



Study of Inappropriate prescribing of antibiotics in pediatric Gastroenteritis in Imam Reza Hospital-Bojnurd

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Introduction:

Increasing microbial resistance to antibiotic medications are a common phenomenon in developing countries and development country. In this study, administration of correct, incorrect and inappropriate antibiotic in children under 7 years of age with Gastroenteritis in the pediatric ward of Imam Reza (AS) in the years 2012-2013 was performed Bojnurd-Iran.

Materials and Methods:

This cross-sectional study on 400 children under 7 years of age with gastroenteritis in the pediatric in Imam Reza Hospital-Bojnurd in 2012-2013 was performed. Data were analyzed with SPSS 11 software and chi-square and Mann-Whitney tests.

Results:

56% of children were boys and 44% were girls. Chi-square test showed there is a significant relationship between administration antibiotics and Stool($p < 0.05$). So that in the group with prescribed antibiotics, 78% of them Stool samples were negative. Kappa coefficient (-0.125). There was reverse agreement between the antibiotic and the stool.

Conclusion:

Selection antibiotic regimen based on culture and diagnostic tests, is a complex process involving several different factors. Due to majority of gastroenteritis in children are viral, it is necessary to prevent resistance microbial antibiotic diarrhea based on experimental results (stool culture and stool analysis) in the case of appropriate antibiotics may be prescribed.

Keywords: Antibiotics Inappropriately, Microbial Resistance, Non-Inflammatory Diarrhea.

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