

# The proximal adenoma detection rate; a newly proposed colonoscopy quality indicator to be used in addition to the adenoma detection rate?

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<b>Ethische beoordeling</b>	Positief advies
<b>Status</b>	Anders
<b>Type aandoening</b>	-
<b>Onderzoekstype</b>	Observationeel onderzoek, zonder invasieve metingen

## Samenvatting

### ID

NL-OMON26338

### Bron

Nationaal Trial Register

### Verkorte titel

N/A

### Aandoening

Colorectal polyps  
Colorectal adenomas  
Serrated polyps  
Colonoscopy

Colorectale poliepen  
Colorectale adenomen  
Serrated poliepen  
Coloscopie

### Ondersteuning

**Primaire sponsor:** AMC

**Overige ondersteuning:** N/A

## Onderzoeksproduct en/of interventie

### Uitkomstmaten

#### Primaire uitkomstmaten

The occurrence of variances in the proximal ADR and the PSPDR among gastroenterologists and senior gastroenterology residents

## Toelichting onderzoek

### Achtergrond van het onderzoek

Colorectal cancer (CRC) is one of the most frequent causes of cancer related morbidity and mortality and arises from premalignant precursor lesions, such as adenomas and sessile serrated lesions (SSLs). Colonoscopy is the reference standard for the detection and resection of these premalignant colorectal polyps. However, colonoscopy is not fully protective for the development of post-colonoscopy CRCs (PCCRCs), as the majority of PCCRCs seem to arise from colonoscopy related factors, such as premalignant polyps being missed and incomplete polypectomies.

A significant proportion of PCCRCs seem to arise from proximally located premalignant polyps. Proximally located adenomas are frequently missed, as these adenomas commonly contain a flat morphology. The major cause of PCCRCs might be the proximally located serrated polyps (SPs) as their pale color combined with their flat appearance might result in even higher miss rates. As such, the proximal serrated polyp detection rate (PSPDR) has been proposed as a colonoscopy quality indicator.

The adenoma detection rate (ADR) is considered the most important colonoscopy quality indicator, as the ADR is inversely correlated with the occurrence of PCCRCs and CRC mortality in two landmark papers. Previous studies found moderate correlations between the ADR and PSPDR. It therefore seems amendable that endoscopists having a high ADR perform a thorough evaluation of the colon mucosa, leading to a higher detection of all polyps, including proximally located SPs. However, it remains unknown if endoscopists having a high ADR are also more likely to detect proximal adenomas, when missed these adenomas might be an important cause of PCCRCs as well.

### Onderzoeksopzet

Analysis date: 01-01-2018

## Onderzoeksproduct en/of interventie

This is a cross-sectional study of data retrieved from a prospectively collected database of all colonoscopies performed in a single colonoscopy center according to the local daily practice. No formal interventions were performed for the sake of the study

## Contactpersonen

### Publiek

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### Wetenschappelijk

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## Deelname eisen

### Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

We only included the complete colonoscopies performed by endoscopists who performed at least 50 complete colonoscopies within the timeframe of the study.

### Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Colonoscopies performed in patients known with hereditary CRC syndrome, hereditary polyposis syndromes or inflammatory bowel disease (IBD) were excluded. All colonoscopies

performed in fecal immunochemical test (FIT)-positive patients were excluded from the analyses as well.

## Onderzoeksopzet

### Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Toewijzing:	N.v.t. / één studie arm
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

### Deelname

Nederland	
Status:	Anders
(Verwachte) startdatum:	01-01-2011
Aantal proefpersonen:	8000
Type:	Onbekend

## Ethische beoordeling

Positief advies	
Datum:	30-11-2017
Soort:	Eerste indiening

## Registraties

### Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

## Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

## In overige registers

### Register

NTR-new

NTR-old

Ander register

### ID

NL6655

NTR6889

: N/A

## Resultaten