

**Conclusion** In its first two years, IBDQIP has shown increased participation and has proved to be a rapid and effective tool to improve IBD services. The project has now merged with the National IBD Audit and will be rolled out to all IBD services in 2014.

**Disclosure of Interest** None Declared

# PTU-080 DEVELOPMENT AND VALIDATION OF THE CROHN'S LIFE IMPACT QUESTIONNAIRE (CLIQ)

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**Introduction** Crohn's Disease (CD) is a chronic, inflammatory, autoimmune disorder that substantially impairs patients' physical and emotional well-being. Despite this there is no CD-specific patient-reported outcome measure (PROM) available for determining the efficacy of alternative interventions for the condition. The objective of the study is to develop and validate the first such patient-reported outcome measure. Questionnaire content was derived from 30 qualitative interviews conducted with UK CD patients. Cognitive debriefing interviews conducted with a new sample of 15 CD patients indicated that the draught scales were relevant, clear and easy to use.

**Methods** A test-retest postal survey was conducted to; identify the final scales, confirm their unidimensionality (by means of Rasch analysis) and to determine reproducibility and construct validity. A subset of the respondents was sent a second questionnaire package 2 weeks after completing the first. The package included the CLIQ, the Nottingham Health Profile (NHP), the Unidimensional Fatigue Impact Scale (U-FIS) and a demographic questionnaire.

**Results** The questionnaire package was completed by 273 CD patients (34.4% male; aged 16–79 (mean: 43.9; SD 15.1) years). Of these, 107 also completed the second package. Items were removed from the scales that misfit the Rasch model ( $\chi^2 p > 0.05$ ), were redundant or displayed differential functioning by gender. Rasch analysis confirmed two unidimensional scales ( $p < 0.05$ ); activity limitations (11 items) and QoL (27 items). Internal consistency was good for both scales (0.93 and 0.91) as was test-retest reliability (0.89 and 0.91 respectively). The CLIQ scales were related (as expected) with the NHP section scores and the U-FIS. It was interesting to note that QoL scores were related to both physical and emotional impairments.

**Conclusion** The CLIQ is the first scientifically rigorous PROM designed specifically for CD patients. It consists of two unidimensional scales with excellent psychometric properties. It should prove to be a valuable tool for evaluating the impact of CD and its treatment on the patients' perspective.

**Disclosure of Interest** None Declared

# PTU-081 ARE WE EXPOSING PATIENTS WITH A MILDLY ELEVATED FAECAL CALPROTECTIN TO UNNECESSARY INVESTIGATIONS?

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**Introduction** Faecal calprotectin (FC) is increasingly used as a non-invasive marker to differentiate irritable bowel syndrome (IBS) from inflammatory bowel disease (IBD). However, it is a non-specific marker of luminal inflammation and false positives are common. We have previously demonstrated a low yield of diagnostic colonoscopy in patients with borderline elevations of FC (50–100  $\mu\text{g/g}$ ). Higher FC levels (100–200  $\mu\text{g/g}$ ) often prompt more extensive investigation. We sought to determine the diagnostic yield of endoscopic/radiological investigation in patients

presenting with new lower GI symptoms and a mildly elevated FC (100–200  $\mu\text{g/g}$ ).

**Methods** All patients with a faecal calprotectin 100–200  $\mu\text{g/g}$  were identified from our biochemistry laboratory database between September 2009 and September 2011. Patients aged 16 to 50 years attending gastroenterology outpatient clinics with new lower GI symptoms were identified. Patients were excluded if they had a previous FC > 200  $\mu\text{g/g}$ , were taking NSAIDs, had known IBD, positive stool cultures or any 'alarm' symptoms. Details of investigations, diagnosis and clinical outcomes were determined electronically from the NHS Greater Glasgow and Clyde Clinical Portal.

**Results** 163 patients (104 female) were identified who met the inclusion criteria. The mean age was 37.5 years with a mean FC of 146.6  $\mu\text{g/g}$ . The primary presenting complaint was diarrhoea in 100 (61.3%) and abdominal pain in 63 (38.7%). Secondary symptoms were abdominal pain (28.2%), diarrhoea (18.4%) and constipation (1.8%). A total of 390 endoscopic, radiological and histological investigations were undertaken in 152 patients with an average of 2.6 investigations per patient. 131 colonoscopies were performed with abnormalities detected in only 23 (17.6%). In patients with a macroscopically normal upper GI endoscopy and colonoscopy, the diagnostic yield of any further investigation was only 7%. The negative predictive value (NPV) of a FC 100–200  $\mu\text{g/g}$  was 86.9% for any pathology and 98.1% for significant luminal pathology (IBD, advanced adenoma or colorectal carcinoma). IBD was the final diagnosis in only 3 (1.8%) of patients while 48.5% were diagnosed as having IBS.

**Conclusion** In adult patients under 50 years old presenting with new lower GI symptoms, the NPV of a FC between 100 and 200  $\mu\text{g/g}$  in excluding significant organic GI disease is high. Patients are often extensively investigated yet the overall diagnostic yield is very low and the majority of these patients have functional disease. We suggest that the manufacturer's FC cut off of 50  $\mu\text{g/g}$  of stool is too low for utilisation in clinical practise and often results in unnecessary, invasive investigations.

**Disclosure of Interest** None Declared

# PTU-082 FAECAL INCONTINENCE IN INFLAMMATORY BOWEL DISEASE: WE DON'T ASK AND THEY DON'T TELL

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**Introduction** The deleterious effect of faecal incontinence (FI) on quality of life (QOL) is well documented. People with FI experience stigma, embarrassment and social exclusion, and report adverse effects on activities and relationships. Restoration of continence is associated with improvement in QOL. Diarrhoea is associated with increased prevalence of FI and, therefore, people with inflammatory bowel disease (IBD) are at risk.

**Methods** To investigate how frequently health care professionals (HCPs) assess FI in a cohort of patients with IBD we performed a cross sectional survey of 380 adults attending a tertiary referral IBD clinic. Patient surveys were: the validated ICIQ-B questionnaire, detailing frequency and severity of bowel pattern, control and quality of life; and the non-validated Bowel Leakage Questionnaire, detailing any prior interventions by health care professionals. Demographics of age, gender, diagnosis, Montreal classification, St Mark's Continence Score and disease activity were also recorded. Data was entered into a database and analysed using SPSS statistical package.

**Results** 229/380 (60%) had Crohn's Disease (CD) and 180/380 (47%) were female. Median age was 38 years (IQR:31–50) with a median disease duration of 8.7 years (3.4–15.1). 343/380 (90%) had