NICE National Institute for
Health and Care Excellence

Artificial intelligence software to help detect colorectal polyps (provisional title)

Colonoscopy is performed to examine the walls of the colon to detect abnormal lesions. The use of Artificial intelligence (AI) software for the detection of colorectal polyps during colonoscopy is an emerging area in gastroenterology. The AI software uses colonoscopy images to identify suspicious lesions that may lead to cancer.

Colorectal cancer is one of the most common cancers in the UK. Early diagnosis of cancer is a priority area for the NHS and the use of AI-based technologies could help detect polyps that may otherwise have been missed during colonoscopy.

The NICE Health Technologies Programme will assess the clinical and cost-effectiveness of AI-based technologies that can help detect colorectal polyps in order to make recommendations on their use in the NHS.

Specialist committee member disciplines:

- Consultant Gastroenterologist
- Endoscopist
- Gastrointestinal Nurse Practitioner
- Consultant Histopathologist
- Consultant Oncologist or Colorectal Surgeon