

AB169. SOH21AS173. Audit for quality improvement of endoscopic diagnosis of Barrett's oesophagus in model 3 HSE hospital

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Background: Detection of early neoplasia associated with Barrett's oesophagus has been of paramount significance in current era of interventional endoscopic therapy. While the technical competence of oesophagogastroduodenoscopy (OGD) is rapidly acquired, we noted great variability in description and reporting in our unit, so we aimed to perform this audit to measure our current practise in general regional hospital against recent British Gastroenterology Society (BGS) standards to improve the quality of practise in our endoscopy unit.

Methods: Retrospective study, reviewing OGD reports on Endoraad system, from 01/01/2018 till 31/03/2020. Collecting the following data: age, sex, endoscopist, indication, elements of Prague Criteria, number & level of biopsies taken, associated hiatus hernia (HH), photo documentation, correlation to histopathology (H/P) report. with analysis of the data.

Results: Total of 3,556 OGD reports have been reviewed, with 256 mentioned Barrett's (7.1%), male to female 68% to 32% respectively, with mean age 62.7 ± 13.5 . Overall analysis showed less than 35% of reports mentioned Prague's criteria, with the best description done by advanced nurse practitioner (ANP), followed by Gastroenterology, then Surgeons. 55.9% of histopathology reports confirmed Barrett's, less than four quadrant biopsies were taken in 45.4%, with significant higher negative pathology (51.5%)

compared with (23.6%) in reports with four quadrant biopsies (54.6%).

Conclusion: Our audit showed significant lack in our endoscopic unit practise regarding description of Barrett's, sampling techniques, with low quality reporting. It is not only the technical skills of OGD, but we also recommended applying the BGS guidelines, supported with concise informative wall poster, with planned re-audit in 6 months to ensure quality improvement of our unit practise.

Keywords: Barrett's oesophagus; oesophagogastroduodenoscopy (OGD); quality improvement; Prague's criteria; endoscopy unit

Acknowledgments

Funding: None.

Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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doi: 10.21037/map-21-ab169

Cite this abstract as: Mortada AE, Fatima I. Audit for quality improvement of endoscopic diagnosis of Barrett's oesophagus in model 3 HSE hospital. *Mesentery Peritoneum* 2021;5:AB169.