

lives of people with alcohol-related liver disease (ARLD) by failing to provide early intervention and specialist consultant input.¹

Methods We aimed to review the management of patients with decompensated liver disease in the first 24 h after admission to hospital. This was a region-wide audit including all Trusts in the Northern Deanery. An audit proforma was designed and data collected on consecutive admissions over a 3 month period.

Results 139 patients were included in the study; 69% male, median age 54 years (range 26–86 years). ARLD was the cause of liver disease in 88%. The median MELD score was 19 (range 6–39) and 88% had Child-Pugh Grade B or C disease. The commonest reasons for admission were ascites (28%), GI bleeding (21%), encephalopathy (19%) and jaundice (16%).

There was a 9% mortality rate during the admission and average length of stay was 15 days.

82 patients had clinical ascites; 62% had a diagnostic tap within 24 h of admission, 21% waited >24 h and 17% did not have a diagnostic tap. 18% had spontaneous bacterial peritonitis (SBP).

Previous alcohol history was only documented in 43% but current daily consumption was documented in 81%. Of patients with documented current alcohol excess, 92% received pabrinex and 94% were started on CIWA.

99% had their renal function checked on admission. 26% had renal impairment; 28% of whom did not have all their nephrotoxins stopped. Hyponatraemia (sodium <125 mmol/L) was present in 9%; 42% of whom did not have diuretics stopped.

27 (19%) patients had known or suspected variceal bleeding. 19% did not receive terlipressin and 30% did not receive vitamin K. 67% of patients had an upper GI endoscopy within 12 h of admission, and 78% within 24 h.

Hepatic encephalopathy was present in 32% of patients and lactulose commenced in 98%.

17% of patients were not seen by a consultant (any speciality) within 12 h of admission, 7% were not seen by a gastroenterology or hepatology consultant within 72 h of admission and 39% were not seen within 24 h.

Conclusion There are clear deficiencies in the acute management of patients with decompensated liver disease across the Northern region in keeping with the findings of the NCEPOD report. The findings of this audit will be shared across the region and we are instituting a 'care bundle' to focus on the key management of these patients and guide clinicians to improve patient care. We will re-audit to assess the impact of the 'care bundle' on patient care.

REFERENCE

- 1 http://www.ncepod.org.uk/2013report1/downloads/Measuring%20the%20Units_summary%20report.pdf

Disclosure of Interest None Declared.

PTU-114 HEPATOLOGY SPECIALIST NURSE LED EXTERNAL JUGULAR VENEPUNCTURE; IS IT SAFE AND EFFECTIVE?

LD Morris*, S Frayne, J Wadsworth, M Mansoor, Y Reddy. *Department of Gastroenterology and Hepatology, East Lancashire Hospitals NHS Trust, Blackburn, UK*

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Introduction Difficult venous access is a significant problem for a proportion of patients with chronic hepatitis C and a history of intravenous drug use. It can impede access to treatment and cause distress for the patient. Sampling blood through external

jugular venepuncture (EJV) is highly successful. This enables more patients to be assessed and treated with antiviral therapy whilst participating in clinical trials. Our aim was to assess the efficacy of an EJV service in a large district general hospital, led by a Hepatology Specialist Nurse.

Methods Data was collected prospectively, recording the number of attempts needed to successfully complete EJV. All procedures were performed by an experienced hepatology nurse. Patients who underwent EJV were invited to provide feedback on overall satisfaction.

Results Between February 2012 and October 2013, external jugular venepuncture was attempted on 130 occasions in 57 chronic hepatitis C patients. The mean age of the patients was 39 (range 30–61) and there were 46 males and 11 females. Genotype distribution was mostly 3a (46%) and 1a (33%). 80% of EJV procedures (n = 103) were performed successfully on the first attempt, rising to 92% on the second attempt. In five patients (8%), EJV failed due to: previous neck surgery (1), vein thrombosis (3) and patient anxiety (1). No procedural complications were reported. Patient experience was 100% positive.

Conclusion External jugular venepuncture is a useful method of blood sampling from patients with chronic hepatitis C and difficult venous access, allowing for monitoring of their therapy. A Specialist Nurse Led EJV service is safe, effective and is well received by patients. Due to this success, a number of our patients have been enrolled in clinical trials.

Disclosure of Interest None Declared.

PTU-115 IDENTIFYING NAFLD IN PATIENTS ATTENDING A LIPID CLINIC – DO NON-INVASIVE SCORING SYSTEMS FOR FIBROSIS HAVE A ROLE?

L Wong*, M Roberts, R McCorry. *Gastroenterology, University Hospital of South Manchester, Manchester, UK*

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Introduction Hyperlipidaemia is a recognised risk factor for the development of non-alcoholic fatty liver disease (NAFLD). Aspartate aminotransferase (AST):alanine aminotransferase (ALT) ratio, AST-to-Platelet Ratio Index (APRI) and Fibrosis-4 (FIB-4) scores are validated, indirect, non-invasive methods which can be employed to exclude the possibility of hepatic fibrosis in the context of NAFLD.¹ The aim of this study was to apply these indices to patients attending a lipid clinic, with an elevated ALT to determine what proportion would merit further hepatology assessment.

Methods We performed retrospective analysis of patients attending a lipid clinic in a university teaching hospital from 2011–2013. None of the patients were under gastroenterology/hepatology follow-up. In those with elevated ALT (>30 IU/L male, >19 IU/L female²) we calculated the AST:ALT ratio, APRI and FIB-4 scores.

Results 130 patients were included (68 male, 62 female; mean age 54 (17–93)). Platelet data was available for 113 patients and 69 (53.0%) had elevated ALT (52% male). In these patients the scoring systems demonstrated an AST:ALT ratio >0.8 in 32 (46.4%), APRI >0.51 in 20 (30.0%) and FIB-4 >1.46 score in 14 (20.3%). 11 (15.9%) had high scores across all 3 indices.

Conclusion We have demonstrated that a significant proportion of patients with lipid abnormalities and raised ALT may be at risk of NAFLD with fibrosis. By using a composite of these scoring systems it may be possible to identify those who would