Conclusions There is a wide variation in FCP cut-off levels in the initial diagnosis of IBD as well as in follow-up post-treatment. The FCP cut-off levels vary from country to country. The FCP test requires validation of the available test kits and finding of appropriate cut-off levels for different study populations.

IDDF2019-ABS-0130

GLOBAL SMOKING TRENDS IN INFLAMMATORY BOWEL DISEASE: A SYSTEMATIC REVIEW OF INCEPTION COHORTS

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10.1136/gutjnl-2019-IDDFabstracts.161

Background The effect of smoking on inflammatory bowel diseases (IBD) may be heterogeneous across ethnicity and geography. This is a systematic review of smoking prevalence across global IBD cohorts.

Methods A systematic literature search was conducted on Medline and Embase from January 1st, 1946 to April 5th, 2018 to identify population-based studies assessing the prevalence of smoking at diagnosis in inception cohorts of Crohn's disease (CD) or ulcerative colitis (UC). Studies that did not report smoking data from the time of diagnosis or the year of IBD diagnosis were excluded. Prevalence of smoking in IBD was stratified by geography and across time.

Results We identified 56 studies that were eligible for inclusion. Never-smokers in the newly diagnosed CD population in the West has increased over the last two decades, especially in the United Kingdom and Sweden; +26.6% and +11.2% respectively. Never-smokers at CD diagnosis in newly industrialised nations have decreased over the 1990s and 2000s; China (-19.36%). Never-smokers at UC diagnosis also decreased in China; -15.4%. The former-smoker population at UC diagnosis in China is expanding; 11%(1990–2006) to 34%(2011–2013).

Conclusions There has been a reduction in the prevalence of smoking in the IBD cohort in the West. This is not consistent globally. Although smoking prevalence has decreased in the general population of newly industrialised nations, this remains an important risk factor with longer-term outcomes awaiting translation in both UC and CD.

IDDF2019-ABS-0139

EVALUATION OF NARROW BAND IMAGING FINDINGS IN MICROSCOPIC COLITIS AND TARGETED BIOPSIES

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10.1136/gutjnl-2019-IDDFabstracts.162

Background Microscopic colitis (MC) is the cause of chronic diarrhoea which is often missed. Histopathology is a gold standard for diagnosis but colonic biopsy has a variable yield in view of normal endoscopy. We evaluated ileocolonic mucosa in suspected MC cases with narrow band imaging (NBI) and described its findings with outcome of targeted biopsy

Methods 53 adults with chronic diarrhea suspected to have MC were recruited after excluding malignancy, celiac disease, small intestinal bacterial overgrowth and inflammatory bowel disease. Routine blood tests, necessary imaging, stool analysis were done. Colonoscopy was done in all with ileal intubation if possible. HDWLE (high definition white light examination) and NBI findings were recorded. Routine biopsies on white light and targeted biopsies on NBI were taken and analysed by an expert gastrointestinal histopathologist as per statements of the European Microscopic Colitis Group 2012

Results 43 patients were diagnosed to have MC [mean age - 45.83(±15.92), males - 27]. The WLE revealed normal mucosa in all patients. NBI showed type 1 pit pattern and regular vascular pattern in all patients with MC. Mucosal pattern was honey comb type in all. Focal areas of abnormal vascularity with focally obscure pit pattern was noted more frequently in cases than controls {81% vs 12.5% (p = 0.052)}. Histologically 25(58.1%) had collagenous colitis (CC), 14 (32.5%) had lymphocytic colitis (LC). Four patients (9.4%) had a mixed picture. The yield of WLE and NBI targeted biopsies was the same (p>0.05)

Conclusions Colonoscopic NBI findings in MC revealed a hitherto unreported and distinct focal areas of abnormal vascularity with focally obscure pit pattern. There was no significant difference in yield of NBI vs WLE biopsies

IDDF2019-ABS-0141

PREDICTORS OF FAILURE OF ENDOSCOPIC HAEMOSTASIS IN BLEEDING PEPTIC ULCERS

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10.1136/gutjnl-2019-IDDFabstracts.163

Background Bleeding peptic ulcers are the most common cause of non-variceal upper gastrointestinal bleed and are most often amenable to dual modality endoscopic haemostasis. However, a small group of patients fail to respond to endoscopic haemostasis and are often associated with significant morbidity and mortality. We explore the clinical and endoscopic features that predict failure of therapeutic endoscopic haemostasis.

Methods Retrospective case-matched study of consecutive patients who have failed therapeutic endoscopy following bleeding peptic ulcer (N=29) over a five-year period between 2011 and 2016 in Hospital Tuanku Ja'afar Seremban were age and sex-matched with patients who underwent successful therapeutic endoscopy (N=29). Failure of therapeutic endoscopy is defined as an end-point of either mortality or need for surgical intervention after at least one attempt at endoscopic haemostasis. Clinical, biochemical and endoscopic features between the two groups were analyzed using Pearson's chi-squared test.

Results Patients in both groups had similar baseline characteristics. Mean age was 63.9 in the failed endoscopy group and