

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 οἷδ᾽ ὅτι οὐδὲν οἶδ᾽", "I know that I know nothing", *Apology of Socrates, Plato*