



MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES

MUHAS

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The Vice President, Hon. Samia Suluhu Hassan (seated at the centre), in a group photo with the Minister for Health, Hon. Ummy Mwalimu (2nd left), Deputy Minister for Education, Hon. William Olenasha (2nd right), the CMO, Prof. Mohammad Bakari (right), the VC, Prof. Adrea Pembe (left), the Deputy Permanent Secretary Science, Prof. James Mdoe (standing far right) together with MUHAS Management during the Vice President's visit at Mloganzila Campus.

THE VICE PRESIDENT CONGRATULATES MAMC FOR HIGH QUALITY SERVICES



The Dean of School of Dentistry, Dr. Elison Simon showing the Vice President, Hon. Samia Suluhu, some of the modern medical equipments that are used in providing services at the dental clinic at MAMC.

The Vice President of United Republic of Tanzania, Hon. Samia Suluhu Hassan applauded the management and staff of MUHAS Academic Medical Centre (MAMC) for their efforts in tackling different challenges encountered to ensure provision of quality services to the people.

The Vice President said this during her visit to MAMC on the 9th June, 2018 to see the progress of the hospital in service provision since the official opening in November 2017. Speaking after the tour around the hospital, Hon. Samia Suluhu Hassan said she is pleased with what she has seen in terms of services and the whole environment of the hospital. She commended the step by step growth of the hospital since the official opening.

The Vice President further said that she was very impressed to see young people dedicated in their fields working very hard in the midst of different challenges to provide health services to Tanzanians. She commended them for their work. In addressing some of the challenges that MAMC is facing, Hon. Samia Suluhu Hassan promised to oversee the

implementation of the first phase power line dedicated for the hospital only which will not be interrupted by other users. This will ensure power availability all the time and therefore protect the medical equipment installed at the hospital and also ensure smooth service delivery.

Speaking earlier the Minister for Health, Community Development, Gender, Elderly and Children, Hon. Ummu Mwalimu told the Vice President that the presence of MAMC has been very helpful in reducing congestion at the Muhimbili National Hospital.

Hon. Ummu Mwalimu further promised that her Ministry will continue to work together with MAMC in ensuring that all services that are offered here are of highest quality but also in establishing new specialized services and providing training opportunity for employees.

Earlier on, the Deputy Minister for Education, Science and Technology, Hon. William Ole Nasha said that during the six months period since the official opening, MAMC has continued

to grow in a satisfying pace and also has strengthened the services. He said that the number of in and out patients has tremendously increased together with specialized services that are provided.

Hon. Ole Nasha further said MAMC has already begun to be used for training of undergraduate and postgraduate MUHAS students. He said that in this period of six months 350 students have received training for medical doctors and specialization in different medical fields.

In welcoming the Vice President to MAMC, the MUHAS Vice Chancellor Prof. Andrea Pembe said that since the soft opening of the hospital which took place on the 18th September 2017 until the end of May 2018, more than 25,000 out patients and more than 2000 in patients have been attended at MAMC



The Vice President, Hon. Samia Suluhu, comforting a child who was admitted at MAMC during her visit at Mloganzila campus

THE PERMANENT SECRETARY FOR HEALTH INAUGURATES HAEMODIALYSIS SERVICES AT MAMC

The Permanent Secretary for Ministry of Health, Community Development, Gender, Elderly and Children, Dr. Mpoki Ulisubisya inaugurated haemodialysis services at the MUHAS Academic Medical Centre (MAMC).

Speaking during the inauguration ceremony, Dr. Mpoki emphasized on the importance of this service by giving statistics which shows increase of kidney diseases worldwide particularly in southern parts of the Sahara Desert. He stated that the estimation shows that there are 7 to 10 kidney patients in every 100 people and also by 2030, in every 100 kidney patients in the world, 70 patients will be from Sub-Saharan countries including Tanzania.

The Permanent Secretary for health further explained that MAMC haemodialysis unit has 12 haemodialysis machines which means it has the capacity of handling more than 10,000 patients in a year including infectious and non infectious patients. He further said that this

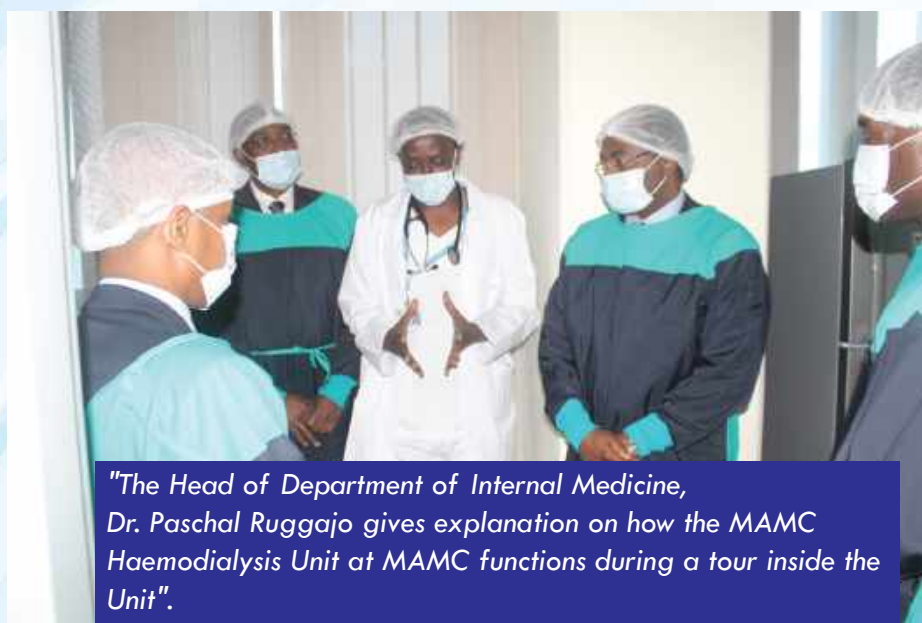


The Permanent Secretary for Health, Dr. Mpoki Ulisubisya, cutting the ribbon to inaugurate the haemodialysis services at MAMC. Standing with him are the Permanent Secretary for Education, Dr. Leonard Akwilapo (2nd right), the Acting VC, Prof. Appolinary Kamuhabwa (3rd left), the DVC-HS, Prof. Said Aboud (2nd left), the Head of Department of Internal Medicine, Dr. Paschal Ruggajo (far right) and the Head of Outpatient Department, Dr. Rose Minja (far left).

Unit will also provide continuous education to doctors and also will spearhead researches which will provide guidelines for treatment and also improving policies for treatment of kidney diseases in the country.



The Permanent Secretary for Health, Dr. Mpoki Ulisubisya speaks with the media immediately after the inaugurating the Haemodialysis Unit at MAC.



"The Head of Department of Internal Medicine, Dr. Paschal Ruggajo gives explanation on how the MAMC Haemodialysis Unit at MAMC functions during a tour inside the Unit".

The Permanent Secretary further explained that on top of training, research is also very important to identify sources of kidney problem and provide guidelines for kidney treatment in the country. Therefore, Dr. Akwilapo said, Renal Research Group parallel with Kidney biopsy services will also be inaugurated in this event.

Speaking about MAMC services, the Acting Vice Chancellor,

Furthermore, Dr. Mpoki congratulated the MAMC management and staff for the great accomplishments in services provision as well as training of students in the short period of six month since the official opening of the hospital on November, 2017.

In this ceremony, the Permanent Secretary, Ministry of Education Science and Technology, Dr. Leonard Akwilapo highlighted that training for Nephrologists in Tanzania begun in 2007 at Muhimbili University of Health and Allied Science in collaboration with the University of Bergen (Norway) and University of CMC-Vellore (India). Dr. Akwilapo said up to now, ten Nephrologists have graduated, which included eight from Tanzania, one from Uganda and one from Ethiopia.

Prof. Appolinary Kamuhabwa said since the soft opening of the hospital on 18th September, 2017 until the end of April, 2018, a total of 20,250 out patients and 1,785 in patients have received treatment at MAMC.

Prof. Kamuhabwa, appreciated the government efforts in making sure that quality specialized treatment are widely available in the country and he also appreciated all MAMC staff in all their efforts in realizing the MUHAS goal.

MUHAS LAUNCH EMERGENCY MEDICINE BOOK FOR MEDICAL STUDENTS IN THE COUNTRY



From left the Head of Emergency Medicine department, Dr. Hendry Sawe, the Acting Deputy Vice Chancellor, Academic, Research and Consultancy, Prof. Andrea Pembe, the Associate Dean, School of Medicine, Dr. Erasto Mbugi handing over the EM book to a MD student (in white shirt).

Muhimbili University of Health and Allied Sciences (MUHAS) has launched an Emergency Medicine book titled “Basic Principles of Emergency Medicine”, which was developed to cater for the needs of undergraduate Doctor of Medicine (MD) students in the country.

According to the MUHAS Head of Emergency Medicine department, Dr. Hendry Sawe who also is the main author of the book, this book will standardize reading, training and evaluation of medical students in Tanzania when undergoing emergency medicine training.

Before this book, Dr. Sawe said, students used PowerPoint lectures, and other scattered resources including emergency medicine books from internet as reading materials which resulted in unsystematic approach to reading. This brought challenges to both

understanding, and evaluation of knowledge.

Speaking before launching the book the Acting Deputy Vice Chancellor, Academic, Research and Consultancy Prof. Andrea Pembe (currently the Vice Chancellor) commended the authors and said that with this book medical students can acquire knowledge, skills and good attitude in emergency medicine and by doing that they will be able to care for patients which is the main goal.

Giving the history of Emergency Medicine (EM) in the country which led to this book, Dr Sawe said "Emergency Medicine specialty is relatively new in Tanzania, it started in 2010 with a launch of first intake of postgraduate students at MUHAS and still it is the only EM specialty training in Tanzania".

Dr Sawe said although there are several emergency medicine books from international authors, these books do not take into account our local settings. Besides, most of these books are quite expensive and are not readily available in the country.

"Due to this historical background and need, we decided to develop a book that will cater for local needs and curriculum, and also be readily available for use. This will also provide an opportunity to update the book whenever a need arises", he added.

This book will be very useful to all new MD and clinical Students in Tanzania and East Africa (as we share most of curriculum) to their training. "I have so far been approached by colleagues in Uganda who want to have the book, curriculum and possibly see if they can adopt", he added.

Moreover, prior to 2014, the curriculum for MD students did not have emergency medicine component hence created a gap in knowledge and practice upon graduation. The introduction of dedicated training on emergency medicine within the Doctor of Medicine curriculum created a need for resources to cater for the local environment and facilitate understanding.

"In the current curriculum, MD students have five weeks rotation focusing only on emergency medicine. Due to this curriculum modification, a need was felt to have a customized reading material for their reference", he added.



Member of the Emergency Medicine Department in a group photo with Acting DVC-ARC, Associate Dean, School of Medicine and MD students during the launching of the book titled Basic Principles of Emergency Medicine

MAMC CONDUCTS WORKSHOP ON PROFESSIONALISM FOR POSTGRADUATE STUDENTS



From left, the Director of Continuing Education and Professional Development, Dr. Doreen Mloka, the Acting Director of Postgraduate Studies, Dr. Emmanuel Balandya, the DVC-HS, Prof. Said Aboud and The Acting Director of Medical Services, Dr. Hendry Sawe during the workshop on professionalism for postgraduate students

MUHAS Academic Medical Centre (MAMC) conducted a workshop on professionalism for postgraduate students on the 27th April 2018.

Speaking during the workshop, the Deputy Vice Chancellor - Hospital Services, Prof. Said Aboud commented that; "at MAMC we have committed ourselves that we are going to provide patient centred care which is different from other care that are provided by other hospitals of similar levels therefore highest quality care is required to achieve this goal".

He further highlighted that postgraduate students form an important workforce at MAMC since this is a teaching hospital therefore it is important to ensure that they are

providing good customer care and quality services to the patients and also they are communicating accurate information, all these with the aim of achieving a patient centred care goal.

"The importance of communicating accurate information to the patients as well as the relatives of the patients cannot be overemphasized, it is better not to communicate and refer the patients or relative to the appropriate person so they can get accurate information than give inaccurate information," Prof. Aboud added.

Earlier on, the Director for Postgraduate studies Dr. Emmanuel Balandya stressed that MUHAS takes professionalism very serious and the training is a continuous



Dr. Francis Furia speaking with postgraduate students during the workshop on professionalism.

process. He said that it was conducted to all postgraduate students during orientation and undergoing through ethics training in the first semester. "Since it is continuous, we thought it is important to have this workshop at this transition period from basics sciences to clinicals" he added.

The Director for Postgraduate Studies told the participants of the workshop that it is more important and significant how they care for the patients than what you know. "We may not be able to cure everyone but we can transform their lives by the way we interact with them", he clarified.

The Acting Director of Medical Services said this training is on professionalism for health cadres and it focuses on how to operate professionally as per the codes of conduct. "This training is important as we are dealing with human beings, meaning patients, and is dedicated to postgraduate students only since most of them are leaders to be in their respective fields" he explained.

PROF. ELIANGIRINGA KAALE WIN COSTECH RESEARCH GRANT

The MUHAS Department of Medicinal Chemistry in the School of Pharmacy under the leadership of Prof. Eliangiringa Kaale has won the Tanzania Commission for Science and Technology (COSTECH)'s research grant to support Research Infrastructure.

The amount of the Grant is TZS 399,470,000 and will be used to Strengthen Research Infrastructure in Drug Discovery Design and Development at Muhimbili University of Health and Allied Sciences (MUHAS).

The facility will also be used by students in pharmaceutical sciences at both undergraduate and post graduate levels to

have hands on practical training learning in support of industrial manufacturing in Tanzania.

The awarding ceremony for this grant took place on 25th May, 2018 at COSTECH in Dar es Salaam and was officiated by Honorable Minister Prof. Joyce Ndalichako (MP), the Minister for Education, Science and Education. During the ceremony, the Minister congratulated MUHAS for this achievement.

Many congratulations to the Department and Prof. Eliangiringa Kaale in particular for this achievement.

MAMC PROVIDES OPHTHALMOLOGICAL SERVICES TO COMMEMORATE DAY OF THE AFRICAN CHILD

The Department of Ophthalmology of Muhimbili University of Health and Allied Sciences (MUHAS) through MUHAS Academic Medical Centre (MAMC) commemorated Day of the African Child at TANESCO ground, Kinyerezi by providing Ophthalmological services to children.

Speaking at the event, the MUHAS Lecturer, Dr. John Kisimba said that in commemorating Day of the African Child, the Ophthalmology department is committed to provide education to parents and children especially on eye



Dr. Ally Omari inspecting a little child's eyes after receiving details from the mother



Dr. Nicholas Benedicto explaining to a young boy a proper way of administering eye medicine after he has received treatment.



Patients waiting in a queue to receive eye services in the MUHAS Academic Medical Centre's tent at TANESCO ground, Kinyerezi.

diseases.

"Through this exercise of providing services our students also get an opportunity to learn different things and we also get a chance to publicize services that are available at MAMC, Mloganzila," Dr. Kisimba added.

The department of ophthalmology provided different services including visual monitoring services, knowing the overall condition of the eye, spectrum tests especially for the

children who are in need of the glasses, pediatric care for the children and provision of medicine to children who did not have complicated problems. Children with severe problems were referred to MAMC for further diagnosis and treatment.

This commemoration of Day of the African Child at TANESCO grounds, Kinyerezi took place from 12th to 14th June 2018 where more than 200 children received optical care from the MUHAS department of Ophthalmology.

PROF. MANJI DELIVERS INAUGURAL LECTURES ON AUTISM AND MALNUTRITION



Prof. Karim Manji delivering Professorial Inaugural Lecture on Gaps in Knowledge, Prevalence and Care of Children with Autism in Tanzania



The Permanent Secretary, Ministry of Health, Community Development, Gender, Elderly and Children, Dr. Ulisubisya Mpoki following Prof. Manji's Inaugural lecture.

MUHAS Professor of Pediatrics and Child Health, Prof. Karim P. Manji delivered Professorial Inaugural Lectures on Gaps in Knowledge, Prevalence and Care of Children with Autism in Tanzania and on Severe Acute Malnutrition and Sepsis: A Double Edged Sword, recently at Muhimbili Campus.

These lectures were well received and therefore attracted many people in the health sector including the Permanent Secretary, Ministry of Health, Community Development, Gender, Elderly and Children, Dr. Ulisubisya Mpoki and the Director General of National Institute for Medical Research (NIMR), Prof. Yunus Mgaya.

Speaking during these lectures the Deputy Vice Chancellor, Academic, Research and Consultancy, Prof. Appolinary Kamuhabwa congratulated Prof. Manji for being able to achieve this highest honour in academia in delivering three Professorial Inaugural Lectures.

Prof. Kamuhabwa said Professorial Inaugural Lectures are supposed to be series of lectures given by Professors in Academia, within 3-5 years of their being confirmed as Full Professors. He said that for MUHAS, topics for Professorial Inaugural Lecture should be of public health importance and researched by the presenter with evidence of publications in peer review journals.

The Deputy Vice Chancellor - ARC further said that Prof. Manji has a wide experience in

clinical as well as public health aspects of Pediatrics and he is involved in several large scale clinical trials in Nutrition and Infectious diseases. "Professor Karim Manji is a seasoned researcher and has over 150 published papers in peer reviewed journals and 3 books to his credit", he added.

The Professorial Inaugural Lecture on Gaps in Knowledge, Prevalence and Care of Children with Autism in Tanzania was conducted on the 6th of June and was chaired by Professor



From right front row, the DVC-ARC, Prof. Appolinary. Kamuhabwa, the VC, Prof. Adrea Pembe, the Chairman of Inaugural Lecture Series 2, Prof. Gad Kilonzo and the Chairman of Inaugural Lecture Series 3, Prof. Charles Mgone listening to Prof. Karim Manji inaugural lecture.

Gad Kilonzo, a renowned Psychiatry and Mental Health professor. Furthermore, the Professorial Inaugural Lecture on Severe Acute Malnutrition and Sepsis: A Double Edged Sword was carried out on 20th of June, 2018 under the chairmanship of Professor Charles Mgone, a renowned Pediatrician and Medical geneticist, who is also the Chairman of the Convocation and President of MUHAS alumni.

MAMC CARRIES OUT A BLOOD DONATION DRIVE

MUHAS Academic Medical Center (MAMC) through the blood donation unit commemorated the blood donation day by conducting the blood donation drive targeting the Mkombozi Commercial bank employees and the JAMIYATULAKHLAAQUAL ISLAAM (JAI).

Speaking during the Blood Donation drive with Mkombozi Bank staff, the Chief Executive Officer of Mkombozi Bank, Mr. George Shumbusho said their institution recognizes the importance of blood donation, and therefore decided to commemorate this day by encouraging staff to donate



"The Managing Director of Mkombozi Bank Mr. George R. Shumbusho (right) participating in blood donation for MAMC".

blood to save the lives of Tanzanians who need it. In this occasion, Mkombozi Bank also donated one bed and 20 cooler boxes to assist during the blood donation exercises.

Moreover, during the blood donation exercise with JAI, Secretary General of the National JAI, Mr. Ramadan Majaliwa said one of their roles as an institution is to mobilize people in the streets, schools, colleges to donate blood for the needy.

"This came about after visiting several hospitals and saw the severe shortage of blood and therefore we decided to make this exercise our first priority", he added. Mr. Majaliwa promised that this exercise of donating blood at MAMC will be sustained as they are doing in other hospitals such as Temeke and Amana.

Speaking at the occasions, the Head of Blood Unit MAMC, Dr. Ivan Nyamhanga thanked Mkombozi Bank as well as JAI for donating blood at MAMC and encouraged them to continue doing so, to save people's lives. "As you know the need for blood is huge especially in this hospital since it is very new therefore, we extend our sincere gratitude for this noble act of donating

blood for the needy", Dr. Nyamhanga added.

The blood donation with JAI took place on 12th May 2018 at MAMC, Mloganzila and with Mkombozi Commercial Bank staff on 13th June 2018 at Msimbazi branch. In both exercises more than 80 units of blood were collected.



Mr. Antony Mnyambo from Mkombozi Bank handing over a bed and cooler boxes to the Head of Blood Unit at MAMC, Dr. Ivan Nyamhanga to assist in blood donation activities



JAI officials from all Dar es Salaam Regional Centers in a group photo with the MAMC Head of Blood Unit after donating blood at MAMC

DARTMOUTH AWARDED PROF. SYLVIA KAAYA A DOCTOR OF HUMANE LETTERS



Prof. Sylvia Kaaya receives a Doctor of Humane Letters honorary degree from Dartmouth

Prof. Sylvia Kaaya, a psychiatrist, researcher and Dean of the School of Medicine at Muhimbili University of Health and Allied Sciences (MUHAS) has recently been awarded an honorary doctorate degree by Dartmouth.

Prof. Kaaya was awarded a Doctor of Humane Letters in recognition of her outstanding achievements as a leader in psychiatric research on vulnerable populations in Tanzania. The award is based on her collaborative epidemiological research in perinatal depression among women with HIV and

without HIV, and in seeking to understand risky behaviour among adolescents. Moreover her studies focused on the development and evaluation of interventions for implementation at primary care level, that also have potential for scale up in low and middle income countries.

The University Management and the MUHAS Community congratulate Prof. Sylvia Kaaya for this well deserved recognition of her profound work as a researcher and leader in her field.

MPH STUDENTS AWARDED RESEARCH GRANTS FOR TB STUDIES

Two MUHAS students pursuing Master of Public Health programme in the School of Public Health and Social Sciences were awarded research grants to conduct research in Tuberculosis (TB) in Tanzania.

The students; Dr. Calvin Mwasha and Lucas Shugulu, each received a grant worth \$5000 from KNCV Tuberculosis Foundation (KNCV), an international

non-profit organization dedicated to the fight against tuberculosis (TB). The two candidates successfully submitted their proposals and were selected to be beneficiaries for such an award.

The Acting Director for Postgraduate Studies, Dr. Bruno Sunguya said that the studies that will be conducted by these two students will contribute to their academic program especially in building capacity for Thesis writing.

"They will have a privilege of being co-mentored by faculty at MUHAS and TB scientists in KNCV", he added.

The Acting Director said that this is the second batch of students in MUHAS to receive such research grants. The first batch have successfully defended their theses and graduated last year. They were also able to present their abstracts at two conferences, he added.



A group photo of MUHAS Management, KNCV officials and Postgraduate Students award winners.

The event took place on the 9th May 2018 at the Director of Research and Publication Board Room in presence of Acting Director for Postgraduate Studies, Dean of Students, Dean of the school together with few members from the School of Public Health and Social Sciences and KNCV representatives.

MUHAS CONDUCTS A SYMPOSIUM TO COMMEMORATE THE WORLD SICKLE CELL DAY



The MUHAS Management in a group photo with Sickle Cell Disease in Tanzania Team

Muhimbili University of Health and Allied Sciences (MUHAS) through the department of Haematology and Blood transfusion conducted a symposium to commemorate the World Sickle Cell Day on 22nd June 2018 at MUHAS Academic Medical Center (MAMC), Mloganzila campus.

In explaining about the Sickle Cell disease, the Head of Department of Haematology and Blood Transfusion and also the Principal Investigator of Sickle Cell Programme Tanzania, Prof. Julie Makani said despite the fact that this is a genetic disease, Hydroxyrea is a medicine that can significantly modify the spectrum of the disease.

However, Prof. Makani said that earlier this drug was not easily available in most countries in Africa including Tanzania.

"We are really pleased to announce that Hydroxyrea was made in the MUHAS School of Pharmacy and the dispensing was started two years ago", she added.

Prof. Makani further explained that there are ways you can cure Sickle Cell disease, one is by bone marrow transplant and the other is by gene therapy. She said that Sickle Cell Programme in Tanzania is aggressively looking at both of these as option for intervention. "For both bone marrow transplant and gene therapy we are hoping that MAMC will be the site to develop these two interventions and we will be able to actively take a lead as investigators and health care professionals in Tanzania", she added.



Prof. Julie Makani addressing participants during a symposium to commemorate the World Sickle Cell

Speaking at the event, the Acting Vice Chancellor Prof. Appolinary Kamuhabwa said that the University is pleased with the initiative to start a Sickle Cell program within MAMC which is integrated in the department of haematology and blood transfusion and later on with the aim of transforming this program in a Sickle Cell Disease Centre at the Mloganzila Campus. He said that this is very important and timely and commended Prof. Julie and her team.

In this event the Deputy Vice Chancellor responsible for Hospital services, Prof. Said Aboud encouraged the public to use MAMC for quality services that are provided by medical specialists and super specialists. He added that the hospital also have modern laboratory and medical equipment for diagnosis and treatment of various diseases.

DARDAR PROGRAMS AWARDED GRANT FOR INFECTIOUS DISEASE RESEARCH AND TRAINING

Muhimbili University of Health and Allied Sciences (MUHAS) through collaboration with Dartmouth's Geisel School of Medicine have been awarded USD 1.5 million grant from Fogarty International Center at the National Institutes of Health. This grant will help to support an infectious disease research and training program to combat HIV and tuberculosis (TB) within the newly established Infectious Disease Institute (IDI) at MUHAS.

This grant will build on already existing DarDar Programs established in 2001 as research collaboration between Geisel School of Medicine at Dartmouth and MUHAS. The program began with DarDar TB vaccine trial subsequently growing to include training programs (Dartmouth-Boston University Fogarty) and clinical care programs (DarDar Pediatric Program). The Principal Investigators for DarDar programs at MUHAS include Prof. Kisali Pallangyo (TB Vaccine trials); Prof. Ndeserua Moshi (HIV and hearing study); Dr.

Helga Naburi (Paediatric HIV care and treatment study); Prof. Muhammad Bakari (Tuberculosis Research Institute at MUHAS) and Prof. Mecky Matee (nutrition studies).

This grant is for a period of 5 years. It aims at creating a pool of healthcare professionals and researchers competent in conducting research, training, mentoring, and quality management of infectious and tropical diseases through the Infectious Disease Institute (IDI) at MUHAS.

MUHAS AND SUA RESPOND TO A RABIES OUTBREAK IN MOSHI DISTRICT

In the period between 29th April and 4th May 2018, students from Muhimbili University of Health and Allied Sciences (MUHAS) and Sokoine University of Agriculture (SUA) together with four faculty, joined a team from the Food and Agriculture Organization (FAO), Ministry of Livestock and Fisheries, Tanzania National Parks Authority (TANAPA), Moshi District Council, One Health Coordination Desk of the Prime Minister's Office and the Tanzania Veterinary Laboratory Agency (TVLA) to conduct mass dog vaccination and rabies outbreak investigation in Moshi District.

This was in response to reported cases of rabies in Moshi DC where a total of 7 people were reported to have been bitten by suspected rabid dogs between June 2017 and March 2018. Of the affected humans, 2 were reported to have died and 3 were still critically ill and under observation at that time. Moreover, during the same timeline, 5 cattle were reported to have been exposed to rabies and three had died. Health status regarding the remaining 2 cattle was not documented. Unfortunately, of the six dogs which were involved in rabies transmission only one could be confirmed as owned. It is however known that some communities in the district live in close proximity to wildlife areas and the District Veterinary Officer suspected the involvement of hyenas as a source of the disease and possibly other wild dogs.

Although the World Health Organization (WHO) recommends mass dog vaccination coverage of more than 70% of "at risk animals"

as the main control measure for rabies in both animals and humans, only 18% of the dogs had been vaccinated in previous rabies campaigns in the area.

This collaborative outbreak response activity is the first of its kind in Tanzania and was officially launched by the Regional Commissioner of Kilimanjaro Region, Hon. Anna Mghwira at the Kindi village in Rural Moshi District. Students from SUA pursuing Veterinary Medicine joined efforts with Doctor of Medicine and BSc. Environmental Health students from MUHAS to carry out the activity under guidance of faculty and other facilitators. Local veterinary officers and other district administrative officers such as Ward Executive Officers were among the team members reporting at the stations for conducting the exercise. Funding for the exercise was provided by USAID through FAO and OHCEA.

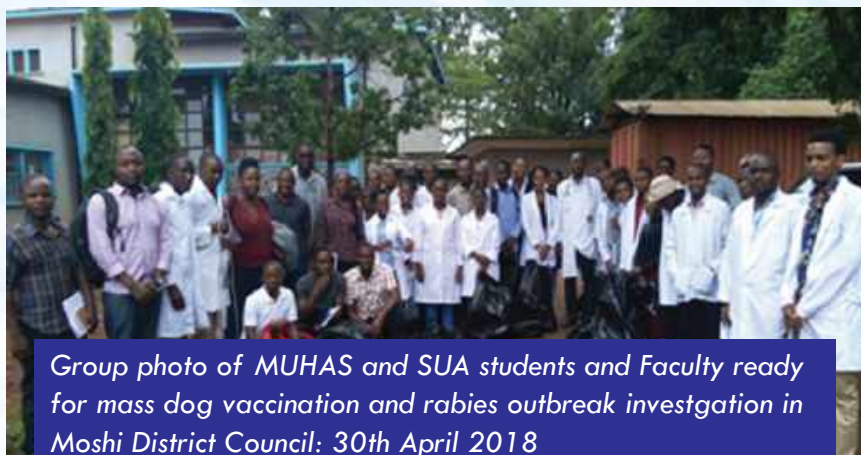
A total of 7,758 animals (6,701 dogs

and 1,057 cats) were vaccinated. Moreover, 322 sera and 322 saliva swabs were collected simultaneously from 322 dogs. By the time of this report the serum and saliva sample were being processed for serological and molecular testing to check for presence of anti-rabies antibodies and rabies antigen in dogs.

When discussing with dog owners they reported on the challenges facing them including the following; lack of awareness among dog owners on how to handle their dogs and inability to afford vaccination costs from livestock officials. When they were asked to propose solutions for increased uptake of Dog vaccination, participants recommended the following: increased awareness campaign to livestock keepers on issues of rabies; implementation of vaccination schedules as proposed by local veterinary officers while ensuring availability of vaccines at all time in veterinary offices; killing of stray

dogs; and enforcement of By-laws requiring all dogs to be vaccinated. On the other hand, it was reported by key players that there is negligence among some dog owners with regards to dog vaccination; high cost of vaccines per dose makes dog owners to cheat extension officers that they have vaccinated while it may not be true; availability of many stray dogs; some dog owners live away from veterinary officers' office and therefore creating delays for them to vaccinate their dogs; and the interactions between stray dogs and wild animals which may be reservoir of rabies virus.

This intervention was one of the success stories of One Health approach as it involved many stakeholders from various cadres and disciplines. As a way forward, Moshi DC has a plan to continue with vaccination activities for sometimes since the rabies vaccines stock was still available.



TWO MUHAS MD STUDENTS WON FIRST PRIZE IN THE MEDTECH COMPETITION IN GENEVA



From left, Gowtham (MD2), Shaukatali (Engineer) and Maryam (MD4) celebrating their victory immediately after being announced as winners

Two Muhimbili University of Health and Allied Sciences (MUHAS) Doctor of Medicine (MD) students have recently won a first prize in the MedTech Hackathon carried out by the European Organization for Nuclear Research (CERN), in Geneva, Switzerland.

CERN is one of the most hi-tech physics laboratories in the world from which different medical breakthroughs have happened such as the PET scan, used in cancer diagnosis. Furthermore, many other diagnostic equipment have been developed there as well.

In light of this, the Knowledge Transfer group of CERN held its first MedTech Hackathon Competition from the 5th to 9th of April 2018 to bring together the brightest minds from around the world to solve specific and current

global healthcare problems. A set of challenges was sent out through CERN's social media pages, which outlined the 6 different challenges and called for solutions to be sent in through 2-minute videos. Twenty five teams from around the world entered this competition, and from these, only five teams were invited to CERN to turn their ideas into working prototypes.

Among the teams selected was "Team2.7" from Tanzania, represented by Maryam Mohamedali, a 4th year MD student, Gowtham a 2nd year MD student both from MUHAS and

mechatronics graduate and Director of Robotech Labs in Dar es Salaam. This team addressed the challenge on "Mobile health field diagnostics" and came up with a small, handheld, portable and durable vital signs monitor, which can measure 5 of the most important vital signs: Oxygen saturation, pulse rate, blood pressure, respiratory rate as well as temperature. They called their invention "BOX.E".

Other teams were from Germany, Spain, Portugal and Hungary, each working on a different challenge. All teams then had to present their work to a panel of judges,

and compete with each other. Team Tanzania emerged as the winner with Germany being the runner up! They were thus awarded with a stay back at CERN to continue developing their prototype as well as a chance to present Box.e as a keynote presentation at the Opening Ceremony of the Geneva Health Forum on the 10th of April 2018. They were acknowledged by Naomi Yamamoto, the Assistant Director General of the WHO, who highly commended their leadership skills and creativity.

DEPUTY MINISTER FOR HEALTH INAUGURATES UNI LIFE CAMPUS PROGRAM AT MUHAS

The Deputy Minister for Health, Community Development, Gender, Elderly and Children, Dr. Faustine Ndugulile inaugurated Uni Life Campus Program for Muhimbili University of Health and Allied Health Sciences' students.

Speaking during the inauguration of this program, Dr. Ndugulile urged MUHAS students to study hard but also to ensure that they are getting involved in other social activities. He stressed that as students of the health sector, they are capable of taking part in different programs that reach disadvantaged communities as well as participating in providing health services.

Citing his own experience as a former student of this University, Dr. Ndugulile said in life it is very important to have goals as well as plans to enable you reach those goals. He said opportunities are available but one needs to make an effort to look for

them especially using professional bodies. The Deputy Minister also advised students to be careful in the way they use social media because it has the ability to build them if used properly or destroy them if used carelessly. "People in the health profession are the mirror to the society, therefore it is important to abide to the ethics of this sector in making sure that ethical behaviors are reflected in our actions", he added.

In explaining the vision of the program, the Founder of Uni Life Campus Program who is also Member of Parliament representing Higher Learning Institutions in Tanzania Ms. Esther Mmasi said one of the objectives of the program is to increase the level of self-awareness to University Students so as to minimize challenges and problems facing them when they are in learning and daily campus life.

She further said that the program also

aims at increasing the understanding of University Students on the best use of IT development and also emphasizing the proper uses of social media. The Acting Vice Chancellor, Prof. Appolinary Kamuhabwa said that the University understands the importance of students to have self awareness knowledge and also understanding the opportunities that they have and be able to utilize them effectively.

Because of that, Prof. Kamuhabwa said MUHAS gives priority in ensuring that students especially females who most of the time are the victims of circumstances, receive training through seminars which aims at building their courage and have positive outlook on life.

The Acting VC emphasized the main aim of having these seminars which is to ensure that students concentrate on their training without any hindrance caused by other social issues that may be encounter.



The Deputy Minister for Health, Dr. Faustine Ndugulile speaking during the Uni Life Campus Program for MUHAS



The Deputy Minister for Health, Dr. Faustine Ndugulile in a group photo with Founder of Uni Life, Hon. Esther Mmasi, the Acting VC, Prof. A. Kamuhabwa, officials from the Tanzania Police Force and HESLB and MUHAS Students during the inauguration of Uni Life Campus Program for MUHAS' students

MUHAS GETS A NEW VICE CHANCELLOR



Prof. Andrea Barnabas Pembe

The President of United Republic of Tanzania, His Excellency Dr. John Pombe Magufuli has appointed Prof. Andrea Barnabas Pembe to be the Vice Chancellor of Muhimbili University of Health and Allied Sciences effectively from 1st June, 2018.

Prof. Pembe is an Associate Professor and Consultant Obstetrician and Gynaecologist. Prior to his appointment, Prof. Pembe was the Acting Deputy Vice Chancellor - Academic, Research and Consultancy. He is also the President of the Association of Gynaecologists and Obstetricians of Tanzania (AGOTA).

The MUHAS Community congratulates Prof. Andrea Barbanas Pembe for his well deserving appointment and wish him success in fulfilling his duties as the Vice Chancellor.

Editorial Team

Prof. F. Kahabuka,
Dr. M. Mwangi,
Hellen Mtui & Neema Edwin

MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES
P.O.BOX 65001, DAR ES SALAAM, TANZANIA
GENERAL LINE: +255 0222150302-6
DIRECT LINE: +255 0222151596
EMAIL: vc@muhas.tz
WEB: www.muhas.ac.tz