

# Enhancing Resident Education on Colorectal Cancer Screening and Surveillance: **A Pilot Project**

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#### BACKGROUND

- The U.S. Preventive Services Task Force issued new guidelines for colorectal cancer (CRC) screening in 2021
- Adoption of these new recommendations by Internal Medicine (IM) residents has not been well studied
- Clinical practice paradigms are updated frequently but practices are ingrained in physicians during residency

## AIMS

- To investigate the knowledge of current CRC screening guidelines of IM residents at a large, metropolitan training hospital
- To implement an educational intervention and determine its merit in impacting resident learning

#### **METHODS**

- A 13-question survey was designed to record demographics (5 questions) and test knowledge of CRC screening guidelines (8 questions) among IM residents
- The survey tested both understanding of CRC screening initiation for average-risk and high-risk patients and identifying an appropriate screening test with its respective associated intervals
- An educational pamphlet detailing these CRC screening guidelines was created and distributed to all IM residents
- Two months after distribution, a post-intervention survey was used to assess changes in resident knowledge and practice

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#### RESULTS

 120 IM residents completed the pre-intervention survey, and 112 residents completed the post-intervention survey after distribution of the CRC guideline pamphlet

The average questions correct across PGY levels were significantly improved after educational intervention (8 is perfect score, mean 4.46 pre-survey vs mean 5.74 postsurvey, p< 0.05) [Figure 1]

 Residents overall showed improvement in identifying CRC screening initiation age across all PGY levels, however this was not uniform with every PGY level after educational intervention

Residents overall showed improvement in identifying CRC screening tests with its respective intervals among all tests, however there were differences between PGY level after educational intervention [Table 1]

#### CONCLUSIONS

Overall, residents across all PGY levels showed improvement in knowledge after a very simple educational intervention

Growth in knowledge was not uniform between every

While residents in training are knowledgeable regarding CRC screening with colonoscopy in averagerisk patients, there are deficiencies in areas of high-risk

Targeted educational interventions specific to training level may optimize resident understanding of management for high-risk patients, alternative screening modalities, and dynamic CRC screening