

No more hide and seek

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No more hide & seek

Strategies to optimize diagnosis and endoscopic treatment of complex colorectal neoplasms

Roel Bogie

Maastricht, 30 november 2022

1. Risk of post-colonoscopy colorectal cancer should be explained to patients as a possible complication of colonoscopy. *This thesis*
2. Patients with flat colonic neoplasms are at greater risk of colorectal cancer development than patients with other (non-flat) polyps, because of more difficult lesion detection and a higher number of metachronous precursor lesions. *This thesis*
3. "Patient counseling, taking into consideration individual risk profiles and life expectancy, paves the way towards cost-effective surveillance strategies." *This thesis, chapter 7*
4. E-learning is an effective tool for training endoscopists in applying classifications and will reduce inter-endoscopist variability. *This thesis*
5. The use of artificial intelligence improves colonoscopy quality of both expert and beginner endoscopists. *Repici A, Spadaccini M, et al. Artificial intelligence and colonoscopy experience: lessons from two randomised trials. Gut 2022*
6. Cases of non-granular LSTs not detected by AI illustrate that endoscopists' awareness is still key, until deep learning algorithms have been perfected. *Lafeuille P, Rivory J, et al. Non-granular laterally spreading tumors: potential superficial cancers that artificial intelligence does not easily detect. Endoscopy 2022*
7. To reduce the environmental burden of endoscopy, reducing the number of unnecessary endoscopic procedures performed is likely to be the single most effective route. *Baddeley R, Aabakken L, Veitch A, Hayee B. Green Endoscopy: Counting the Carbon Cost of Our Practice. Gastroenterology 2022*
8. Patients' expectancy and fear of less financial gain are the most important challenges of physicians in reducing the number of unnecessary endoscopic procedures. *Maurice JB, Siau K, et al. Green endoscopy: a call for sustainability in the midst of COVID-19. Lancet Gastroenterol Hepatol. 2020*
9. Since post-colonoscopy colorectal cancers appear to have the same genetic background as detected colorectal cancers, improving detection and resection of their shared precursor lesions remains fundamental in post-colonoscopy colorectal cancer prevention. *This thesis, impact paragraph*
10. "Only death fish go by the flow." *Andy Hunt, Pragmatic Thinking and Learning: Refactor Your Wetware*
11. "ἐν οἷδα ὅτι οὐδὲν οἷδα", "I know that I know nothing", *Apology of Socrates, Plato*