



In Search of Better Health

12th KASH Conference

FULL

PROGRAM

15th - 18th
FEBRUARY

SAFARI PARK HOTEL,
NAIROBI (IN PERSON)
& VIRTUAL

DAY 1, WEDNESDAY, 16th FEBRUARY 2022

TIME	DAY 1 OPENING SESSION & KEYNOTE ADDRESS	
0800-0900hrs	Arrival and Registration of Delegates	
0900 – 0915hrs	Conference overview: Chair of KASH Organizing Committee, Dr. Cecilia Mbae	
0935 - 0955hrs	Remarks from Director General KEMRI Prof. Sam Kariuki Remarks from Chair, KEMRI Board of Directors, Dr. Daniel M. Mbinda	
1010 - 1040hrs	Opening Keynote Address: Dr. F. George Njoroge; Department of Research, Innovation & Entrepreneurship Kenyatta University Teaching & Referral Hospital Topic: <i>The Joy of Science: Discovery of Victrelis™, the First HCV Protease Inhibitor to be Approved by Food and Drug Administration (FDA)</i>	
Master of Ceremony:	Mr. John Musau	
Session Chair	Dr. Evans Amukoye	
Rapporteur	Dr. Linus Ndegwa	
1040 – 1115hrs	POSTER SESSION AND TEA BREAK	
1330- 1630hrs	SCIENTIFIC SESSION 1-4, Symposium 1	
Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 1: AMR 1 VENUE: BOGORIA Session Chair: Dr. John Mwaniki Rapporteur: Susan Kawai
	1.	Antimicrobial resistance and virulence characteristics of Klebsiella pneumoniae isolates in Kenya; Angela Muraya
	2.	Prevalence and risk factors for the transmission of H. pylori, E. coli and Klebsiella species among patients presenting with gastritis in Nairobi, Kenya; Sophia Kuve
	3.	Antimicrobial Resistance patterns of Bacterial isolates recovered from UTI patients visiting different healthcare facilities; Susan Kiiru
	4.	Carbapenem resistance in Gram negative bacteria: resistance mechanisms and reduced susceptibility to recently approved drugs; Anne Amulele
	5.	Drug Resistance Mutations Profile Among Infants in Kenya; Sheila Kageha
	6.	Prevalence, Antimicrobial Susceptibility Profiles, and Antimicrobial Resistance Genotypes of Listeria monocytogenes and Gram-Negative Co-isolates from Raw Meats Obtained from Selected Formal and Informal Markets in Nairobi County. Anita Chepkemei
	7.	Comparative Evaluation of ADAGIO and VITEK Automated Antimicrobial Susceptibility Testing Platforms using a collection of Kenyan Clinical Isolates Justin Nyasinga
Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 2: Malaria (1) Venue: AMBOSELI Session Chair: Dr. Luna Kamau Rapporteur: Koko Mutai
	8.	Malaria is a cause of iron deficiency in African children; John Muriuki
	9.	Synergism in Antiplasmodial activities of Epirubicin in combination with Artemether and Lumefantrine; Douglas Ochora



	10.	Plasmodium ovale and Plasmodium falciparum Co-infection is Associated with Symptoms in Malaria Endemic Regions of Western Kenya; Jackline Juma
	11.	Optimization of an antimalarial drug delivery system to infected laboratory reared Anopheles gambiae using sugar baits to target Plasmodium in Mosquitoes; Mollyne Okal
	12.	Amodiaquine pressure selects nonsynonymous mutations in pantothenate kinase, diacylglycerol kinase, and phosphatidylinositol 4 kinase in Plasmodium berghei ANKA; Jean chepngetich
	13.	Capacity to conduct infectious disease surveillance: An investigation of suspected malaria outbreak in the epidemic-prone Nandi County, Kenya; Githinji Geoffrey
	14.	Maintenance of high temporal Plasmodium falciparum genetic diversity in Kilifi, Kenya, despite a reduction in community malaria transmission from 2007 to 2018; Kelvin Muteru
Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 3: Public Health 1 VENUE: SAMBURU Session Chair: Dr. Lydiah Kibe Rapporteur: Mariam Macharia
	15.	Impact of rotavirus vaccination on all-cause and rotavirus-specific gastroenteritis and strain distribution in Kiambu, central Kenya:11-year surveillance; Maurine Mutua
	16.	Mycoflora diversity in stored water from selected households in Nairobi; Olga Mashedi
	17.	Framework for strengthening disease surveillance and response systems: the case of neglected tropical diseases and implications for other endemic and newly emerging diseases; Arthur Ng'etich
	18.	Knowledge, attitudes and Practices of Medical Students on Covid 19 in Burundi; Yves Nsavyimana
	19.	We are in the battlefield and can be hit by stray bullets': Risk Perception for COVID-19 among Health care providers in Kenyatta National Hospital, Nairobi, Kenya; Vallery Ogello
	20.	Communication to improve HPV vaccine coverage in sub-Saharan Africa: a systematic review; Edwin Ochomo
	21.	Scaling up of Polioviruses Surveillance Using Special Strategies of Environmental Surveillance as a Supplementary Strategy for Polio outbreak monitoring in Kenya 2013-2017; Rosemary Nzunza
	22.	Prevalence and types of bacterial contaminants in a tertiary hospital in kenya; Chester Omondi
	23.	Integrity, Use, and Care of Treated Mosquito Nets in Kirinyaga County, Kenya; Mary Sofia
	24.	COVID-19 Vaccine concerns among Healthcare Providers in Kenyatta National Hospital, Nairobi, Kenya: A Qualitative Study; Phelix Okello
	25.	High willingness to pay for PrEP services at retail pharmacies in Kenya; Peter Atandi
	26.	Relationship between Household Air Pollution and Acute Respiratory Infections Among Young Children in Central Kenya; James Mwitari



Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 4: Natural Products VENUE: TSAVO Session Chair: Milka Mwangi Rapporteur: Henry Kanyi
	27.	Screening of antibacterial and anthelmintic potentials of <i>Carica papaya</i> seed oil; Bonface Khajezoanne
	28.	In silico and in vitro response of NCI-60 tumour cell lines to oleanonic acid; Beatrice Irungu
	29.	Pinto beans (<i>Phaseolus vulgaris</i> L.) exhibit potent antiviral activity against human influenza A virus; Phyllis Langat
	30.	Structure based discovery of a quinolinone compound inhibiting nucleoprotein of influenza A virus without selecting for resistant mutants; Juliann N Makau
	31.	The Role of Traditional Medicine in Management of Diabetes Mellitus in Kenya: A Review; Kipkoech Lucia
	32.	Assessment of Phytochemical and Biological Properties of Moringa oleifera Leaves Phytosome on Breast Cancer Cell Lines; Jecinta Wanjiru Ndung'u
	33.	Herbal combination remedy for the management of covid-19 and associated predisposing ailments; Peter Mwitari
	34.	Antibacterial, antioxidant and sun protection potential of selected ethno medicinal plants used for skin infections in Uganda; Peter Sekandi
Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 5: Virology 1 VENUE: MT. KENYA C Session Chair: Dr. Limbaso Konongoi Rapporteur: Lilian Mayieka
	35.	Detection and investigation of vaccine-derived poliovirus circulation by environmental surveillance -A recent case study; Joanne Hassan
	36.	Detection of poliovirus using cell culture in EPI Laboratory, KEMRI from 2018 to 2020; Fiona Alaii
	37.	Neuraminidase inhibition susceptibility of Influenza A virus (IAV) isolates obtained from Kenya, 2008 to 2017; Meshack Wadegu
	38.	Hepatitis C treatment for people who inject drugs in Kenya; Joyce Nyagilo
Time (EAT) 1115hrs-1300hrs	Abstract No	Scientific Session 6: NCDs VENUE: MT. KENYA D Session Chair: Dr. Rose Bosire Rapporteur: Dr. Betty Njoroge
	39.	Characterization of Diabetic Patients at Kericho County Referral Hospital, January-September 2021; Stanley Kemboi
	40.	Characteristics and changes in health-related quality of life of patients treated for esophageal cancer in Eldoret; Tabitha Kamau
	41.	An evaluation of current practices in management of diabetic ketoacidosis in a Kenyan academic medical center; Karingo Agnes
	42.	Complementary and Alternative Medicine (CAM) Use among Prostate Cancer Patients at Kenyatta National Hospital, Nairobi, Kenya; Cecilia Kimani
	43.	Baseline Assessment of Cervical Cancer Screening and Treatment Capacity in 25 Counties in Kenya, 2021; David Kariuki
	44.	Assessment of Case Management of Sexual and Gender-based Violence Cases, Uasin Gishu County Hospital, 2018-2020; Jedidah Kiprop



	45.	The Effect of Community-Based Lifestyle Modification Program on risk factors for hypertension Among Adults Living in an Urban Informal Settlement; Beatrice Olack
	46.	The burden of Non-communicable lung diseases in Kenya: Chronic Respiratory Diseases in Nairobi; Hellen Meme
1300-1400hrs: LUNCH BREAK		
SCIENTIFIC SESSION 7-11 AND SYMPOSIUM 1		
Time (EAT) 1400hrs-1600hrs	Abstract No	Scientific Session 7: TB 1 VENUE: MT. KENYA D Session Chair: Sophie Matu Rapporteur: Olga Mashedi
	47.	Characteristics of Extra-pulmonary Tuberculosis Cases in Kitui County, Kenya 2019; Grace Rabut
	48.	Chronic respiratory disease in adult out-patients in three African countries: a cross sectional study; Hellen Meme
	49.	Gaps related to screening and diagnosis of tuberculosis in care cascade in selected health facilities in East Africa countries: A retrospective study; Esther Ngadaya
	50.	Evaluating the significance of actinomycetes infections in tb smear negative and retreatment cases from selected referral facilities, kenya; Frida Njeru
Time (EAT) 1400hrs-1600hrs	Abstract No	Scientific Session 8: Vector Biology 1 VENUE: AMBOSELI Session Chair: Prof Charles Mbogo Rapporteur: Koko Mutai
	51.	Genetic variability of Aedes aegypti populations from Northern Kenya, and their influence on Dengue-2 virus transmission; Edith Chepkorir
	52.	An assessment of the entomological risk of Yellow Fever Virus re-emergence and outbreak in Kenya; Shillah Nasambu
	53.	Insecticide resistance status of indoor and outdoor resting malaria vectors in a highland and lowland site in Western Kenya; Kevin Owuor
	54.	Spatially explicate sampling frames to identify regions of increased mosquito abundance; Brigid Kemei
	55.	Bacterial composition differs between permethrin-susceptible and -resistant Anopheles gambiae s.s. in a site with intense pyrethroid resistance in western Kenya; Diana Omoke
Time (EAT) 1400hrs-1600hrs	Abstract No	Scientific Session 9: NTDs and One health 1 VENUE: SAMBURU Session Chair: Milkah Mwangi Rapporteur: Henry Kanyi
	56.	A comparative study on the quality of life of leprosy patients in Kilifi and Kwale counties in Kenya; Jane Ong'ang'o
	57.	Progress towards rabies elimination in kitui county: 2019-2021; Peris Kung'u
	58.	Molecular epidemiology of cystic echinococcosis in Kenya (2012 – 2021); Erastus Mulinge
	59.	One Health surveillance; Evidence of known and new zoonotic arboviruses circulation in multiple hosts with potential impact to Human; Dorcus Omoga
	60.	Seroprevalence of Human African Trypanosomiasis and Schistosomiasis in Taita Taveta County, Kenya; Joanne Yego

Time (EAT) 1400hrs-1600hrs	Abstract No	Scientific Session 10: Health Systems 1 VENUE: TSAVO Session Chair: James Ngumo Rapporteur: Sharon Mokuu
	61.	Challenges facing blood transfusion services at the eldoret regional blood transfusion centre; Briton Matata
	62.	Evaluation of Enhanced Syndromic Surveillance System for Rift Valley Fever in Kenya, 2021; Nassoro Mwanyalu
	63.	Assessment of Analytical Quality Management Systems at The Bungoma County Referral Hospital Laboratory; Whitney Ondari
	64.	Migori County Multi-Sectoral Action Plan to Improve The Health and Well-Being of Adolescents and Youth: Mid Term Evaluation Results (July 2018-December 2020); Lillian Nyaga
	65.	Implementation considerations for the WHO Essential Diagnostics List with insights from the Essential Medicines List: A scoping review; Moriasi Nyanchoka
	66.	What are the barriers to and provider-developed strategies for early implementation of pharmacy-delivered PrEP services in Kenya? A qualitative study; Peter Atandi
	67.	Navigating emergency but licit procurement during pandemics; Joshua Maina
	68.	How are global health policies transferred to sub-Saharan African countries? A systematic critical review of literature; Walter Odoch
Time (EAT) 1400hrs-1600hrs	Abstract No	Scientific Session 11: HIV 1 VENUE: MT. KENYA C Session Chair: Dr. Serah Gitome Rapporteur: Timothy Kiplagat
	69.	HIV Infection During Pregnancy at Kisumu County Referral Hospital; A Surveillance Evaluation, 2021; Clara Andala
	70.	HIV testing and linkage to care - A case of a mobile diagnostic and counseling service in Mbeya, Tanzania; A quantitative study; Amani Kway
	71.	Proof of principle oral dissolvable strip formulation for pediatric ARV prophylaxis; Sarah Finocchario
	72.	HIV and HCV risk assessment and testing outcomes among sex workers and long distance drivers in Kenya; Alex K Maiyo
	73.	Patterns and causes of suboptimal response to nevirapine based therapy in patients receiving antiretroviral therapy in kisumu and malindi, kenya; Juster Mungiria
	74.	HIV and Viral co-infections: Results from a multicenter study across sites in Kenya; Joseph Mwangi
Time (EAT) 1045 – 1245hrs	Abstract No	Symposium 1: Knowledge Management VENUE: BOGORIA Session Chair: Prof. Jennifer Orwa Rapporteur: Lilian Mayieka



DAY TWO, THURSDAY 17th FEBRUARY 2022

0800-0900hrs	Arrival and Registration of Delegates	
0900-1000hrs	PLENARY TALKS	
0900- 0920hrs	Plenary session 1: Prof. Sam Kariuki- “Antimicrobial Resistance, the next pandemic! The evolving AMR Situation in Kenya”	
0920 - 0940hrs	Plenary 2: Dr. Frank Njenga- “Mental Health and other non-communicable diseases (No health without mental health)”	
0940 -1000hrs	Plenary 3: Dr. Nelly Mugo- “Single dose HPV vaccine efficacy”	
Session Chair: Rapporteur:	Dr. Doris Njomo Kelvin Thiong’o	
1000-1045hrs	BREAK, POSTER SESSION	
1045 – 1245hrs	SCIENTIFIC SESSIONS 12- 21, Symposium 2, 3 and 4	
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 12: Mental Health Venue: MT. KENYA D Chair: Dr. Linus Ndegwa Rapporteur: Susan Kawai
	75.	How postnatal depression impacts on neonatal outcomes: an exploratory study in Kisumu County, western Kenya; Catherine Gribbin
	76.	Characteristics of People living with Mental Illnesses at Mathari Mental Hospital in 2020; Jane Muriuki
	77.	Sources of stress and coping mechanism among maternal health care providers in western Kenya; Joyceline Gaceri
	78.	Prevalence of postpartum depression, mothers’ experiences and barriers and facilitators to seeking postpartum depression care among postpartum mothers attending the postnatal clinic in Jinja Hospital Uganda; Dorothy Akongo
	79.	Social Media Use and Addictive and Depression and Suicide Ideation in Elburgon Ward; Ndirangu Ngunjiri
	80.	Availability of Postpartum Depression care services at Adeoyo Maternity Teaching Hospital and University College Hospital, Ibadan, Nigeria; Dorothy Akongo
	81.	Needs Assessment of the Prevalence and Extent of Sexual Harassment at the Kenya Medical Research Institute (KEMRI); Sarah Okumu
	82.	Socio-cultural perspectives of suicidal behavior at the Coast region of Kenya: an exploratory study; Linnnet Ongeri
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 13: Vector Biology 2 Venue: AMBOSELI Session Chair: Dr. Beatrice Irungu Rapporteur: Koko Mutai
	83.	Survey of yellow fever virus susceptibility across African populations of Aedes aegypti; Victor Okoth
	84.	Mosquito-human contact as a risk factor for dengue and chikungunya virus exposure in major towns along the Northern transport corridor, Kenya; Francis Musili
	85.	Insecticide resistant Anopheles gambiae have enhanced longevity but reduced biting frequency and reproductive fitness; Joyce Kemunto



	86.	Genetic Variation of <i>Aedes aegypti</i> Mosquitoes from Mombasa And Kilifi Counties; Linda Tum
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 14: NTDs and One health (2) VENUE: SAMBURU Session Chair: Dr. Erastus Mulinge Rapporteur: Henry Kanyi
	87.	Unravelling antimicrobial resistance phenotypes and carriage of extended-spectrum β -lactamase genes in <i>Escherichia coli</i> isolated from farmers and their cattle in Kiambu county, Kenya; Dan Waithiru
	88.	Environmental and Household-Based Spatial Risks for Tungiasis in an Endemic Area of Coastal Kenya; Ayako Hyuga
	89.	Prevalence of intestinal parasitic infections in the community of Oloisukut Conservancy, Narok County, Kenya; Zipporah Njeri
	90.	Interleukin-4 responsive dendritic cells are dispensable to host resistance against <i>Leishmania mexicana</i> infection; Bernard Ong'ondo
	91.	Mapping the spread of <i>Procambarus clarkii</i> and their subtle effect on schistosomiasis transmitting snails within Mwea irrigation scheme, Kenya; Geoffrey Murai
	92.	Screening of <i>Wuchereria bancrofti</i> in human blood and mosquitoes in Matayos, Busia County, Kenya Nancy Kinyatta
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 15: Health Systems (2) VENUE: TSAVO Session Chair: James Kariuki Rapporteur: Schiller Buka
	93.	Factors affecting implementation of quality management systems in ISO 15189:2012 accredited laboratories: a survey of staff opinions at Kitale regional public health laboratory; Briton Matata
	94.	Challenges and Lessons Learnt in performing Minimally Invasive Autopsy in under 5 children enrolled in Child Health and Mortality Prevention Surveillance (CHAMPS) in Western, Kenya; Peter Onyango
	95.	An Assessment of the Challenges Facing Blood Transfusion Services at the Bungoma Satellite Blood Transfusion Centre amidst the COVID-19 Pandemic; Brian Nanjendo
	96.	Community Health Volunteers Practices in Advancing Social Accountability in Nairobi County, Kenya; Malkia Abuga
	97.	A Collaboration Approach to Healthcare Service Delivery in Resource Constrained Countries .Case Study: Uganda Martyrs Hospital Lubaga–Uganda; Samuel Walusimbi
	98.	Digital technology alternatives in provision of continued access to health care during the Covid-19 pandemic in Kenya; Samuel Gatherer
	99.	Facilitating timely and equitable healthcare access using blockchain technology; Joe Kabyemela



Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 16: MCH 1 VENUE: MT. KENYA C Session Chair: Dr. Benson Singa Rapporteur: Bridget Kimani
	100.	Pregnancy trends and associated factors among Kenyan adolescent girls and young women pre- and post-COVID-19 Lockdown; Dismas Congo
	101.	Diet Diversity of Children with Moderate Acute Malnutrition Living in an Urban Informal Settlement in Nairobi Kenya; Beatrice Olack
	102.	Safety and pharmacokinetics of fosfomycin to treat neonatal sepsis: a randomized clinical trial; Christina Obiero
	103.	Clinical features of bacterial meningitis among hospitalised children in Kenya; Christina Obiero
	104.	Childhood mortality during and after acute illness in Africa and S. Asia: the CHAIN cohort study; James Berkley
	105.	Evaluating practice and guidelines for the care of adolescent scholars living with HIV in Western Kenya; Dama Olungae
	106.	Kangaroo mother care practice during the covid-19 pandemic among postnatal mothers of preterm babies; Beatrice Afande
	107.	Clinical features to distinguish meningitis among young infants at a rural Kenyan hospital; Christina Obiero
Time (EAT) 1045 – 1245hrs	Symposium 2: Herbal medicine in COVID-19 management: Concerns on use and current status of research on therapeutic agents from medicinal plants (CTMDR) VENUE: BOGORIA Session Chair: Dr. Festus Tolo Rapporteur: Dr. Jeremiah Gathirwa	
1300-1400HRS: LUNCH BREAK		
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 17: Virology 2 VENUE: MT. KENYA D Session Chair: Dr. Samoel Khamadi Rapporteur: Lilian Mayieka
	108.	Prevalence and demographic characteristics of rotaviruses in children with acute gastroenteritis in kericho county referral hospital; Carlene Sang
	109.	Molecular diversity and evolutionary analysis of human respirovirus 3 strains isolated in Kenya using complete hemagglutinin- neuraminidase (HN) gene; Juliet Mmata
	110.	A laboratory analysis of Acute Flaccid Paralysis (AFP) surveillance in Kenya, 2019 to 2020; Janet Ngugi
	111.	Seroprevalence of rubella, cytomegalovirus and toxoplasma gondii among women attending antenatal clinics in mombasa county; James Gikunda
	112.	Characterization of hepatitis c genotypes circulating among injecting drug users in kilifi county, kenya; Robert Mainga
	113.	Intratypic differentiation of suspected Polioviruses from stool samples in Kenya, 2021; Mercy Onyango
	114.	The Epidemiology of Measles Disease in Kenya in 2021- An overview; Diana Wanjiru
	115.	Epidemiological trends of diarrheal viruses in central kenya before and after rotavirus vaccination; Felix Musyoka



	116.	Diagnosis and Outbreak Investigation of Arboviruses and Viral Hemorrhagic fevers in Kenya and the Region: The KEMRI Viral Hemorrhagic Fever Laboratory Perspective Konogoi Limbaso
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 18: Malaria 2 VENUE: AMBOSELI Session Chair: Dr. Joseph Mwangangi Rapporteur: Koko Mutai
	117.	Synergism in Antiplasmodial activities of Epirubicin in combination with Artemether and Lumefantrine; Douglas Ochora
	118.	Artemisinin binds and inhibits the activity of Plasmodium fal-ciparum Ddi1, a retroviral aspartyl protease; Noah Onchieku
	119.	Severe Malaria Surveillance System Evaluation in Msambweni Referral Hospital Kwale County, June 2021; Githinji Geoffrey
	120.	Assessment of Kenyan Parasites Response to Currently used Artemisinin combined Therapies using Ex vivo/In vitro susceptibility Assays and Genomic Analysis; Duncan Wakoli
	121.	Quality of diagnosis and treatment of malaria patients in rural hospitals in Kisumu County, Kenya; Wilfred Ouma
	122.	Identification of Plasmodium falciparum Resistance Biomarkers in Primary School Children in Western Kenya; Tonny Nyandwaro
	123.	Ex-vivo Drug Combination Screening using Malaria SYBR Green I Assay; Redemptah Yeda
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 19: TB 2 VENUE: SAMBURU Session Chair: Dr. Jane Ong'ang'o Rapporteur: Asiko Ong'aya
	124.	Yield comparison for tb cultures between mycobacterium growth indicator tube (mgit) and lowenstein-jensen (lj) medium; Joseph Nyamweya
	125.	Evaluation of xpert mtb/rif assay in detection of mycobacterium tuberculosis from sputum pellets using a reduced sample reagent in smear negative samples in kisumu county western Kenya; Ruth Sitati
	126.	Challenges of Setting up and Managing a basic TB Immunology Research Laboratory in a resource-limited setting: The KEMRI-Centre for Respiratory Diseases Research Laboratories Experience; Robi Chacha
	127.	Plan do study act (pdsa) cycle quality improvement approach to scale up paediatric tb case finding the case of suna west sub county; Peter Omware
	128.	Drug resistant tuberculosis patterns among presumptive MDR patients from western Kenya, a MoH surveillance program; Albert Okumu
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 20: MCH 2 VENUE: TSAVO Session Chair: Dr. Simon Njoroge Rapporteur: Rosemary Musuva
	129.	Low haemoglobin levels are associated with reduced psychomotor and language abilities in young Ugandan children; Agnes Mutua
	130.	Kenyan women's preferences, expectations, and experiences with male partner support during pregnancy in the context of prevention of mother to child transmission services; Brooke Lapke
	131.	Impact of the protecting infants remotely by sms (prisms) on neonatal care in a district hospital; Santorino Data



	132.	Predictors and outcome of cardiac arrest in paediatric patients presenting to emergency medicine department of a tertiary hospital in tanzania; Amne Omar
	133.	The Post-Discharge Risk of Mortality in Children Under Five Years of Age in Western Kenya: A Retrospective Cohort Study; Titus Kwambai
	134.	Post Abortion Care Services at Kitale County Hospital, Transzoia County, Kenya; Selpha Amuko
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 21: AMR 2 VENUE: MT. KENYA C Session Chair: Dr. Lilian Musila Rapporteur: Eric Odoyo
	135.	Escherichia coli pathotypes in children under 5 years old with acute diarrhea in an urban informal settlement, Nairobi, Kenya; Moureen Jepleting
	136.	Point prevalence survey on antimicrobial use at kitale county referral hospital; Nancy Koech
	137.	Spectrum and antimicrobial resistance genes in bacterial and fungal pathogens from TB smear-negative and retreatment cases in selected Counties in Kenya; Sally Loronyokie
	138.	Quality Evaluation of Co-trimoxazole Suspensions in Nairobi, Kenya; Lilian Koech
Time (EAT) 1400hrs-1600hrs	Abstract No	Symposium3: JICA SATREPS MALARIA PROJECT VENUE: AMBOSELI Session Chair: Prof. Akira Kaneko Rapporteur: Dr. Wataru Kagaya
Time (EAT) 14:00 – 16:00hrs	Abstract No	Symposium 4: Biotechnology, THE ROLE OF GENOMICS IN HEALTH VENUE: BOGORIA Session Chair: Dr. Damaris Matoke Rapporteur: Kelvin Thiong'o



DAY THREE, FRIDAY 18th FEBRUARY 2022

0830-0900hrs	Arrival and Registration of Delegates	
0900-1000hrs	PLENARY TALKS	
0900 - 0920hrs	Plenary 4: Prof. Sammy Njenga: Current epidemiological status of lymphatic filariasis in Kenya and prospects for its elimination as a public health problem	
0920 - 0940hrs	Plenary 5: Dr. Sam Aketch- “Malaria vaccines: vaccine candidates and evidence behind who recommendation for wider use of RTS, S/as01 vaccine”	
0940 - 1000hrs	Plenary 6: Dr. Lucas Nyabero- “Genomics Capacity building and strengthening: Why does it matter for Africa “Kenya”?”	
Session Chair Rapporteur	Dr. Vera Manduku Susan Kawai	
1000-1045hrs	POSTER SESSION AND TEA BREAK	
1045 – 1245hrs	SCIENTIFIC SESSIONS 21- 24, Symposium	
Time (EAT) 14:00 – 16:00hrs	Abstract No	Scientific Session 21: AMR 2 VENUE: BOGORIA Session Chair: Dr. Lilian Musila Rapporteur: Kelvin Thiong'o
	139.	Escherichia coli pathotypes in children under 5 years old with acute diarrhea in an urban informal settlement, Nairobi, Kenya; Moureen Jepleting
	140.	Point prevalence survey on antimicrobial use at kitale county referral hospital; Nancy Koech
	141.	Spectrum and antimicrobial resistance genes in bacterial and fungal pathogens from TB smear-negative and retreatment cases in selected Counties in Kenya; Sally Loronyokie
	142.	Quality Evaluation of Co-trimoxazole Suspensions in Nairobi, Kenya; Lilian Koech
Time (EAT) 1045 – 1245hrs	Abstract No	SScientific Session 22: Health Systems 3 VENUE: MT. KENYA C Session Chair: Dr. Joyce Wamiewe Rapporteur: Stephen Onteri
	143.	Effect of Organizational Factors on Quality of Care offered at a National Tertiary Referral Hospital in Kenya; Healthcare workers perspectives; Karingo Agnes
	144.	The changing landscape in funding of hiv/aids program; perspectives and experiences of caregivers of pediatric patients at kisii teaching and referral hospital; Mary Mokeira
	145.	The Impact of Strengthening Community Health Services on Malaria Cases That Receive Prompt and Effective Treatment in Migori and Kwale Counties; Athuman Chiguzo
	146.	Changes in technology adaptation: A case of Bungoma County Hospital; Tiner Ouma
	147.	Early lessons from the study “Health and Demographic Surveillance System (HDSS): Developing a sustainable data infrastructure for longitudinal Aopulation-based epidemiological studies in Kwale and Homa Bay counties, Kenya; Kazuchiyo Miyamichi
	148.	Evaluation of the Influenza Surveillance System in Kenya, 2017–2018; Serah Nchoko



	149.	Evaluation of measles surveillance system kenya, 2019-2020; Freshia Waithaka
	150.	A comparative study on strengthened community health services for utilization of malaria control intervention in migori and kwale counties of kenya; Athuman Chiguzo
	151.	A multicenter randomized controlled trial to determine the effect of real-time digital feedback on quality of bag-valve-mask ventilation Santorino Data
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 23: Genomics VENUE: MT. KENYA D Session Chair: Dr. Limbaso Konongoi Rapporteur: Henry Kanyi
	152.	Essential diagnostics: strengthening methods and capacity for evidence-based diagnostic practice for effective national and county programs in Kenya; Eddy Johnson
	153.	β -Thalassemia pathogenic variants in a cohort of children from the East African coast; Johnstone Makale
	154.	Identification and characterization of novel viral pathogens among arthropod vectors using High-Throughput Sequencing: The KEMRI-viral haemorrhagic fever laboratory experience; Solomon Langat
	155.	Evaluation of urine dipstick test reliability in UTI diagnosis; John Ndemi
	156.	Genome-wide Association Study of Vitamin D status in Africans; Reagan Mosei
	157.	Genomic analysis of kenyan influenza b virus matrix and non-structural proteins; a preliminary report; Samwel Symekher
	158.	Whole genome analysis of an African G4P[6] human rotavirus strain identified in a diarrheic child in Kenya: Evidence for porcine-to-human interspecies transmission and reassortment Ernest A Wandera
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 24: TB 3 VENUE: SAMBURU Session Chair: Dr. Peninah Munyua Rapporteur: Dr. Erastus Mulinge
	159.	Reproducibility of ZN smear microscopy results between KEMRI and North-Star Alliance on sputum specimens collected from long-distance truck drivers and commercial sex workers who participated in a TB and HIV prevalence study in Mlolongo, Machakos County; Joseph Kimwomi
	160.	Identification of direct smear negative, GeneXpert negative, LJ negative and MGIT-ZN positive mycobacteria strains isolated from sputum specimens of long distance truck drivers and commercial sex workers enrolled in a prevalence of TB and HIV study in Mlo; Ruth Moraa
	161.	Prevalence of pneumocystis jirovecii in tb smear negative patients and retreatment cases at the coast general hospital; Anne Sein
	162.	Tuberculosis a risk factor for clinically significant chronic respiratory disease in Nairobi, Kenya; Hellen Meme
Time (EAT) 1045 – 1245hrs	Abstract No	Scientific Session 25: COVID-19 VENUE: TSAVO Session Chair: Dr. John Mwaniki Rapporteur: Eric Odoyo

	163.	Developing a Covid Tracking System to improve data management and patient follow up in Kisumu; May Maloba
	164.	Detection of multiple SARS-CoV-2 variants of concern (VOC) in Nairobi, Kenya between March 2021 and July 2021; Silvanos Opanda
	165.	Household genomic epidemiology of SARS-CoV-2 in rural coastal Kenya; Charles Agoti
	166.	Accuracy of the Panbio™ COVID-19 antigen rapid test device for SARS-CoV-2 detection in Kenya, 2021: A multicenter field evaluation; Jack Irungu
	167.	Performance Evaluation of 3 RT-PCR Kits for the Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2); Samwel Symekher
	168.	Knowledge, attitudes and practices regarding Coronavirus Disease-2019: A cross-sectional survey among residents of Busia and Migori Counties, western Kenya; Julius Odera
	169.	Estimate of agreement between two commercial kits for molecular detection of SARS-CoV-2; Janet Majanja
	170.	In-vitro isolation, culture and characterization of SARS-CoV-2 virus in Kenya Abstract; Robinson Irekwa
	171.	Burden of undiagnosed covid-19 in patients admitted at 3 county referral hospitals in western kenya; Benson Singa
	172.	Population' risk perception of COVID-19 infection in Kajiado and Machakos counties; Lilian Nyandieka
	173.	Factors Influencing Willingness to Receive Covid-19 Vaccine in Kisii National Polytechnic Staff Peter Godner
Time (EAT) 1045 – 1245hrs	Abstract No	Symposium 4: Knowledge Management VENUE: BOGORIA Session Chair: Prof. Jennifer Orwa Rapporteur: Lilian Mayieka
Time (EAT) 1045 – 1245hrs	Abstract No	Symposium 5: FOOD ENVIRONMENT RESEARCH IN KENYA Venue: AMBOSELI Session Chair: Prof. Charles Obonyo Rapporteur: Rosemary Musuva
1300-1400HRS: LUNCH BREAK		
1400-1600hrs	Closing Ceremony: Master of Ceremony: Prof. Charles Mbogo	
	Sponsors and Exhibitors Session	
	Conference outcomes & resolutions Chief Rapporteur: Dr. Steve Wandiga	
	Awarding Ceremony	
	Vote of thanks: Dr. Damaris Matoke-Muhia	
	Official Closing remarks: KASH Chair: Dr. Cecilia Mbae Ag. Director General & CEO, KEMRI	



POSTER DISCUSSIONS

SUB THEME	ABSTRACT NO	POSTER TITLE
Strengthening Health Systems	170.	Evaluating the cat system to improve cervical cancer care in Kenya: a mixed methods study; May Maloba
Emerging and Re-emerging Infectious and Parasitic Diseases Prevention, Control and Elimination	171.	Assessing the severity of COVID-19 among patients with latent TB infection in Western Kenya; Joshua Ongalo
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	172.	Bionomics and ecology of <i>Anopheles merus</i> along the East and Southern Africa Coast; Brian Bartilol
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	173.	Prevalence of tuberculosis and HIV among long distance truck drivers and commercial sex workers in Mlolongo, Machakos County; Willie Githui
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	174.	Project management experiences, achievements, and lessons learnt by study site personnel during a study on prevalence of pulmonary tuberculosis and HIV among long distance truck drivers and female sex workers in Mlolongo, Machakos County; Eston Njagi
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	175.	Neonatal bacteraemia at secondary hospitals in Kenya (NeoBAC); Caroline Tigoi
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	176.	Demographic factors associated with pathogens detected from influenza like illness in patients attending a nairobi sub-county hospital; Samwel Symekher
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	177.	Towards a Polio Free Kenya, Performance of AFP surveillance in Kenya 2005-2020; Rosemary Nzunza
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	178.	Comparative Seroprevalence of Hepatitis B virus among Inmates and Low Risk voluntary Blood Donors in Garissa, Kenya 2021; Vincent Bahati
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	179.	Impact of rotavirus vaccination on rotavirus gastroenteritis and strain distribution in western Kenya; Mary Wachira
Emerging and Re-emerging In-fectious and Parasitic Diseases Prevention, Control and Elimination	180.	Correlates of condom use at last sexual intercourse among adolescent girls and young women in central and western Kenya; Syovata Kimanathi
Drug Discoveries and Therapeu-tics	181.	In vitro antiviral activity of Cat's claw (<i>Uncaria tomentosa</i>) extract against influenza A virus; Mike Odiwuor
Drug Discoveries and Therapeutics	182.	Circulation of phleboviruses and arboviruses among sandflies from parts of north rift, Kenya; Edith Koskei
Essential Sexual, Reproductive, Adolescents, Maternal, and Child Health	183.	Adverse neonatal outcomes at the maternity ward in Kitale County Hospital, Kenya, April – May 2021; Gabriel Nyang'au



Essential Sexual, Reproductive, Adolescents, Maternal, and Child Health	184.	Assessing COVID-related concerns and their impact on antenatal and delivery care among pregnant women living with HIV in Kenya; Catherine Wexler
Essential Sexual, Reproductive, Adolescents, Maternal, and Child Health	185.	HBV Vaccination and testing dynamics among Key populations in Kenya; Timothy Mwanzia
Essential Sexual, Reproductive, Adolescents, Maternal, and Child Health	186.	Establishment of Tuberculosis Molecular Bacterial Load Assay (TB-MBLA) in Kenya; Asiko Ongaya
Essential Sexual, Reproductive, Adolescents, Maternal, and Child Health	187.	An Epidemiological Analysis of Environmental Surveillance of Polio in Kenya, Jan 2020 –August 2021; Stephen Ochieng
Mental Health and Other Non-communicable Diseases	188.	Integrating quality improvement principles to scale up adult and pediatric tuberculosis active case finding in Arombe dispensary; Omune Everlyn

