION

Ogeng'o is a prolific author. He has published over 270 articles comprising the following: a) 184 full peer reviewed articles and several abstracts in local and international journals; b) 47 General Health Education articles in local magazines, c) 34 conference presentations d) 3 Doctoral theses and 6 project papers. e) Several books and book chapters. The thesis which he is presenting today is based on over 100 peer reviewed full journal publications.

3 PARTNERSHIPS AND COLLABORATIONS

Julius Ogeng'o has established functional International research linkages and partnerships which have led to collaborative research, for example the landmark study on Alzheimer's Disease in African populations. He is currently involved in the collaborative Japan – Kenya

- Nigeria NARESSA Stroke study. Locally, he has linkages and partnerships with several private and public hospitals.

3.1 ADVANCEMENT OF KNOWLEDGE

Prof. Julius Ogeng'o has made a distinct and significant contribution to advancement of knowledge in the following 5 key areas:

3.2.1 Occurrence of atherosclerosis among black Kenyans:

His works provide the first published clinical and histopathological evidence for existence of the disease and constitute the largest pool of baseline literature on the characteristics of atherosclerotic diseases; namely stroke, myocardial infarction, aneurysms and peripheral vascular disease from Eastern and Central Africa.

3.2.2 Anatomical Risk Factors for atherosclerosis:

The concept of anatomical risk factors has only recently emerged and the scanty literature was confined to coronary and carotid arteries. Ogeng'o's publications provide the first structural evidence from coronary, carotid, femoral and renal arteries of asymptomatic individuals.

3.2.3 Anatomical variations of arteries: Ogeng'o has published the largest collection of anatomical variations of arteries among black Africans. He has described degrees of terminal branching hitherto undocumented except as occasional case reports and demonstrated their relationship with atherosclerosis. These publications constitute a catalogue of variations that underscore the clinical significance of human vascular variability.

3.2.4 Structure of the Aorta: Ogeng'o's studies demonstrated, for the first time, as a major deviation from the conventional model of a uniform structure of medial lamellae units and musculoelastic fascicles, that in some mammals the aorta is a heterogeneous organ that display qualitative and quantitative regional and zonal variations. These findings underpin the aorta as a model for further studies on atherosclerosis and other vascular diseases.

3.2.5 Alzheimer's Disease in Africa: Ogeng'o's publications were the first neuro - histopathological description of Alzheimer's Disease among black Kenyans and demonstration of existence of its genetic risk factors. This was shown at a time

when it was believed that AD was rare or non-existent in Africa.

3.2 INTERNATIONAL STANDING

Julius Ogeng'o's seminal works, which are very frequently cited, have given him strong International Stature that makes him a true world class scholar. A few examples include the following;

3.2.1 The anatomical works have received approval of anatomical associations and societies of Britain, Ireland, Australia, Poland, Spain, Brazil, Chile and North America.

3.2.2 The pathology and clinical components have also been acknowledged by American Association for thoracic surgery, Japanese and Belgian Colleges of Cardiology; International Society of Neuropathology and International stroke Society.

3.2.3 Some of the publications have received International accolades. For example, a) "The manuscript by J.A Ogeng'o and colleagues is an important contribution to our understanding of human brain aging in general and Africans in particular" [Dickson, 1996] b) "The natural history of hypertensive kidney disease in Africa will be answered by

future investigators inspired by the work of Ogeng'o et al" [Tedla and Salifu, 2011] c) The paper titled "Variant anatomy of the uterine artery in a Kenyan population" received John J Sciarra IJCO Prize paper Award – Honorable mention 2010 as the best Clinical Research Article from a Low and Middle Income Country.

4 TEACHING AND ACADEMIC MENTORSHIP

4.1 Ogeng'o has trained and mentored thousands of undergraduate and postgraduate students and supervised over 60 theses and dissertations in Human anatomy including 10 for PhD and 5 for Masters. He has, and continues to mentor faculty in various Departments in the College of Health Sciences and others

4.2 Prof. Ogeng'o has been a key pillar in establishment of virtually all Human Anatomy laboratories in public and private universities in Kenya.

4.3 He is the author of the Dissection manuals and texts used in those schools; and the OG Anatomy.org, one of the best online Human Anatomy learning resources in the world.

4.4 He has and continues to serve as external examiner in many Universities, and has examined many Masters and PhD theses.

5 RECOGNITIONS AND ACCOLADES

Julius is a recognized and acknowledged Human Anatomist. He has twice received Dean's award for excellence in teaching, student mentorship and research; and Vice Chancellor's commendation as the most prolific professor in 2011. He has also received the John Isciara Prize for the best clinical Anatomy article from Low and Middle Income Countries.

6 MANAGEMENT AND ADMINISTRATION

Prof. Ogeng'o is a seasoned and experienced manager and administrator well versed with the regulatory, administrative and operational frameworks for management of Academic Programmes. Between 1994 – 2004, Julius Ogeng'o served as the course coordinator of Human Anatomy for all the programmes. Dr. Ogeng'o served as the

Chairman of the Department of Human Anatomy between 2004 and 2011. He also served, in acting capacity, as Associate Dean School of Medicine in 2010 - 2011. Prof. Ogeng'o was the Managing Director of the University of Nairobi Enterprises and Services (UNES) between 2011 – 2015. He is the founding Director of the Center for Self Sponsored Programs (CESSP). He has served, and continues to serve on several policy and strategy formulation management committees, most of which he has been the Chairman. Prof. Ogeng'o has attended and participated in many management and leadership trainings, seminars and workshops.

7. MEMBERSHIP AND LEADERSHIP IN PROFESSIONAL SOCIETIES

Julius Ogeng'o is a founder member of the Society of Neuroscientists of Africa (SONA); former Secretary General of Kenya Society of Neuroscientists (KSN), a member and former treasurer of the Kenya Physiological Society (KPS). He is also a member of several Pan African professional organizations and Associations.

8. FAMILY AND SOCIAL LIFE

Julius Ogeng'o has a rich wholesome social life. He was born on 26th December, 1961 in Busia District. He is the first of 8 children and is married with two adult children. He is spiritual, a practicing Christian and enjoys jogging, travelling, site seeing, watching wildlife and listening to African rhumba and gospel music.

9. COMMUNITY PARTICIPATION AND LEADERSHIP

Julius Ogeng'o actively participates and offers leadership in the community. Julius is a member of several Development and Welfare groups. He has been involved in championing community Development, youth and women empowerment campaigns in his home subcounty of Butula in Busia. Ogeng'o has been Chairman of Bumala Development and Ebumarachi Development and Welfare Associations where he spearheaded establishment of Churches, Primary and Secondary schools in Busia County. He has, and continues to serve on, and chair Secondary School Boards of Management.