

Authors: Ward, R., Chen, G., Cooke, M., Endicott, M., Green, H., Kirkland, L., Thirlwell, C., Webster, A., Bailey, S.

Title: An estimation of the prevalence of microsatellite instability/deficient DNA mismatch repair by tumour location in early vs later onset colorectal cancer: A systematic review

Search strategies:

Platform Ovid®
Database Embase

# Search	Search strategy	Field
1	(cancer or carcinoma or adenocarcinoma).ti,ab.	Title/abstract
2	(colorectal or colon or rectal).ti,ab.	Title/abstract
3	(mismatch repair or MMR or microsatellite or MSI or MSS).ti,ab.	Title/abstract
4	(location or laterality or side or sidedness or left-sided or right-sided or distal or proximal).ti,ab.	Title/abstract
5	1 and 2 and 3 and 4	
6	limit 5 to (human and english language and yr="2000 - Current")	
7	limit 6 to (embase and (article or article in press or "review"))	

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Platform Ovid
Database MEDLINE® ALL

# Search	Search strategy	Field
1	(cancer or carcinoma or adenocarcinoma).ti,ab	Title/abstract
2	(colorectal or colon or rectal).ti,ab	Title/abstract
3	(mismatch repair or MMR or microsatellite or MSI or MSS).ti,ab	Title/abstract
4	(location or laterality or side or sidedness or proximal or distal or right-sided or left-sided).ti,ab	Title/abstract
5	1 and 2 and 3 and 4	
6	limit 5 to (human and english language and yr="2000 - Current")	
7	limit 6 to (clinical study or comparative study or journal article or meta analysis or multicenter study or observational study or "systematic review" or technical report)	

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Platform National Library of Medicine
Database PubMed

# Search	Search strategy	Field
1	((colorectal[Title/Abstract] OR (colon[Title/Abstract])) OR (rectal[Title/Abstract]))	Title/Abstract
2	((cancer[Title/Abstract] OR (carcinoma[Title/Abstract])) OR (adenocarcinoma[Title/Abstract]))	Title/Abstract
3	(((((mismatch repair[Title/Abstract] OR (MMR[Title/Abstract])) OR (microsatellite[Title/Abstract])) OR (MSI[Title/Abstract])) OR (MSS[Title/Abstract]))	Title/Abstract
4	((((((((location[Title/Abstract] OR (laterality[Title/Abstract])) OR (sidedness[Title/Abstract])) OR (side[Title/Abstract])) OR (left-sided[Title/Abstract])) OR (right-sided[Title/Abstract])) OR (distal[Title/Abstract])) OR (proximal[Title/Abstract]))	Title/Abstract
5	#1 and #2 and #3 and #4	
6	((#5) AND (English[Language])) AND (("2000/01/01"[Date - Publication] : "2023/08/01"[Date - Publication]))	
7	((((((((#5) AND (English[Language])) AND (("2000/01/01"[Date - Publication] : "2023/08/01"[Date - Publication])))) NOT (Randomized Controlled Trial[Publication Type])) NOT (Case Reports[Publication Type])) NOT (Editorial[Publication Type])) NOT (Letter[Publication Type]))	

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Platform Clarivate™
Database Web of Science Core Collection
Editions Science Citation Index Expanded (SCI-EXPANDED)

# Search	Search strategy	Field
1	((TI=(cancer)) OR TI=(carcinoma)) OR TI=(adenocarcinoma)	Title
2	((AB=(cancer)) OR AB=(carcinoma)) OR AB=(adenocarcinoma)	Abstract
3	#1 OR #2	
4	((TI=(colorectal)) OR TI=(colon)) OR TI=(rectal)	Title
5	((AB=(colorectal)) OR AB=(colon)) OR AB=(rectal)	Abstract
6	#4 OR #5	
7	((((TI=(mismatch repair)) OR TI=(MMR)) OR TI=(microsatellite)) OR TI=(MSI)) OR TI=(MSS)	Title
8	(((((AB=(mismatch repair)) OR AB=(MMR)) OR AB=(microsatellite)) OR AB=(MSI)) OR AB=(MSS)	Abstract
9	#7 OR #8	
10	((((((((TI=(location)) OR TI=(laterality)) OR TI=(side)) OR TI=(sidedness)) OR TI=(left-sided)) OR TI=(right-sided)) OR TI=(distal)) OR TI=(proximal)	Title
11	(((((((((AB=(location)) OR AB=(laterality)) OR AB=(side)) OR AB=(sidedness)) OR AB=(left-sided)) OR AB=(right-sided)) OR AB=(distal)) OR AB=(proximal)	Abstract
12	#10 OR #11	
13	#3 AND #6 AND #9 AND #12	
14	(#3 AND #6 AND #9 AND #12) AND LA=(English)	