P063 THE USE OF TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNTS (TIPS) IN TREATMENT OF ASCITES IN HEPATIC SYSTEMIC MASTOCYTOSIS

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Introduction Systemic mastocytosis is a rare cause of portal hypertension which can lead to the development of ascites.¹ Transjugular intrahepatic portosystemic shunts (TIPS) can be used as a management option for refractory ascites.² We describe a tertiary experience of 2 cases of hepatic systemic mastocytosis complicated by ascites which have improved following insertion of a TIPS. There is optimism regarding the use of KIT inhibitors such as avapritinib in systemic mastocytosis which may improve outcomes and therefore patients with hepatic involvement may survive longer and could be affected by complications of portal hypertension such as ascites.³ It is therefore important to explore management options in these patients.

Discussion The first patient is a 71 year old female with systemic mastocytosis who developed ascites in December 2020 which required paracentesis every 3 weeks. She subsequently had a liver biopsy which was consistent with systemic mastocytosis. The liver biopsy showed a mast cell infiltrate centred on portal tracts but extending along sinusoids to central veins. Mast cells are positive for CD117 and CD25 but negative for MCT. She was worked up for a TIPS insertion which occurred in March 2021. Prior to TIPS, the pressures in the portal vein and inferior vena cava (IVC) were 25mmHg and 10mmHg respectively. Post TIPS, the pressure in the portal vein was 18mmHg and the pressure in the IVC was 13mmHg. Her ascites improved in the following months but did not completely resolve.

The second patient is a 69 year old male who initially had a low risk myelodysplastic syndrome who subsequently developed systemic mastocytosis which was confirmed on bone marrow biopsy. He developed ascites in September 2020 requiring ascitic paracentesis. He had a TIPS placed in November 2020. His portal vein pressure prior to stenting was 24mmHg and 18mmHg afterwards. By February 2021, there had been complete resolution of his ascites.

Conclusion We conclude that a TIPS is a good management option for refractory ascites in this cohort of patients but recognise that this is a small sample size and needs to be further investigated. To the best of our knowledge, there are no cases published on the use of TIPS for ascites in hepatic systemic mastocytosis and therefore these cases give a unique insight into this management option.

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P064 A CLOSE LOOP AUDIT OF HEPATOCELLULAR CARCINOMA SURVEILLANCE: IMPACT OF COVID PANDEMIC

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Introduction Cirrhosis is a significant risk factor for hepatocellular carcinoma (HCC). HCC develops rapidly and asymptomatic until advanced stage.¹ The incidence of HCC in patients with cirrhosis is 2.5% per year.² NICE guidelines recommend offering HCC surveillance to patients with cirrhosis using ultrasound scan (US) and serum alpha fetoprotein (AFP) every six months.¹ We undertook a close loop audit to assess performance of HCC surveillance at the local hospital and assessed the impact of the COVID pandemic on the service.

Method Data was collected on patients admitted to hospital with cirrhosis in 1st cycle (16/12/18–05/04/19) and 2nd cycle (4/12/19–31/05/20). Intervention was performed on 04/12/2020 which included departmental posters and informing the doctors on Gastroenterology ward of the NICE guidelines. Data was collected on US and AFP follow up six months after the discharge. Exclusion criteria were patients under the age of 18, patients with known metastasis and on palliative management.

Results Total number of patients were 55 and 42 in the 1st and 2nd cycle respectively. Average age was 65 in the 1st cycle and 61 in the 2nd cycle. Overall, 48.5% were male and 51.5% were female patients. 6 monthly ultrasound follow up in patients reduced from 30.9% in 1st cycle to 23.8% in 2nd cycle during the COVID pandemic. Similarly, 6 monthly AFP follow-ups reduced from 34.5% in 1st cycle to 23.8% in 2nd cycle during the COVID pandemic. Although US and AFP follow-ups organised by the gastroenterology ward on discharge were 50% of all outpatients in six months in the 2nd cycle.

Discussion COVID Pandemic, with the 1st UK lockdown taking place on 23/03/2020, has had a significant impact on the HCC surveillance of patients who were discharged from hospital. This could be due to disruption to the service provided by the hospital or the patients' choice to avoid attending hospital during the COVID pandemic. The audit demonstrated that despite the disruption to the overall surveillance, the change implemented has resulted in people being followed up for HCC surveillance than previously when no follow up was organised by the discharging team at the hospital as this is mostly managed by the outpatient nurses. A re-audit following COVID pandemic would be useful to understand any benefit of such inpatient intervention on outpatient follow-up of patients with cirrhosis.

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P065 GENETIC EVALUATION OF PATIENTS LISTED FOR LIVER TRANSPLANTATION WITH CRYPTOGENIC CIRRHOSIS

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