

**Abstract PO-0102 Table 2** p values of pre- and post-operative variables in association with TIPSS failure

	Successful TIPSS				Failed/Revised TIPSS			
	Pre-operative		Post-operative		Pre-operative		Post-operative	
	Mean	P value	Mean	P value	Mean	P value	Mean	P value
Haemoglobin	10.33	0.43	11.6	0.137	11.33	0.526	13.3	0.319
Platelets	95.67	0.48	113	0.42	92.17	0.325	94.3	0.546
WBC	9.33	0.318	4.62	0.474	5.83	0.158	4.6	0.614
ALT	81.33	0.588	43.9	0.563	71.83	0.58	52.33	0.592
AST	46	0.599	58.5	0.611	46.3	0.653	35.6	0.447
ALP	145.33	0.105	275.5	0.615	372.17	0.027*	182.3	0.521
GGT	22	0.426	56.7	0.316	36.5	0.451	105	0.354
PT	12	0.505	16.9	0.582	15	0.392	18.7	0.681
PTT	37.67	0.776	39.7	0.055	37.5	0.871	53.6	0.268
INR	1.33	0.12	1.3	0.133	1.5	0.25	1.5	0.423
Urea	3.33	0.656	3.9	0.634	3.33	0.653	4.38	0.607
Creatinine	26	0.485	45.8	0.46	36.17	0.466	53.3	0.623

Significant p-values

**Results** A total of 10 children (7 females) underwent TIPSS. The primary indication was variceal haemorrhage in all the patients with different diagnoses (Table-1). Congenital Hepatic Fibrosis was the most common aetiology (50%). Three patients (30%) needed revision in a mean of 24.2 month post-procedure. 7 patients (70%) did not require revision 36 month post procedure, with a mean follow up of 60.5 month.

Pre-operative high serum alkaline phosphatase (ALP) was associated with TIPSS failure (p value =0.027) and thus, can be used as a pre-operative predictor for failed TIPSS. Other variables did not show significant association with TIPSS procedure including patients age and weight.

**Conclusion** This study involves the association of multiple variables with TIPSS outcomes in children. ALP showed a relative association as a predictor to TIPSS failure. Further studies are needed with a larger sample.

#### PO-0103 EVALUATION OF THE PAEDIATRIC PATIENTS WITH GASTROINTESTINAL BLEEDING: EXPERIENCE OF A TERTIARY CENTRE

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**Introduction** Gastrointestinal bleeding (GB) can be seen in children of all ages and it is one of the frequent application reason to paediatric gastroenterologists. Even though the causes of bleeding differs according to age groups, it may become life-threatening depending on the severity of the bleeding.

**Aim** The aim of the study was to determine the demographical and etiological factors of patients who admitted to our clinic with upper or lower gastrointestinal bleeding.

**Material and method** 94 patients, were included to the study, admitted to Uludag University Faculty of Medicine Paediatric Gastroenterology department with upper or lower gastrointestinal bleeding between January 2010 and June 2013. Patients' files were evaluated retrospectively.

**Results** The number of patients with upper gastrointestinal bleeding (UGB) was 53, average ages of these patients was 11.1 years (2–18 years), 45.3% were female and 54.7% were male, respectively. At the aetiology of these bleeding cases H.pylori were detected in 18.8%, peptic or duodenal ulcer were detected in 10 patients (range of ages 10–18 years, average 12 years) and H.pylori was detected in only two patients with ulcer. While all gastric mucosa were hyperemic in 26 patients, distal esophagitis or duodenitis were detected also in 23 patients with UGB.

Esophageal variceal bleeding was the cause of 4 patients with UGB and chronic renal failure was associated to bleeding in one patient. Barrett's oesophagus was detected histologically in 10 and 13 years of age two patients. Four patients had a history of nonsteroidal anti-inflammatory drug use prior to bleeding. Henoch-Schonlein disease was diagnosed in 7 years old male patient. Bleeding was the first symptom of this disease in this case and purpura was occurred after 4 days of bleeding. The remaining 41 cases were called idiopathic bleeding. Range of the ages of 41 patients with lower gastrointestinal bleeding (LGB) was 11.1 years and 24 patients were male (58.5% male, 41.5% female, respectively). Ulcerative colitis was diagnosed histologically in 9 patients (21.9%). Polip in rectum or sigmoid colon was detected in 6 patients, nonspecific chronic inflammation was reported pathologically in patients with polip and there were no family history for polip in these patients. Colonoscopy was normal in 13 patients (31.7%) with LGB.

**Conclusion** Chronic gastritis was detected majority in aetiology of the patients with UGB and we thought that bad dietary habits had great importance in these cases. 21.9% cases with LGB were diagnosed with ulcerative colitis. All cases were evaluated, there were no death because of bleeding at the prognosis of these patients.

**Discussion** Gastrointestinal bleeding is one of important reason for reference of tertiary centre in children. Considering the frequency of H.pylori positivity in our society, 18.8% were found to be positive in cases with UGB. Although the vast majority of patients with LGB were idiopathic, ulcerative colitis plays an important role in patients with LGB.

#### PO-0104 DIFFERENT CLINICAL SPECTRUM OF CYTOMEGALOVIRUS HEPATITIS IN INFANTS

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**Background and aim** Cytomegalovirus (CMV) is, a member of the herpes viridae family, found widely in nature and the most common congenital infection in newborns. The average incidence of CMV infection in newborn infants is 1%. Irreversible signs of central nervous system involvement (microcephaly, deafness, mental-motor retardation) develops in 5–10% congenitally infected infants. Signs of perinatal infections, hepatosplenomegaly, pneumonia, hepatitis, are seen, but in this period neurological sequelae are rare. In this study, CMV-infected patients who were admitted to our clinic within 3 months were examined.

**Methods** Between the date of December 2013 and February 2014, in total five CMV infection (min 45 days, max 2 years–4 months old) have been detected at Uludag University, Faculty of Medicine, Department of Paediatric Gastroenterology. Three of those patients admitted with jaundice and other two patients were detected during the pancytopenia aetiology and vomiting aetiology investigation.

In our series, which consist of developed CMV hepatitis cases due to different etiological reasons, retrospective examination is conducted with clinical and laboratory findings.

**Results** Biliary atresia was detected in three patients. One is by intraoperative cholangiography and other two, as evidenced by histopathology. In the fourth case, CMV infection was detected simultaneously with vitamin B<sub>12</sub> deficiency during pancytopenia investigation. In the fifth patient, performed liver transplantation due to neonatal hepatitis, CMV infection was detected during