

Prevalence of Rota and Adenoviruses 40 and 41 infection in children suffering from acute gastroenteritis hospitalized in Ardebil Buali hospital.

Abstract

Introduction and objective: Gastroenteritis, the inflammation of stomach and intestine, is caused by a variety of Microorganisms including viruses. Especially Rota and Adeno viruses are two etiologies of gastroenteritis in newborn and infants. The aim of this study was to determine the Prevalence of Rota and Adeno viruses inducing gastroenteritis in children hospitalized in Ardabil Buali hospital, Iran.

Material and Methods: This was a cross – sectional descriptive study carried out during – 2013 to 2014. A total of 100 stool Samples from hospitalized children with severe diarrhea were collected from Buali hospital of Ardabil. All samples were tested by an Immunochromatographic Kits (Rota – strip and Adeno strip), specific for Rota and Adeno viruses detection.

Results: out of 100 fecal specimens, Rota and Adeno viruses were detected in %39 and %1 of samples, respectively.

Conclusion: According to the data from the present, study, Rota virus is the major etiology of gastroenteritis in Ardabil province.