and after colonoscopy. Of these, 28% (n = 58) had a history of CKD. Overall, there was no statistically significant difference in the change in eGFR before and after colonoscopy for patients without CKD compared to those with CKD (p = 0.18). There were only five patients with eGFR of <30 mL/min and in this subgroup there was no significant renal impairment after colonoscopy. There were no acute kidney injuries in both groups.

Conclusions The data show that 2L PEG solution is safe in patients with impaired renal function. Routine screening for CKD in patients undergoing bowel preparation for colonoscopy may not be justified.

P35 OPINIONS OF UK GASTROENTEROLOGY CONSULTANTS IN THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN ENDOSCOPY

^{1,2}Rawen Kader*, ²Mohamed Hussein, ^{1,2}Omer F Ahmad, ^{1,2}Danail Stoyanov, ^{1,2,3}Laurence B Lovat. ¹Wellcome/EPSCRC Centre for Interventional and Surgical Sciences (WEISS), UCL, London, UK; ²Division of Surgery and Interventional Sciences, UCL, London, UK; ³University College London Hospital (UCLH), London, UK

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Introduction Recent advances in artificial intelligence (AI) have resulted in new AI applications for endoscopy. The aim of this study is to provide insight into the opinions of key leaders in Gastroenterology in the UK of these technologies.

Methods An anonymous quantitative questionnaire was administered to 22 UK Gastroenterology consultants at a dedicated AI in Gastroenterology national consensus conference. Baseline demographic data and previous colonoscopy experience for each participant was collected. The questionnaire explored the following topics:

- How AI in endoscopy might impact on an endoscopist's pattern recognition of lesions if they are a novice or an expert
- Likelihood that endoscopists might lose the competence to override AI diagnosis
- Support for using AI in endoscopy if it improves clinical patient outcomes but remains a black box
- Apportion of liability for misdiagnosis if a lesion is 'missed' during colonoscopy assisted by an AI polyp detection system
- The perceived risk of a two-tier healthcare system emerging in the NHS between those hospitals which do and do not use AI support

Results The questionnaire was completed by 22 participants. Two incomplete forms were excluded. Participants' demographic data and colonoscopy experience are shown in table 1.

Abstract P35 Table 1 Participants' demographic data and colonoscopy experience

Total number of participants	20
Male	90% (18/20)
Female	10% (2/20)
Average Age	44 years old
JAG accredited	20/20 (100%)
BCSP accredited	9/20 (45%)
Average number of colonoscopies performed	8094 (range = 1,000 – 30,000)
Previous experience in using AI device in endoscopy	12/20 (60%)

Most participants think AI would improve endoscopist visual pattern recognition skills, more for novices (75%) than for experts (55%). The majority (65%) recognised the risk that in future, endoscopists may lose the competence to override AI diagnoses, but only a minority of 15% thought this was likely.

There was a strong consensus (60% for, 20% against) that an unexplainable but clinically efficacious AI system would be acceptable, but there were concerns of a two-tier healthcare system emerging with a quarter thinking this was likely and the majority of 60% recognising that this was possible. A clear majority of 70% thought that the endoscopist should be liable for any misdiagnosis, with 10% considering that liability should lie with the hospital and 5% with the AI manufacturer; 15% were uncertain about how to apportion liability.

Discussion Consultants in this study support the use of clinically efficacious AI systems in endoscopy regardless of 'explainability' but careful consideration is required to prevent a two-tier healthcare system emerging and to determine liability in the event of misdiagnosis.

Consideration is needed on how to monitor endoscopist skills given concerns that use of AI could result in endoscopist losing the competence to override AI diagnoses.

P36 VALIDATING THE POST-COLONOSCOPY COLORECTAL CANCER (PCCRC) RATE AS A METRIC OF ENDOSCOPY QUALITY

Javaid Subhani, Mohiuddin Khan*, Madeleine Frank. Basildon and Thurrock University Hospital, Basildon, UK

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Introduction Endoscopists PCCRC rates have been shown to inversely correlate with their adenoma detection rates. The World Endoscopy Organisation (WEO) has recently published methodology for comparing unadjusted PCCRC rates between different organisations. These whole system rates may not reflect endoscopists' performance. This study aimed to produce a validated PCCRC rate for individual endoscopists.

Methods All cases of Colorectal cancer (CRC) diagnosed between 2010 and 2018 at our Trust were ascertained from Somerset Cancer Database using ICD10 codes C18–20. From the Endoscopy reporting system all colonoscopies performed in the same years were identified. By SQL queries within a MS Access database the following were determined for the 6 years 2010–December 2015.

- unadjusted PCCRC cases i) True +ve CRC diagnoses by colonoscopy ii) Cases with 2 colonoscopies within 6/12 of diagnosis.

Cases reviews took place for group i) and iii). The following variations in the WEO method were used to produce an Endoscopy-related PCCRC rate.

Exclusions

- Genetic syndromes, IBD and follow-up recurrent EMR cases.
- Delays in management not due to failure of endoscopic assessment
- Errors in recorded timings for date of CRC diagnosis.
- Inaccurately coded cases

Results From 2010–2015, 21267 colonoscopies were performed. From 2010–2018 1916 CRC cases diagnosed, 1246 (65%) were diagnosed by colonoscopy.

39 unadjusted PCCRC cases were identified. After case review 18 cases were excluded by the criteria above, a (5), b