indices of functional decline in determining transplantation outcome in patients with cirrhosis.

Methods Twenty-eight consecutive patients (mean [range] age 52 [29–66] yr; 75% men; four (14.3%) alcohol-related; mean MELD 13.2 [7–30]) transplanted for end stage liver disease/HCC were included. All were assessed pre-transplantation, as follows: *disease severity*: MELD and Child Pugh (CP); *nutritional status*: The Royal Free Hospital-Nutritional Prioritising Tool; *HRQOL*: Chronic Liver Disease Questionnaire and Euro QoL-5 Dimension Tool; *mental health*: Beck Anxiety and Depression Indices; *disability*: Activities (ADL) and Independent Activities of Daily Living (IADL); and *frailty*: Clinical Frailty Scale, Short Physical Performance Battery and Fried Frailty Criteria plus two composite instruments, the Bristol Prognostic Index and Karnofsky Age MELD Model. Variables associated with the primary outcome (death/retransplantation) were identified using Cox regression analysis. Variables associated with secondary outcomes, including the total units of blood transfused and the length of hospital stay, were identified using linear regression analysis.

Results Patients were followed for a mean of 143 [3–326] days; two (7.1%) died and four (14.3%) were retransplanted. IADL was the only tool significantly associated with mortality in this cohort. Each unit increase in the IADL (decreasing frailty) was associated with a 45% decrease in mortality after adjustment for MELD (Hazard Ratio (HR) 0.55, 95% CI, 0.33–0.92). The total mean LOHS was 28 [7–112] days. The CP score was significantly associated with LOHS ($F(1, 25) = 6.01$, $p = 0.02$, $R^2 = 0.19$); each unit increase in CP was associated with an increase in LOHS of 6.5 days. The mean units of blood transfused was 46 [3–178]; The amount transfused increased by 11.33 ($p = 0.03$) and 4.2 ($p = 0.01$) units for each unit increase in CP and MELD scores respectively.

Conclusions Disease severity and functional decline, characterised by the IADL score are significantly associated with short to medium term transplant outcomes in this cohort. Longer-term follow is required to validate these Results.

PTH-100 HEPATITIS C IN AN INNER CITY HUB: REAL LIFE RESULTS

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Introduction Around 2 000 000 people in the UK are infected with Hepatitis C (HCV). Recent advances in direct-acting antiviral (DAA) agents have revolutionised treatment of HCV with all oral regimens showing high cure rates. Registry studies of DAAs have reported sustained virologic response (SVR) rates of >95%. This study examines real life SVR rates outside of clinical studies in an inner city area.

Methods 250 eligible patients with chronic HCV were treated with DAAs from 10/09/2015 to 27/07/2017. After assigning to them to specific DAA combination therapy dependent on their genotype (GT), the hepatitis C RNA was measured 12 weeks after the cessation of therapy, with a SVR defined as an undetectable viral load (Roche amplicor, lower limit of detection 15iu/ml). We analysed the SVR12 according to genotype, treatment naïve versus previously treated patients, and specific DAA treatment combinations.

The mean age was 52 year (27 yr–84yr). 74% (185/250) were male. 188/250 (75%) patients were Caucasian. 5%, 68% and 27% of the patients had a Fibroscan liver stiffness measurement (LSM) of <9.5 kPa, 9.5 kPa–11.5 kPa and >11.5 kPa, respectively (mean LSM 10 kPa). 91/250 (39%) patients were HIV co-infected. There were 186 (74%), 8 (3%), 23 (9%), 32 (13%) and 1 (0.4%) patients with HCV GT1, GT2, GT3, GT4 and GT5, respectively. The mean HCV RNA viral load was log 5.81 IU/mL (range: log2.16 to log7.42 IU/mL).

Results 94% (234/250 patients) of the 250 HCV infected patients achieved SVR12.

Across the specific treatment combinations +/- Ribavirin, 100% of 14 patients on Sofosbuvir and Velpatasvir, 96% of 79 patients on Sofosbuvir and Ledipasvir, 91% of 11 patients on Sofosbuvir and Daclatasvir, 86% of 7 patients on Sofosbuvir, 95% of 37 patients on Elbasvir and Grazoprevir, 93% of 85 patients Ombitasvir, Paritaprevir, Ritonavir and Dasabuvir, 88% of 17 patients on Ombitasvir, Paritaprevir and Ritonavir achieved SVR12.

94% of 175 GT1 patients, 88% of 7 GT2 patients, 96% of 22 GT3 patients, 91% of 29 GT4 patients and the 1 GT5 patient achieved SVR12. Overall, 92 patients had previous treatment with 92% achieving SVR12. Out of the 158 treatment naïve patients, 95% achieved SVR12.

There were 16 treatment failures overall; 1 due to poor treatment compliance and 6 responding, with relapse. 5 were lost in follow up with 1 patient achieving SVR4 and 1 with an end-dose response but subsequently both were lost in follow up. 1 patient discontinued due to acute cholecystitis and 2 patients died during the treatment period. 1 patient died after achieving SVR12.

Conclusions Our Results indicate DAA therapy is highly effective with real life SVR rates comparable to the registry studies, paving the way for HCV eradication in the UK.

PTH-101 ALPPS: TECHNIQUE TO MINIMISE SMALL FOR SIZE SYNDROME AFTER MAJOR HEPATECTOMY FOR NEUROENDOCRINE TUMOUR METASTASES

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Introduction Hepatic resection has emerged as an effective treatment for secondary liver neuroendocrine tumours. 'Associated liver partition and portal vein ligation for staged hepatectomy' (ALPPS) allows resection of liver tumours in two steps. We present our experience in ALPPS procedure as a Method which can minimise small for size syndrome, and provide an oncological benefit to borderline resectable neuroendocrine tumours within acceptable safety profile.

Methods 4 patients (male: female: 1:1) underwent ALPPS procedure for clearance of the metastatic liver disease. Liver segments I, IV–VIII were resected for each patient. Two of the patients had bi-lobar disease. Clearance to future liver remnant (FLR) was achieved with non-anatomical liver resection in one case and with irreversible electroporation to the other as the lesion was adjacent to the left hepatic vein during the 1st stage of the ALPPS procedure. Two patients underwent ALPPS