Abstract IDDF2018-ABS-0202 Figure 1

decline and the gut microbiota prone to the donors. Gut microbiota may be a new target for the treatment of HBsAg negative CHB.

IDDF2018-ABS-0202 OUTCOMES OF THE CONVENTIONAL SIDE-VIEWING DUODENOSCOPE FOR ERCP IN BILLROTH II GASTRECTOMY PATIENTS

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Background Endoscopic retrograde cholangiopancreatography (ERCP) in patients with prior Billroth II gastrectomy is a challenging procedure for the endoscopist. The aim of this study was to evaluate the usefulness of the conventional side-viewing duodenoscope for ERCP in Billroth II gastrectomy patients.

Methods The records of patients with previous Billroth II gastrectomy referred for ERCP between July 2008, and January 2017 were retrospectively reviewed. The outcomes combined with risk factors for ERCP-related adverse events were analysed.

Results A total of 106 consecutive patients undergoing 123 ERCP procedures using a conventional side-viewing duodenoscope were enrolled. The success rate of the selective entrance to the afferent loop and access to the papilla was 93%, 89%, respectively. In cases of successful access, the rate of successful selective cannulation was 96.6%. The rate of clinical success was 84%. Adverse events related to ERCP occurred in 20 procedures (16.2%): pancreatitis, asymptomatic hyperamylasaemia, perforation and cholangitis were in 6 procedures (4.9%), 11 procedures (8.9%), 1 procedures (0.8%), 2 procedures (1.6%), respectively. Female (odds ratio [OR], 4.210; 95% confidence interval [CI], 1.581–11.214; $p=0.004$) and periampullary diverticulum (OR, 4.373; 95% CI, 1.713–11.164;

$p=0.002$) were significantly associated with the incidence of ERCP-related adverse events.

Conclusions The conventional side-viewing duodenoscope can be safely and effectively used to perform ERCP in most Billroth II gastrectomy patients. Female and periampullary diverticulum might be significant risk factors for ERCP-related adverse events.

IDDF2018-ABS-0219 ASSESSMENT OF CORRELATION BETWEEN NON-ALCOHOLIC FATTY LIVER DISEASE AND SEVERITY OF CORONARY ARTERY DISEASE IN YOUNG ACUTE CORONARY SYNDROME PATIENTS

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Background Coronary artery disease (CAD), which clinically manifested as an acute coronary syndrome (ACS) is an important extrahepatic cardiovascular complication of non-alcoholic fatty liver disease (NAFLD). To date, little is known about the correlation between young patients with ACS and NAFLD. Aim to assess the correlation between NAFLD and severity of CAD in young ACS patients and determine the prevalence of NAFLD in this cohort.

Methods This cross-sectional study included young (45 years and less) ACS patients. Coronary angiogram was performed to assess CAD severity, and complexity determined by SYNTAX score. CAD severity was classified into: no apparent CAD, mild CAD, single vessel disease (SVD) and multi-vessel disease

(MVD). Liver ultrasound was used to diagnose and grade the NAFLD (grade 1–3). NAFLD fibrosis score (NFS) was calculated, and patients were stratified to low, indeterminate, and high probability for advanced liver fibrosis.

Results Total of 85 patients with median age of 40 years (IQR 35–43) and predominated by males (84.7%). Thirty-three (38.9%) had ST elevation myocardial infarction (STEMI), 32 (37.6%) had Non-STEMI and 20 (23.5%) had unstable angina. MVD was demonstrated in 36.5%, SVD in 24.7%, mild CAD in 31.8%, and no apparent CAD in 7.1% of the patients. Median Syntax score was 16 (IQR 9.0–22.3). NAFLD was diagnosed in all, 85 (100%) patients, with 13 (15.2%), 36 (42.4%) and 36 (42.2%) patients had grade 1, 2 and 3 liver steatosis respectively. NFS detected low advanced fibrosis probability in 60 (70.6%) patients, indeterminate probability in 24 (28.2%) patients and high probability in only 1 (1.2%) patient. No significant correlation between grades of NAFLD with ACS subtypes ($p=0.72$), severity of CAD ($p=0.882$) and SYNTAX score ($p=0.982$). No significant association between NFS and ACS subtypes ($p=0.232$), severity of CAD ($p=0.445$) and SYNTAX score ($p=0.624$, $r=0.07$).

Conclusions NAFLD is highly prevalent in young patients presented with ACS, and it should be routinely screened in our clinical practice. However, in a small cohort, we observed no significant correlation between severity of NAFLD and severity of CAD among young ACS patients.

IDDF2018-ABS-0235 REAPPRAISAL OF THE ACCURACY OF DIAGNOSTIC CRITERIA FOR SPONTANEOUS BACTERIAL PERITONITIS IN CIRRHOTIC PATIENTS WITH OR WITHOUT HEPATOCELLULAR CARCINOMA: A PRELIMINARY RESULT

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Background Since 1976, the laboratory diagnosis of spontaneous bacterial peritonitis (SBP) has been established by ascitic-fluid (AF) polymorphonuclear-leucocyte (PMN) count $\geq 250/\text{mm}^3$ with or without the AF culture result in cirrhotic patients. We aimed to reevaluate whether the current cutoff count of PMN would be still optimal to diagnose SBP in cirrhotics having a hepatocellular carcinoma (HCC) or not.

Methods This preliminary study included 136 consecutive patients having cirrhosis with ($n=60$) or without HCC ($n=76$) and a positive AF culture at the first exploratory paracentesis between 2007–2016 as the SBP group; and 202 cirrhotics with neither bacterascites on the first AF specimen nor any typical symptoms suggestive of peritoneal infection as the non-SBP control group. Among the SBP group, none had a clinical suspicion of secondary peritonitis and malignant ascites.

Results Fever (28%) and *E. coli* (22%) were the most common symptom and isolated pathogen, respectively in the SBP group. Ascitic white-blood-cell and PMN counts, and lactate-dehydrogenase were significantly higher in the SBP group, whereas glucose and serum-ascites-albumin-gradient were higher in the control group ($P_s < 0.05$). Total-protein and pH in the AF were similar in both groups. For the entire SBP patients, receiver-operating-characteristic analysis to determine

the diagnostic performance of ascitic-PMN $\geq 250/\text{mm}^3$ showed a sensitivity of 87% and a specificity of 95%, comparable between the LC and HCC subsets. There were no differences in both AF results and symptoms between SBP patients with cirrhosis and HCC. The 90th-percentile limits for the ascitic-PMN counts were 246 and $466/\text{mm}^3$, respectively for the LC and HCC subsets with SBP.

Conclusions Based on our results, update or revision of the old threshold count for ascitic-PMN may be taken into consideration to be timely treated with antibiotics in not only HCC patients but cirrhotics who have established or suspected SBP, leading to prevention of undertreatment of serious infection and overtreatment of sterile ascites. Our further study of the extended cohort is ongoing.

IDDF2018-ABS-0247 PORTAL CAVERNOMA IN A NON-CIRRHOTIC YOUNG FEMALE: A CASE REPORT

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Background Cavernous transformation of the portal vein is a rare entity and usually is a sequela of EHPV.

We report a case of a 21 year old Filipino female presented with a history of intermittent hematemesis which started when she was 1 year old. Pre-natal and birth history was unremarkable. She had recurrent episodes of upper GI bleeding even at a young age. No other stigmata of liver disease were noted. Endoscopic band ligation bleeding varices was done. Liver function tests, Hepatitis B and C screening were negative. Abdominal MRI and CT scan revealed portal cavernoma and absence of cirrhosis.

Methods We report a case of a young female adult in whom the diagnosis of CTPV was made after extensive workup for the case of her recurrent upper GI bleeding and signs of portal hypertension in the absence of cirrhosis and other stigmata of chronic liver diseases.

Results Complete blood count revealed bicytopenia and adequate platelets with microcytic, hypochromic anaemia. PBS revealed Microcytic cells with hypochromicity, anisocytosis and poikilocytosis. Liver function tests, Hepatitis B and C screening were negative. Fibroscan of the liver revealed intermediate fibrosis. Colour flow Doppler ultrasound of the abdomen is compatible with portal hypertension of the portal vein and splenomegaly. MRI of the whole abdomen revealed portal hypertension with marked splenomegaly, cavernous transformation of the portal vein and collateral vessel formation. There's also focal biliary ectasia and cholecystolithiasis. Repeat gastroscopy revealed 3 esophageal varices.

Conclusions In conclusion, NCPH is the most common cause of portal hypertension next to cirrhosis. Two disease entities in NCPH, namely NCPF/IPH and EHPVO are distinct diseases, presenting with features of PHT – variceal bleed, splenomegaly and near normal liver functions. Likely pathogenesis is early age, portal inflammation/infection in a prothrombotic individual although we still have to work up this patient for thrombotic risk. The diagnosis needs exclusion of cirrhosis in NCPF/IPH and presence of portal cavernoma in EHPVO. Slow hepatic dysfunction due to parenchymal extinction and portal biliopathy is a late event in EHPVO. Effective management of PHT and its complications results in excellent 5 and 10 years survival.