



## Colorectal cancer and dysplasia in inflammatory bowel disease: what is the real benefit of screening colonoscopy? A population study in Qatar

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### ABSTRACT:

#### Background:

Since 1920, inflammatory bowel disease (IBD) has been linked to increased incidence and mortality from colorectal adenocarcinoma (CRC). Many studies showed screening colonoscopy reduces CRC mortality and improve survival in IBD patients. it is still unknown whether the incidence and mortality of CRC is increased in IBD in Qatar populations.

#### Aim of the study:

To investigate the rate of CRC and dysplasia in an IBD patient cohort who underwent a screening colonoscopy in HMC, Qatar.

**Methods:** A Retrospective cohort study of a sample of patients who were diagnosed and treated for IBD and follow up in HMC, Qatar.

**Results:** Among 153 UC cases included in our study, there were 7 cases reported of CRC and dysplasia. Calculated incidence rate of CRC/dysplasia among UC cases was 4.58(95% CI 2.23, 9.14). Calculated person-years at risk of CRC/Dysplasia among UC cases was 4.14 cases per person-years. The mean time (in months) of first screening colonoscopy was 11.125 (SD 3.74) for all cases and were 11.167 (SD 5.1153) and 11.123 (SD 3.7025) for CRC/Dysplasia and Non CRC/Dysplasia groups respectively the difference between them wasn't statistically significant (p 0.498). There is significant association between development of CRC/Dysplasia and gender and Extend of the UC, higher in male and Pancolitis (E3) (p 0.032 and 0.030 respectively).



### Biography:

Dr Nasrein mohmed Elkomy, MRCP, MSc, ESEGH and Arab board in internal medicine, GI/hepatology fellowship, HMC, Doha, Qatar.

### Publications:

1. Exploiting the potential of Sudanese sorghum landraces in biofortification: physicochemical quality of sorghum landraces (*Sorghum bicolor* L. Moench) grain.
2. Aggregate and heterogeneous sectoral growth effects of foreign direct investment in Egypt.
3. Extracts of the green algae *Ulva prolifera* possess antioxidant and antibacterial activities in vitro.
4. NATURAL MICROFLORA AND CHARACTER OF MIGRATION OF NATURAL PHOSPHORUS COMPOUNDS.
5. Behaviour in Pakistan of some local wheat varieties to loose smut.

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