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Sero-detection of Rotavirus and Adenovirus gastroenteritis co-infection in children attending plateau state specialist hospital, jos, plateau state Nigeria

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This research investigated the prevalence and clinical role of Rotavirus 'A' and Adenovirus type 40/41 responsible for infantile gastroenteritis in 100 children attending Plateau State Specialist Hospital Jos, with acute diarrhea. Rotavirus 'A' and Adenovirus type 40/41 were detected as mono-infections 14(14%) samples and co-infections were detected in 18(18%) samples out of 32(32%) positive samples. In terms of frequency, Rotavirus was detected in 10 (10%) of the samples followed by Adenovirus type 40/41 4(4%). The samples were analyzed using Vikia Rota-Adeno test kit Biometrieux" Lyon, France. The results obtained were analyzed with SPSS v15.0. There was high prevalence rate of Rotavirus 4(4%) and Adenovirus 40/41 2(2%) in age group 13-24 months and the lowest rate of Rotavirus 1% were found in age group 37-48 months. Prevalence rate of Gender and clinical symptoms were significant ($p < 0.05$) while age groups and types of infections were insignificant with p value > 0.05 .

Biography

Aluko Adegboyega completed his Higher Diploma and Associate Degree in Medical Laboratory Science from FCVMLS in Nigeria. Aluko has received many commendations. He is a committed young Researcher and Quality Assurance officer at APIN/PEPFAR HIV laboratory UCH Ibadan. He coordinates and monitors all external Quality Assurance (EQA) and Internal Quality Control (IQC) and reviewing all reports and documentations in all the labs regularly under his control for all the tests and procedures undertaken. He develops Quality Assurance tools and assessment checklists in all this labs in accordance with national and international standards.

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