

Incidence and other related factors of campylobacter species among patients with diarrhoea presenting to Lady Ridgeway Children's Hospital.

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The main importance of Campylobacter lies in their role as an enteropathogen of man. Incidence of Campylobacter enteritis is increasing worldwide. In developed countries Campylobacter is the commonest bacterial pathogen causing gastroenteritis. As laboratory diagnosis needs special requirements available data regarding Campylobacter studies are available to assess the extent of the disease burden in developing countries. Situation in Sri Lanka is no exception to the other developing world in this respect. This study was carried out at Lady Ridgeway Children Hospital , Colombo and 438 children less than 10 years who had acute diarrhea were included in this study. Stools were examined macroscopically, microscopically and cultured on Campylobacter selective medium (Butzler) and on routine enteric media. Suspected colonies were presumptively identified by using Gram stain, Catalase, Oxidase and typical motility biochemical test used for further identification were Hippurate hydrolysis, Indoxyl hydrolysis, Cephalothin sensitivity , Nalidixic acid sensitivity, H₂S production and urease production. ABST was done on Muller Hinton Agar with 5 percent sheep blood using disk diffusion method (NCCLS).