Abstract PTU-070 Table 1 Analysis results of associated SNPs

<table>
<thead>
<tr>
<th>Chr</th>
<th>SNP</th>
<th>Locus</th>
<th>Alleles (minor/major)</th>
<th>Minor allele frequency (cases/controls)</th>
<th>p Value (UK cohort)</th>
<th>OR UK cohort (95% CI)</th>
<th>OR (combined) (95% CI)</th>
<th>p Value (combined)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>rs12511287</td>
<td>IL2/IL21</td>
<td>A/T</td>
<td>0.30/0.26</td>
<td>2.9×10⁻⁴</td>
<td>1.21 (1.09 to 1.34)</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>10</td>
<td>rs4147359*</td>
<td>IL2RA</td>
<td>A/G</td>
<td>0.38/0.34</td>
<td>2.6×10⁻⁴</td>
<td>1.20 (1.08 to 1.32)</td>
<td>1.25 (1.18 to 1.36)</td>
<td>1.5×10⁻⁸</td>
</tr>
<tr>
<td>10</td>
<td>rs706778*</td>
<td>IL2RA</td>
<td>T/C</td>
<td>0.44/0.39</td>
<td>4.3×10⁻⁴</td>
<td>1.19 (1.08 to 1.31)</td>
<td>1.24 (1.14 to 1.35)</td>
<td>3.4×10⁻⁷</td>
</tr>
<tr>
<td>10</td>
<td>rs7090530</td>
<td>IL2RA</td>
<td>C/A</td>
<td>0.35/0.39</td>
<td>6.9×10⁻⁴</td>
<td>0.83 (0.75 to 0.92)</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

*Meta-analysis using previously published summary statistics was performed in R statistical software package using the Metagen package.

**Conclusion**
This study confirms the IL2RA and IL-2/IL-21 locus association in PSC suggesting a role of adaptive immune responses. Genetic variants at these loci are associated with autoimmune diseases. Association of PSC with variants at these loci could imply not only a shared genetic risk with other diseases but also identify the immunological pathways favouring disease development. Functional studies are now required to identify the causative gene or genes to facilitate rapid translation to the discovery of novel therapeutics.

**Competing interests** None declared.

**REFERENCE**


**PTU-071**

**IMPROVED OUTCOMES FOLLOWING COVERED TIPSS IN PATIENTS ADMITTED TO INTENSIVE CARE FOLLOWING A VARICEAL BLEED: A SINGLE CENTRE STUDY**

doi:10.1136/gutjnl-2012-302514c.71

C Corbett,* D Tripathi, N Murphy, S Olliff, K Mangat. Queen Elizabeth Hospital, Birmingham, UK

**Introduction**
Variceal bleeding occurs in a third of patients with cirrhosis and varices, and accounts for 10% of all GI bleeding in the UK. The 6-week mortality of 20% is greater than that for myocardial infarction. Recent evidence suggests that early covered TIPSS can improve outcomes after variceal bleed in certain patients.

**Methods**
This is a retrospective study of patients with a history of variceal bleeding admitted to intensive care unit over a 3-year period. Patients without no active bleeding or stigmata of variceal haemorrhage were excluded. Multiple factors surrounding the admission and therapy were analysed. All TIPSS procedures were performed using PTFE covered stents during the admission.

**Results**
41 patients met inclusion criteria. 56% had alcoholic liver disease, 39% and 45% had Child C and B disease respectively. Mean age was 53.7 years, and median follow-up 466 days. The mean MELD was 14.4. 18% were shocked on admission, and 83% required invasive ventilation. 91% of admissions underwent endoscopy within 24 h of admission. All patients had broad spectrum antibiotics and terlipressin during the admission. The principal endoscopic therapy was variceal band ligation (44%), with 41% undergoing balloon tamponade as 1st intervention. 86% had active bleeding at index endoscopy, with 72% having balloon tamponade placed at some point. Indication for TIPSS was salvage therapy (60%), following re-bleeding (15%) and secondary prophylaxis (25%). Overall there was 34% inpatient admission mortality. The TIPSS group (n=19) had lower mortality than the non TIPSS group (n=22) at 6 weeks (11% vs 45%, p<0.05) that persisted throughout follow-up (36% vs 54%, p<0.05). Multivariate analysis revealed a MELD ≥ 18 and SOFA ≥ 11 as significant predictors of mortality (p<0.05). Baseline characteristics were well matched between these groups. Fewer patient in the TIPSS group reached the composite end point of rebleeding after 5 days or failure to control initial bleeding (12% vs 45%, p=0.02).

**Conclusion**
This study shows that patients with recent severe variceal bleeding admitted to intensive care have significantly better outcomes following covered TIPSS insertion. These findings need to be validated in randomised controlled trials.

**PTU-072**

**A UK STANDARDISED CYSTIC DUCT IDENTIFICATION TECHNIQUE WILL HELP TO MITIGATE THE EFFECT OF HUMAN ERROR AND IMPROVE SYSTEMATIC TRAINING**

doi:10.1136/gutjnl-2012-302514c.72

C Brown,* R Radwan, A Rasheed. Department of General Surgery, Gwent Institute for Minimal Access Surgery, Newport, UK

**Introduction**
Laparoscopic cholecystectomy is a visual discipline and biliary tract anatomy is deduced by visual clues from a displayed image on a TV Screen where errors stemming from visual illusions and misperceptions are possible and even when irregularities were identified, corrective feedback does seem to occur, which is characteristic of human thinking under firmly held assumptions lead to misidentification of the bile duct as a cystic duct and consequent misadventure. Our aim was to survey descriptive terms of cystic duct identification and compare them against the Society of the