

(FU-OGD) within 8 weeks for all gastric ulcers to exclude malignancy, internationally this recommendation is controversial. This audit examined the impact of this NICE guideline.

Methods All patients with a first endoscopic diagnosis of gastric ulcer between January 2012 and September 2013 at this large teaching hospital were included. Patients with known gastric ulcers prior to the study period or those referred for tertiary assessment were excluded. Patient demographics, data on endoscopic appearance and histological reports were recorded. We analysed endoscopic assessments, compliance with NICE guidance and the malignancy yield.

Results 432 patients (53% male) with a mean age of 65 years presented with a gastrointestinal bleed (38%), anaemia (13%), dyspepsia (18%) or other symptoms (31%). 142 patients were not biopsied initially (73% GI bleed, 6% anticoagulation, 21% no reason). Of these 96 received FU-OGD for biopsies after a median of 7 days. 290 patients had an average of 4.8 biopsies taken on index endoscopy. Of these 194 underwent repeat OGD after a median of 70 days. Only 33% underwent FU-OGD within the recommended time frame. Reasons for not undergoing FU-OGD were failure to request (10%), deemed medically inappropriate (98%), death before FU-OGD due (12%), patient non-attendance (24%), malignancy on 1st biopsy (9%) and unknown (26%). Ulcer healing was found in 236 patients. Gastric neoplasia was found in 27 patients (19 adenocarcinomas, 2 cases of dysplasia, 5 lymphomas, 1 melanoma) leading to a diagnosis of malignancy in 6% of patients with gastric ulcers. Of these 25 (93%) were diagnosed on first biopsy. After excluding those patients without follow-up, the cancer yield of FU-OGD after initially benign biopsy was 2 of 225 patients (0.9%).

Conclusion In this large cohort of patients with gastric ulcers 6% were found to have malignant disease. Of these over 90% were diagnosed with first biopsy, highlighting the need for all gastric ulcers to be biopsied. For many patients FU-OGD was deemed inappropriate. A high non-attendance rate was also noted, which may relate to the uncomfortable and invasive nature of endoscopy. While rapid FU-OGD for biopsies was achieved in those with no initial biopsies, many patients waited longer than the recommended 8 weeks after initial benign biopsies. However, the cancer yield of FU-OGD after benign biopsies remains low. Strategies to reduce the burden of FU-OGD for both patients and the health service would be highly desirable.

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Small bowel and nutrition free papers

OC-022 DEVELOPMENT AND OUTCOME OF INTESTINAL FAILURE IN CROHN'S DISEASE: 3 DECADES OF EXPERIENCE FROM A NATIONAL REFERRAL CENTRE

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Introduction Intestinal Failure (IF) is a rare complication of Crohn's disease (CD) which carries significant morbidity, for which there is a relative paucity of data. We describe a large series of patients with CD and IF and evaluate factors associated with IF development.

Methods This was a retrospective study from a prospectively maintained database of patients referred to a national IF centre.

Patients with CD were identified if on home parenteral nutrition (PN) for at least 12 months in the period between 1980–2011, and case notes were reviewed. Severe IF was defined as onset of IF within 15 years of CD diagnosis. Comparison of frequencies was performed using the Chi-squared test. Multivariate logistic regression models were used to identify independent associated factors after univariate analysis.

Results 78 patients were identified. The median time from CD diagnosis to commencing PN was 120 (12–552) months. Median time from CD diagnosis to first surgery was 36 (0–312) months. Patients underwent a median of 3 (1–7) small bowel (SB) resections prior to commencing PN, and the median remnant SB length was 130 (40–375) cm. Patients underwent a total of 312 operations but data were unavailable for 3 of these. The primary indication for the first surgery was stricturing (61.5%), followed by penetrating (23.1%) and inflammatory (15.4%) disease. Operative complications were higher in patients undergoing emergency (37/85; 43.5%) vs. elective (53/224; 23.7%) procedures ($p = 0.001$) and in surgeries performed outside (87/255; 34.1%) vs. within (3/54; 5.6%) the IFU ($p < 0.0001$).

234 subsequent operations were undertaken after the first, but indication data were missing in 7 operations; operative complications were the primary indication for surgical intervention in (76/227) 33.5% of cases after the first surgery. In multivariate analysis, severe IF was associated with surgical complications ($p = 0.003$), higher number of SB resections ($p = 0.005$) and earlier age of CD diagnosis ($p = 0.005$).

25/78 (32.1%) patients achieved nutritional autonomy during a median follow-up of 36 (12–376) months after commencing PN. There were 68 documented catheter infections (0.42 infections/1000 catheter days) in this patient cohort.

9 patients died during follow-up as a result of liver disease ($n = 3$), complex CD/overwhelming sepsis ($n = 2$) or other causes ($n = 4$).

Conclusion Recurrent surgeries with operative complications are significant factors leading to severe IF. These are important considerations in guiding therapeutic decisions in CD, given the morbidity associated with chronic IF.

Disclosure of Interest None Declared.

OC-023 FACTORS INFLUENCING MORTALITY FOLLOWING GASTROSTOMY INSERTION

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Introduction High mortality rates have previously been reported following gastrostomy insertion, particularly among certain patient groups (e.g., dementia). With the increasing use of prophylactic gastrostomy for head and neck cancer (HNC), our group aimed to examine survival in this cohort compared to other referral indications and assess risk factors.

Methods Gastrostomy insertions were examined from two hospitals in Sheffield between 2004–2013. Data was prospectively collected from all referred patients including demographic data, biochemical parameters, referral indications and gastrostomy type. Statistical analysis was performed with Chi-squared or Fishers exact tests.

Results 1733 patients were included (1004 male, mean age=65). 30 day and 1 year mortality was 9.66% and 44.98% respectively. Indications for gastrostomy included; HNC ($n = 591$), neurological disease ($n = 429$), dysphagic stroke ($n =$