

SUPPLEMENTAL MATERIAL:**Supplemental Table 1: Article search terms by database**

<i>Medline/Pubmed Search Terms:</i>
“Colon”[Mesh] OR "Cecum"[Mesh] OR "Colonic Neoplasms"[Mesh] OR "Cecal Neoplasms"[mesh] OR "Colon, Ascending"[Mesh] OR right colon[tiab] OR ascending colon[tiab] OR cecum[tiab] OR caecum;[tiab] OR coecum[tiab] OR OR cecal[tiab] OR hepatic flexure*[tiab] OR right side[tiab] OR proximal colon[tiab] OR colon[tiab]
<i>Embase Search Terms:</i>
((retro NEXT/1 flex*):ab,ti OR retroflex*:ab,ti OR retroview:ab,ti) AND ('cecum cancer'/exp OR 'cecum'/exp OR 'ascending colon'/exp OR 'colon tumor'/exp OR 'colon':ab,ti OR 'right colon':ab,ti OR 'ascending colon':ab,ti OR cecum:ab,ti OR cecal:ab,ti OR 'hepatic flexure':ab,ti OR 'right side':ab,ti OR 'proximal colon':ab,ti)

Supplemental Table 2: Quality assessment score of studies included in the meta-analysis

Study	1	2	3	4	5	6	7	8	Total
Aadam 2013	1	0	1	1	1	1	1	1	7
Baumann 2009	0	0	1	1	1	0	1	1	5
Chandran 2015	0	1	1	1	1	1	1	1	7
Gaddam 2012	1	1	0	1	1	1	1	1	7
Harrison 2004	0	1	0	1	1	1	1	1	6
Hewett 2011	1	1	0	1	1	1	1	1	7
Kushnir 2015	1	1	0	1	1	1	1	1	7
Vargas 2015	0	1	1	1	1	1	1	1	7

Supplemental Figure 1: Study quality assessment tool

Selection:

Representativeness:

1. Was the spectrum of patients representative of the patients who will receive the test (colonoscopy with right colon retroflexion) in practice. (ie. Study includes adults undergoing screening/surveillance) **
 - a. Yes = 1, No = 0
2. Were the exclusion criteria clearly defined? **
 - b. Yes = 1, No = 0
3. Were consecutive patients enrolled in the study? *
 - c. Yes = 1, No = 0

Ascertainment of exposure:

4. Was the definition of successful retroflexion described? *
 - d. Yes = 1, No = 0

Comparability

5. Each subject undergoes a consecutive cross-over from non-exposed to exposed, therefore, no confounding exists in this design phase. *
 - a. All studies = 1

Outcome

Assessment of outcome*

6. Histology of polyp given: Yes = 1, No = 0
7. Success of retroflexion reported: Yes = 1, No = 0
8. Complications of colonoscopy with retroflexion reported: Yes = 1, No = 0

* Adapted from Newcastle-Ottawa Scale

** Adapted from QUADAS-2 Scale

If classification of quality measure was unclear, then score of 0 was designated.

A priori score for high quality studies designated ≥ 7 . Less than 7 considered low quality.