

**African Rotavirus Network  
Scientific Presentations 2016**

**10<sup>th</sup> African Rotavirus Symposium**  
**Bamako, Mali 1-2 June 2016**

*Symposium proceedings*

Sow SO, Steele AD, Mwenda JM, Armah GE, Neuzil KM. Reaching every child with rotavirus vaccine: Report from the 10<sup>th</sup> African rotavirus symposium held in Bamako, Mali. *Vaccine* 2017 Oct; 35(42): 5511-18.

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- Fanta Siby Diallo. New Vaccine Introduction in Mali – Evidence to Policy
- Jason Mwenda. Sustaining Rotavirus Vaccine Introductions in the African Region
- Samba Sow. Introduction to Keynote Address
- Duncan Steele. Keynote Address: Reaching Every Child with Rotavirus Vaccines
- Jackie Tate. Global Burden of Rotavirus Disease
- Karen Kotloff. Acute Diarrheal Disease Etiology in Africa: A Re-analysis of the Data Using Advanced Molecular Microbiological Techniques
- George Armah. The Etiology of Severe Diarrheal Incidence in West and Central Africa from the Regional Reference Laboratory
- Nicola Page. The Aetiology of Severe Diarrhoea in South and East Africa Based on Specimens Obtained from the African Regional Rotavirus from the Regional Reference Laboratory
- Janet Mans. Norovirus in Africa: Is it an Important Pathogen?
- Martin Antonio. Norovirus in a Community Based Case-control and Longitudinal Study in Africa and Asia
- Umesh Parashar. Global Rotavirus Vaccine Introduction and Impact
- Bhavin Jani. Rotavirus Vaccine Effectiveness in Tanzania
- Margaret Mokomane. Impact and Effectiveness of Rotavirus Vaccination in Botswana
- Isidore Bonkoungou. Early Impact of Pentavalent Rotavirus Vaccine in Burkina Faso, West Africa
- Evans Mpabalwani. Impact of Rotavirus Vaccination on Diarrhoeal Hospitalizations in Under 5 Year Old Children in Lusaka, Zambia
- Enyonam Tsolenyanu. Impact and Effectiveness of Rotavirus Monovalent Vaccine in Togo
- Evans Mwila. Intussusception Surveillance, Challenges and Implications: Overview
- Richard Omore. Intussusception Surveillance in Kenya: Preliminary Updates, 2002- 2016
- Joel Bikoroti. Country Perspectives: Rwanda
- Hope Glover Addy. Country Perspectives: Ghana
- Tapsoba W. Tousaint. Country Perspectives: Burkina Faso
- Michelle Groome. Post-marketing Intussusception Monitoring after Introduction of Oral Rotavirus Vaccine in South Africa
- Chinedu Chukwubike. Diversity of Circulating Rotavirus Strains in Enugu Nigeria Prior to the Introduction of Vaccination

- Belinda Lartey. Association Between Secretor Status and Rotavirus Infection in Ghanaian Children Below 5 Years Old
- Adama Keita. Intussusception Surveillance Among Children Before Rotavirus Vaccine Introduction in Bamako, Mali
- Sammy Khagayi. A Six Year Experience of Population Based Rotavirus Surveillance in Western Kenya, Pre and Early Post Vaccine Introduction; Lessons Learned and the Way Forward
- Almaz Abebe Tadesse. Trends of Diarrheal Admissions Before and After Rota Vaccine in Ethiopia
- George Armah. Rotavirus Vaccines and the Microbiome.
- Roma Chilengi. Association of Maternal Immunity with Antibody and Rotavirus Vaccine Immunogenicity in Zambian Infants
- Mapaseka Seheri. Rotavirus Strain Diversity and Impact of Vaccination in Africa Before and After Vaccine Introduction
- Martin Nyaga. Whole Genome Sequence Analysis of Rotavirus Strains and the Implications for Vaccine Impact
- Samba Sow. Rotavirus Vaccine Alternative Schedules and Doses
- Kathy Neuzil. Sustainability and Financing for GAVI and GAVI-graduating Countries
- Charles Sigei. Cost-effectiveness of Rotavirus Vaccines in Kenya
- Megan Carey. New Rotavirus Vaccines and Perspectives
- Goitom Weldegebriel. A Comprehensive Integrated Approach to Diarrhea Disease Control
- Joseph Nsiari-Muzeyi Biey. GAPPD: West Africa Sub-Regional Perspective
- Jason Mwenda. Future of the AFRO Rotavirus Surveillance Network

#### Poster Presentations

- Almaz Abebe, Mekonnen Getahun, Mapaseka Seheri, Berhane Beyene, Essete Assefa, Birke Teshome, Mesfin Tefera, Ferehiwot Kebede, Abebe Habtamu, Tewodros Haile-Mariam, Aron Kassahun, Aysheshem Ademe, Telahun Teka, and Jason M. Mwenda. Characterization of rotavirus genotypes before and after vaccine introduction in Ethiopia: 2008-2014
- Agbla Jijoho Mischaël michel; Capo Chichi Annick; Yadouleton Anges; Bankole Honoré Sourou; Glele-kakai Clément; Loko Frédéric; Sossou Aristide; Armah George; Mwenda Jason. Immuno-molecular study of rotavirus responsible of childhood diarrhea at Cotonou, Benin Republic
- Boula Angeline, Ngum Ndze Valantine, Njiki Kinkela Mina, Ngoh Rose, Njiki Kinkela Mina, Ngum Ndze Valantine, Kemajou grace, Ngoya Ebiguide Roger, Nkolo Mviena Gaston, Baonga ba Pouth, Nimpa Marcellin, Kobela Marie, Mwenda Jason M, Koki Ndombo Paul. Molecular characteristics of circulating rotavirus strains following the introduction of monovalent rotavirus vaccine in Cameroon: Preliminary data
- Jorfélia Chilaúle, Eva João, Ezequias Siteo, Jerónimo Langa, Marta Cassocera, Miguel Bambo, Esperança Guimarães, Júlia sambo, Elda Anapakala, Idalécia Cossa-Moiane & nilsa de deus. Rotavirus Surveillance in Mozambique: Epidemiology and Genetic Characterization, 2014-2015
- Amadu DO, Saka AO, Fadeyi A, Abdulkadir MB, Aderibigbe AS, Tijani D, Ojuawo A, Nwabuisi C, Elemuwa C, Johnson T, Mwenda J. Ticha. Molecular Characterization of

Rotavirus Isolates from Under Five Children Presenting with Acute Diarrhea in Ilorin North Central Nigeria

- Dennis FE, Damanka S, Lartey BL, Asamoah F, Operario D, Houpt E, Mwenda J, Armah GE. The Role of Other Pathogens in Rotavirus-Associated Diarrhoea in Rural Northern Ghana
- A. Diop, M.A. Sonko, A. Thiongane. Ndiaye B. Ndoiyeb, A. Diallo, B. Lartey, M. Ba, M.F. Cissé. Molecular evolution of Group A Rotavirus strains after the Rotavirus vaccine introduction in the Senegal's Expanded Program Immunization
- Carolina Gasparinho, João Piedade, Maria Clara Mirante, Cristina Mendes, Carlos Mayer, Susana Vaz Nery, Miguel Brito, Claudia Istrate. Rotavirus infection and genotype characterization in Caxito, Bengo Province, Northern Angola, before vaccine introduction
- Abebe Habtamu, Almaz Abebe, Tewodros Hailemariam, Tilahun Teka, Frehiwot. Trends of diarrheal admissions before and after Rota vaccine in Ethiopia
- Mary Galo, Nicholas M. Kiulia, Atunga Nyachieo, Ina Peenze, Andrew D. Steele, Jason M. Mwenda. Survey and characterization of human Rotavirus in HIV-infected children in Kenya
- Maemu P Gededzha, Martin Nyaga, Mapaseka Seheri, Angeline Boula, Amadou Diop, Kader Ndiaye, George Armah, Jason Mwenda, Jeffrey Mphahlele. Whole genome analysis of the G2P[6] rotavirus strains from Cameroon, Ghana, Senegal and South Africa
- Mekonen Getahun, Kassu Desta, Berhane Beyene, Almaz Abebe. Microbial Etiology of Acute Gastroenteritis among Children Under Five Years in Selected Health Facilities of Addis Ababa, Ethiopia
- Bertin KOUAME, Cathérine BONNY- CISSE, Rebecca N'GUESSAN, Hamidou KONE, KOSSIA
- Yao, KOUADIO Nestor, N'ZUE Kofi, BROU Noel. Action Plan for Intussusceptions Surveillance Team's Training Before Rotavirus Vaccine Implementation in Cote D'Ivoire
- Lartey BL, Damanka S, Dennis FE, Enweronu-Laryea CC, Ansong D, Narh CT, Diamenu SK, Mwenda JM, Armah GE. Pre and Post Vaccine Introduction Rotavirus Strain Distribution in Ghana (2009 - 2015)
- Mohamed Iemine CB. Ahmed; Negar Aliabadi; Weddih Abdellahi; Umesh D Parashar; Nacerdine O Zeidoune; Jacqueline E Tate; Meriem Sidatt; Jason M Mwenda; Abdelkarim Filali-Maltouf; Diop D Djibril; Benhafid Mohammed. Prevalence of rotavirus in Mauritania before the introduction of rotavirus vaccine.
- Maphalala GP, Phungwayo N, Ruhinda E, Lukhele NJ, Masona G, Gethagun I, Dlamini N, Dube N, Dlamini S, Khumalo L, Mwenda J, Welgebriel G. Diarrheal outbreak among infants caused Rotavirus infection in Swaziland, 2014
- Ulrich Aymard Ekomi Moure, Virginie Banga-Mingo, Jean Chrysostom Gody, Jason Mwenda, Jean Fandema, Diane Waku-Kouomou, Casimir Manengu, Thomas D'Akin Koyazegbe, Mathew D. Esona, Michael D. Bowen, Ionela Gouandijka-Vasilache. Emergence of G12 and G9 rotavirus genotype in the Central African Republic, January 2014 to February 2016
- Mwinyi B, Mbatha D, Mwenda J et al. Evaluation of Rotavirus Vaccine Impact and Epidemiological Trends in Kenyatta National Hospital, Kenya

- Valantine N. Ndze, Paul Koki Ndombo, Taku Nadesh Ashukem, Angeline Boula, Diane Waku-Kouomou, Mina N. Kinkela, Corlins E. Ndode, Mathew D. Esona. Pre-vaccine circulating group A rotavirus strains in under 5 years children with acute diarrhea during 1999-2013 in Cameroon supports the necessity for continuous rotavirus surveillance.
- Ndze et al. Stable backbone genes among representative rotavirus group A strains in Cameroon, 2010-2011.
- Ngomane TG, Peenze I, Seheri ML, Mphahlele JM. Genetic Diversity of Group A Rotavirus Strains Circulating in Pigs from Five Provinces in South Africa During 2007, 2008 and 2015
- F. NGOY, v.tubijinga, M. Ngoy, V. Tubijinga,, M. Nlandu, B. Makubikua, A. Bankoto, M. Biamungu, M.P Lusinga, C. Akele, A. Nkongolo, T. Coulibaly, J. Mwenda, E. Pukuta, M. Nyembwe, J.J. Muyembe, A. Mbule, M. Mailhot, A. D. Coulibaly, L. M. Seheri, J. Mphahlele, V. Mondonge, D. Waku, M. D. Esona, K. F. Cavallaro, J. Gentsch, B. A. Dahl, L. Bazira, M. D. Bowen, M. Nzanzi. The Seasonality of Rotavirus Diarrhea on the Sentinel Site of the Pediatric Hospital of Kalembe Lembe (DRC) Between 2009 and 2015
- Nkongolo et al. Rotavirus surveillance in Democratic Republic of the Congo, August 2009 to December 2015
- Ina Peenze, Mapaseka Seheri, Martin Nyaga, Duncan Steele and Jeffrey Mphahlele. Whole genome sequencing analysis reveals high stability of genotype constellations of porcine and bovine rotavirus strains in South Africa.
- E. Pukuta, M. Ngoie, G. Kitambala, M. Panzu, V. Tubijinga, D. Monga, Kibaka, Y. Lay, N. Mitonga, F. Nkawa, A. Nkongolo, S. Ahuka, JJ. Muyembe, J. Mwenda. Burden and Molecular Epidemiology of Rotavirus strains in Democratic Republic of Congo in 2014
- Pursem V.N, Bahadoor B, Baurhoo A, Mangar T, Chojoo K, Seheri L. M, Mwenda J.M, Weldegebriel G, Mphahlele M J, Manraj S. Trends in circulating rotavirus genotypes before and during the year of vaccination in Mauritius
- Raboba JL, Rahajamanana VL, Andriatahirintsoa EJPR, Rakotozanany A, Razafindrakoto AC. Razaiarimanga C, Rakotomanga LM, Robinson AL. Impact of Rotavirus vaccine on the Rotavirus gastroenteritis in Madagascar.
- Rakau KG, MM Nyaga, MP Gededzha, J Mwenda, MJ Mphahlele, LM Seheri. Genetic Investigation of G12P[8] and G12[6] Rotavirus Strains in Several African Countries.
- Mapaseka Seheri, Maemu Gededzha, Martin Nyaga, Serifo Monteiro, Mathew Esona, Ina Peenze, Duncan Steele, Jason Mwenda and Jeffrey Mphahlele. Phylodynamic Analyses of Human and Bovine G6 Rotavirus Strains from Guinea Bissau and South Africa
- Bakary Sanneh, AhmadouLaminSamateh, AlhagiePapa Sey, Mariama Sonko, Abdoulie Bah, Dawda Sowe, Kebba M.S Gibba, Alhagi Singhateh, Musa S Ceesay, Ignatius Baldeh1, Jason M. Mwenda and Sheriffo Jagne. The prevalence of rotavirus infections and Intussusceptions pre and post-vaccination among children under 5years in The Gambia
- Tubijinga et al. Surveillance of rotavirus diarrhea on the sentinel site of pediatric hospital of Kalembe DRC between 2009 and 2015.
- Uwimana J, Rugambwa C, Seheri M, Mphahlele J, Mwenda J, Weldegebriel G, Mutesa L. Trends in circulating genotypes pre- and post-rotavirus vaccine introduction in Rwanda
- Eyasu Wakjira, Samuel Sisay, Daniel Zewdneh, Yocabel Gorfu, Tesfaye Kebede, Amezene T, Kassa Darge, Abebe Habtamu. Reducing by three-quarter the surgical laparotomy rate for intussusception with the introduction of US-guided hydrostatic reduction