was detected in 4 cases. The mean age was 10 months. The AD was more frequent during winter months. The prevalence of AD was equivalent in both genders. The mean hospital stay was shorter in the last year.

Conclusion: Acute diarrhea is an important cause of admission in our department and Rotavirus is an important etiological agent of acute diarrhea in children. Preventive strategies must be implemented in our community.

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CORELATION OF GROWTH HORMONE ANALYSIS WITH LINEAR GROWTH IN EXTRAHEPATIC PORTAL VENOUS OBSTRUCTION IN CHILDREN

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Introduction: EHPVO has been considered to cause short stature. But, information about growth hormone analysis in extrahepatic portal venous obstruction (EHPVO) in children is limited. We therefore studied these parameters in EHPVO children (< 18 years of age).

Methods: The diagnosis of extrahepatic portal venous obstruction (EHPVO) was made on the basis of ultrasound examination. This Prospective study conducted over 52 children of EHPVO with 41 patients in group 1 (normal stature) and 11 patients in group 2 (short stature) as per NCHS standards. Levels of GH and IGF1 of all patients (n=52) were compared to normal healthy children (n = 20). Levels of normal stature group were also compared to short stature group.

Results: Levels of growth hormone was significantly higher in patient population (67.37 ± 25.66 ng/ml) as compared to controls (4.66 ± 2.74 ng/ml), while IGF 1 was significantly lower in patient population (3.85 ± 4.17 ng/ml)

as comparison to control population (91.30 ± 60.88 ng/ml). But, there was no difference of growth hormone and IGF 1 levels between group 1 and group 2.

Conclusion: It is noteworthy here that growth hormone resistance exists in EHPVO. As there was no difference between normal stature and

short stature, so, it does not seem to effect on growth. Further studies required to confirm this observation.

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RADIONUCLIDE GASTROESOPHAGEAL REFLUX SCAN; AN EFFECTIVE SCREENING TOOL FOR INFANTS/CHILDREN WITH REPEATED CHEST INFECTIONS

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Objective: Unexplained recurrent chest infections are a cause of failure to thrive in infants and young children. Repeated hospital admissions with respiratory symptoms are an extra economic burden on the health budget along with the morbidity. Aim of this study was twofold; first to analyze the utility of Nuclear Medicine to screen children with clinically significant gastroesophageal reflux and secondly to evaluate the lesion after conventional treatment.

Place of study: Punjab Institute of Nuclear Medicine in collaboration with department of pediatrics, Allied Hospital Faisalabad.

Patients and methods: Seventy clinically symptomatic patients underwent Gastroesophageal Reflux (GER) Scan with effective fasting of 1-3hrs. 20-37MBq of ^{99m}Tc labeled Colloid was diluted in milk for oral intake. 30min dynamic study with 3 second per frame was acquired. Both qualitative and quantitative analysis was done using cine review, time active curves (TAC) and percentage reflux index (%RI). Patients with high grades of reflux were reviewed again after 08 weeks of conventional antireflux treatment.

Results: 63% of the patients (44/70) were reflux positive, of which (26/44) were in grade I/II category while (13/44) showed moderate degree reflux and only (2/44) showed severe reflux. Chest infection was the chief clinical presentation in each case (57%). Eighty percent of selected patients (8/10) showed improvement with conventional antireflux treatment.

Conclusion: GER scan is a non-invasive, effective way of screening clinically symptomatic babies for reflux of gastric contents. Quantitative assessment of improvement after conventional antireflux treatment offers cost-effective follow-up of GERD.