

ECAVI ANNUAL VACCINOLOGY COURSE FOR HEALTH PROFESSIONALS

The East Africa Centre for Vaccines and Immunization (ECAVI) organizes the Annual vaccinology course for health Professionals that equips them to be agents of change and champions for immunization in their localities. Training health workers is a central Pillar of ECAVI, driven by our own research finding that most caregivers rely on health workers for information and advice regarding treatment and immunization choices and decision making. Understanding the threat posed by vaccine hesitancy, how vaccines work, how they are developed, vaccine preventable diseases and their epidemiology, best practices and legal issues in vaccination are some of the topics addressed in the course. The rising cases of health worker and community vaccine hesitancy, adverse events following immunizations, anti-vaccine sentiments, and resurgence of diseases like measles have all increased need for more advocacy and training on better standardized immunization practices and response.

[Download Application Form](#)

PARTNERING ORGANISATIONS

- International Collaboration for Advanced Vaccinology Training (ICAVT)
- Makerere University, Kampala Uganda, Paediatrics Department
- Uganda Paediatric Association (UPA)
- Kenya Paediatric Association (KPA)
- East Africa Centre for Vaccines and Immunization (ECAVI)
- University of Nairobi (UON), Paediatrics Department
- The African Paediatric Fellowship Program (APFP)/ University of Cape Town, SA
- Uganda and Kenya EPI programs/Ministry of Health in Uganda, Kenya
- The Network for Education and Support in Immunisation (NESI)
- The South African Vaccination & Immunisation Centre (SAVIC)
- SPONSORS – GlaxoSmithKline (GSK) Vaccines Division, Pfizer Vaccines Division, Sanofi Pasteur Vaccines Division, MSD, ECAVI, WHO, GAVI

DATES/VENUE:

Annually, Last week of June

Kampala, UGANDA

ABOUT THE COURSE

EDUCATIONAL DESIGN & SELECTION OF PARTICIPANTS

The course targets a maximum of 50 Physical and 100 - 150 Virtual participants. A downloadable formal application form above once completed should be sent to the course administrator, alongside a brief one-page CV. A selection committee comprising the coordinators and course administrator vet the applications and communicate to successful candidates.

The modes of course delivery include: Formal lectures, Case studies and scenarios, videos, Debate and discussions, Practical demonstration sessions, Participant presentations, Assessments and evaluations. Participants complete a series of structured questions at the end of each day to reinforce the key messages. They also complete daily course evaluation/feedback that helps improve future courses. Each participant who attends more than **90%** of sessions earns CPD points and a certificate at the end of the course.

COURSE CONTENT

- Introduction & History of Vaccines in Africa
- Basic Immunology of vaccines (The immune system, how vaccines work, types of vaccines)
- Vaccine Pharmacology (formulation/ composition, indications and administration, and vaccine development)
- Vaccine development process: Preclinical, Phase I, Phase II and Phase III trials and regulatory approval and registration
- An overview of Vaccine preventable diseases and their epidemiology, including COVID-19, Measles, HIV
- Vaccine safety – Assessment/ Recognition and management of AEFI, Post-licensure and post-introduction monitoring of vaccine effectiveness and adverse events following immunization (AEFIs)
- Vaccine registration and WHO prequalification; the process of introduction of a new vaccine into a National immunization program: Important considerations; Vaccination policy and immunization schedules in Eastern Africa
- SAGE – Composition, Roles, Meetings, Communiqués and strategic plans for immunization in WHO
- The media and other stake holders in the vaccination programme: Use of social media/ technology to promote vaccination & tackling infodemics)
- IPC and Vaccine hesitancy and other barriers to immunization
- VPD Surveillance, outbreak response & pandemic preparedness

- Current safety issues and controversies regarding immunization (the media, language, terrain, beliefs, age, culture, communicating on vaccines, vaccine hesitancy and negative messaging)
- Current, New and Vaccines under Development (Pneumococcal, Malaria, HIV, HPV, Rotavirus, IPT, dTAP, Hepatitis, meningococcal, MMR, Yellow fever, Typhoid, Influenza, Chicken pox)
- Vaccine recommendations for the second year of life and across the life course; Vaccine recommendations for travel and mass gatherings
- The roles of GAVI, GVAP, EPI, NITAG, National Immunization days (NIDS) and Subnational immunization days (SNIDS) – Their Role in promoting vaccination/immunization.
- Vaccines for special groups and populations (Maternal Immunization, Childhood, Adolescent, and Adult Immunization Strategies, and Challenges, immunocompromised)
- Vaccine related logistics (Immunization in the health systems context –integration; The cold chain management, Sources, handling storage and transportation of vaccines, Reporting, referrals/linkages, M&E aspects from patient, health facility to community/public health aspects of surveillance, how to set up an immunization clinic)
- Immunization data management and record keeping: relevant tools for data capture, storage, analysis and transmission
- Ebola virus disease: Prevention and treatment, building vaccine confidence during a disease outbreak, Sierra Leone's experience on the roll out of the Ebola vaccine
- Malaria Vaccine: Types, roll out and Case presentations
- Polio, Cholera and yellow fever outbreaks in Africa and vaccine recommendations
- Measles & Rubella Updates – Use of Measles as a Tracer and outbreak response
- Dengue virus disease: Burden, epidemiology & vaccines; Dengue virus Surveillance
- Organization of the EPI Programme, Components of an effective EPI Program – Building partnerships for immunization; EPI at 50, IA2030, Big Catch-up and strategies to address the zero-dose problem
- Vaccine economics and Sustainable immunization financing
- Practical skills training: good immunization practices (Dos and Don'ts and lessons)

COURSE OBJECTIVES:

Upon completion of the Course, participants should be able to:

- Understand the concept and principles of vaccination
- Describe how vaccines work and their side effects

- Describe indications, contraindications, efficacy, and safety of vaccines according to WHO criteria
- Identify, manage and report adverse events following immunizations
- Identify ways to improve communication with patients, parents, and caregivers about vaccination
- Identify best practices for implementing or improving immunization programs
- Understand how to link and partner with other stakeholders involved in vaccination and immunization
- Champion and advocate for uptake and promotion of immunization

METHODS OF COURSE DELIVERY:

- Formal lectures
- Case studies and scenarios
- Debate and discussions
- Practical demonstration sessions
- Participant presentations
- Assessments and evaluations

COURSE CONVENOR

Dr. Ombeva Malande

COURSE ADMINISTRATOR

1. Rachel Afaayo N

COURSE COORDINATORS

1. Dr. Sabrina Bakeera-Kitaka – Makerere University Medical School
2. Prof. Edison Mworzi – Makerere University Medical School
3. Dr. Lawrence Owino Okong’o – University of Nairobi College of health sciences
4. Prof. Andrew Musyoki – The South African Vaccination & Immunisation Centre (SAVIC)/ Sefako Makgatho Health Sciences University

5. Dr. Ombeva Malande – Makerere/Egerton University/ East Africa Centre for Vaccines and Immunization (ECAVI)
6. Dr. Varsetile Nkwinika – The South African Vaccination & Immunisation Centre (SAVIC)/University of Nairobi Sefako Makgatho Health Sciences University
7. Dr. Leonidah Omayo – East Africa Centre for Vaccines and Immunization (ECAVI)
8. Dr. Deo Munube – Makerere University Medical School/ East Africa Centre for Vaccines and Immunization (ECAVI) **FACILITATORS/FACULTY MEMBERS**

1. Dr. Sabrina Bakeera-Kitaka – Makerere University Medical School
2. Prof. Edison Mworozzi – Makerere University Medical School
3. Dr. Lawrence Owino Okong'o – University of Nairobi College of health sciences
4. Prof. Andrew Musyoki – The South African Vaccination & Immunisation Centre (SAVIC)/University of Nairobi Sefako Makgatho Health Sciences University
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8. Dr. Leonidah Omayo – East Africa Centre For Vaccines and Immunization (ECAVI)
9. Dr. Deo Munube – Makerere University Medical School, Dept of Paediatrics
10. Dr. Bongomin Bodo – Gulu University/WHO Uganda
11. Dr. Florence Nantulya – Nakasero Hospital, Kampala
12. Dr. Adolphine Alban Hokororo – Catholic University of Health and Allied Sciences, Mwanza Tanzania.
14. Afaayo Rachel – East Africa Centre for Vaccines and Immunization
15. Carine Dochez – The Network for Education and Support in Immunisation (NESI)
16. Hannelie Meyer – The South African Vaccination & Immunisation Centre (SAVIC)/University of Nairobi Sefako Makgatho Health Sciences University
17. Rose Jalang'o – EPI Program, MOH, Nairobi Kenya
18. Dr. Immaculate Ampaire – UNEPI Program, MOH, Kampala, Uganda
19. Frehd Nghania – UNEPI Program, MOH, Kampala, Uganda
20. Jimmy Ameny – WHO/UNEPI Program, MOH, Kampala, Uganda
21. Dr. Sanjay Gandhi – GSK
22. Mutunga Nzoka – East Africa Centre For Vaccines and Immunization (ECAVI)
23. Dr. Clara Ogutu – GSK

24. Rose Jalang'o - EPI Manager, Kenya
25. Salim Parker Consultant, Travel Medicine and Infectious diseases
26. Stephen B Kennedy – Senegal, Ebola expert
27. Paul Yonga – Consultant, Travel Medicine and Infectious diseases
28. Idrissa Dieng - MSD
29. Jacqueline Anena – PATH Uganda
30. Melanie Marti – SAGE, WHO Geneva
31. Madzivhandila Mashudu
32. Lawrence Akunga – Sanofi Pasteur
33. Dr. Celia Nalwada – NITAG, Uganda
34. Dr. Annet Kisakye – WHO Uganda
35. Beatrice Mutonyi – UNEPI Program, MOH, Kampala, Uganda
36. Benjamin Watyaba – East Africa Centre For Vaccines and Immunization (ECAVI)
37. Dr. Vincent Kioi – International AIDS Vaccine Initiative (IAVI) – Kenya
38. Prof. Mupere Ezekiel – Makerere University Medical School, Dept of Paediatrics
39. Dr. Orikiriiza Judith – Infectious Disease Institute, Makerere University
40. Other special faculty from Central country EPI program managers, Vaccine Manufacturing/marketing Stakeholders

CONTACTS

Direct your enquiries to:

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