



## Does a primary symptom of constipation warrant a colonoscopy for suspected colorectal cancer?

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### Abstract:

**Objective:** We aim to evaluate the diagnostic accuracy of colonoscopy in picking up colorectal cancer in patients with a primary symptom of constipation. As colonoscopies are dependent on bowel preparation, we also aimed to look at the rates of adequate bowel preparation and appropriate sedation

**Methodology:** This was a retrospective study conducted at Queens Hospital Burton between January and June 2018. A total of 102 patients over the age of 18 years were included in this study. Using an online clinical manager database, patient notes and clinic letters, data was collected of patients with documented chronic constipation or altered bowel habits as their main symptom. Picolax was used for bowel preparation with Moviprep preferred in patients with renal impairment. Colonoscopy had been carried out by consultant surgeons, consultant gastroenterologists, specialist registrars or specialist endoscopy nurse practitioners

**Results:** A total of 102 colonoscopies were performed with 41 performed in males and 61 in females. 67 patients (65.68%) had a normal colonoscopy result, 35 patients had a mix of diseases with only one having rectal malignancy. Adequate views were obtained in 76% of patients with 24% giving inadequate views. Adequate bowel prep was defined by endoscopists report on views obtained.

**Conclusion:** We conclude that constipation as a primary symptom is not in itself an indication for referral for colonoscopy for suspected cancer. The quality of bowel prep is also an important factor that needs to be addressed as per guidance. In patients presenting with chronic constipation, we must first try to categorise them according to the Rome 3 criteria and bear in mind the 'red flag' symptoms during the history and examination process



### Biography:

Mohammad Hasan is a doctor in Department of Surgery, Aberdeen Royal Infirmary, Aberdeen, UK

### Publication of speakers:

1. Shadman, Mohammad & Badizad, Mohammad & Dehghanizadeh, Mostafa & Dehaghani, Amir. (2020). Developing a novel colloidal model for predicting asphaltene precipitation from crude oil by alkane dilution. *Journal of Molecular Liquids*. 113879. 10.1016/j.molliq.2020.113879.
2. Badizad, Mohammad & Koleini, Mohammad & Greenwell, Hugh & Ayatollahi, Shahab & Ghazanfari, Mohammad Hossein. (2020). A Deep Look into Dynamics of Saltwater Imbibition in a Calcite Nano-Channel: Temperature Impacts Capillarity Regimes. *Langmuir*.
3. Hasan, Mohammad & Javed, Yousuf & Farooq, Ayesha. (2020). Understanding survival challenges of Tamil Nadu leather industry through content analysis and AHP. 41. 411-419. 10.1080/02522667.2020.1723937.
4. Dehaghani, Amir & Badizad, Mohammad. (2019). Impact of Ionic Composition on Modulating Wetting Preference of Calcite Surface: Implication for Chemically Tuned Water Flooding. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 568. 10.1016/j.colsurfa.2019.02.009

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