

File S1

Search Strategy

Quality of life after risk-reducing hysterectomy: a systematic review

Date of searches: 19 July 2022

PubMed and Medline:

("colorectal neoplasms, hereditary nonpolyposis"[MeSH Terms] OR ("colorectal"[All Fields] AND "neoplasms"[All Fields] AND "hereditary"[All Fields] AND "nonpolyposis"[All Fields]) OR "hereditary nonpolyposis colorectal neoplasms"[All Fields] OR ("lynch"[All Fields] AND "syndrome"[All Fields]) OR "lynch syndrome"[All Fields] OR ("endometrial hyperplasia"[MeSH Terms] OR ("endometrial"[All Fields] AND "hyperplasia"[All Fields]) OR "endometrial hyperplasia"[All Fields]) OR ("menorrhagia"[MeSH Terms] OR "menorrhagia"[All Fields] OR ("heavy"[All Fields] AND "menstrual"[All Fields] AND "bleeding"[All Fields]) OR "heavy menstrual bleeding"[All Fields]) OR "risk reducing surgery"[All Fields] OR "preventive surgery"[All Fields])

AND ("hysterectomy"[MeSH Terms] OR "hysterectomy"[All Fields] OR "hysterectomies"[All Fields])

AND ("quality of life"[MeSH Terms] OR ("quality"[All Fields] AND "life"[All Fields]) OR "quality of life"[All Fields] OR "bladder function"[All Fields] OR "sexual function"[All Fields] OR "decision regret"[All Fields] OR ("menopause"[MeSH Terms] OR "menopause"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields]) OR "cancer worry"[All Fields] OR ("personal satisfaction"[MeSH Terms] OR ("personal"[All Fields] AND "satisfaction"[All Fields]) OR "personal satisfaction"[All Fields] OR "satisfaction"[All Fields] OR "satisfactions"[All Fields] OR "satisfaction s"[All Fields]) OR ("psychosocial"[All Fields] OR "psychosocially"[All Fields]))

Translations

Lynch syndrome: "colorectal neoplasms, hereditary nonpolyposis"[MeSH Terms] OR ("colorectal"[All Fields] AND "neoplasms"[All Fields] AND "hereditary"[All Fields] AND "nonpolyposis"[All Fields]) OR "hereditary nonpolyposis colorectal neoplasms"[All Fields] OR ("lynch"[All Fields] AND "syndrome"[All Fields]) OR "lynch syndrome"[All Fields]

endometrial hyperplasia: "endometrial hyperplasia"[MeSH Terms] OR ("endometrial"[All Fields] AND "hyperplasia"[All Fields]) OR "endometrial hyperplasia"[All Fields]

heavy menstrual bleeding: "menorrhagia"[MeSH Terms] OR "menorrhagia"[All Fields] OR ("heavy"[All Fields] AND "menstrual"[All Fields] AND "bleeding"[All Fields]) OR "heavy menstrual bleeding"[All Fields]

hysterectomy: "hysterectomy"[MeSH Terms] OR "hysterectomy"[All Fields] OR "hysterectomies"[All Fields]

quality of life: "quality of life"[MeSH Terms] OR ("quality"[All Fields] AND "life"[All Fields]) OR "quality of life"[All Fields]

menopause: "menopause"[MeSH Terms] OR "menopause"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields] OR "menopausal"[All Fields]

satisfaction: "personal satisfaction"[MeSH Terms] OR ("personal"[All Fields] AND "satisfaction"[All Fields]) OR "personal satisfaction"[All Fields] OR "satisfaction"[All Fields] OR "satisfactions"[All Fields] OR "satisfaction's"[All Fields]

psychosocial: "psychosocial"[All Fields] OR "psychosocially"[All Fields]

Embase:

('hereditary nonpolyposis colorectal cancer' OR 'lynch syndrome' OR 'lynch syndrome ii' OR 'endometrium hyperplasia' OR 'menorrhagia' OR 'risk reducing surgery' OR 'risk reduction' OR 'preventive medicine')

AND

('hysterectomy'/exp OR hysterectomy)

AND

('quality of life' OR 'bladder function' OR 'sexual function' OR 'decision regret' OR 'cancer worry scale' OR 'satisfaction')

Table S1. Outcomes measured.

Study		Outcomes measured																
First author	Year	Qualitative	Generic QoL			Menopausal		Sexual function				Psychological					Satisfac- tion	Non-validated
			SF-36	EQ-5D	VAS	KI	MENQOL	MSS	SSRS	SPI	FSFI	GHQ	BDI	HADS	STAI	Other		
Risk-reducing hysterectomy																		
Etchegary	2015																	
Etchegary	2018																	
Moldovan	2015																CWS, IES	
Kalamo	2020																	
Treatment of heavy menstrual bleeding																		
<i>Hysterectomy vs Mirena coil/ medication</i>																		
Hurskainen	2001																	
Hurskainen	2004																	
Halmesmäki	2004																	
Halmesmäki	2007																	
Heliövaara-Peippo	2013																	
Kuppermann	2004																BAQ, SPI	
Adigüzel	2017																	
<i>Comparison of total vs subtotal hysterectomy</i>																		
Learman	2003																	
Kuppermann	2005																BAQ, SPI	
<i>Cohort</i>																		
Roberts	1996																	
Brandsborg	2009																	
Till	2022																PROMIS	
<i>Hysterectomy vs endometrial ablation/resection</i>																		
Pinion	1994																	
Alexander	1996																PAIS	
Aberdeen Trials Group	1999																PAIS	
Dwyer	1993																	
Sculpher	1996																	
Mousa	2001																	
O'Connor	1997																POMS, SAS	

Table S3 Jadad scale for randomised controlled trials

Author	Randomisation	Blinding	Account of all patients	Total
Hurskainen 2001				3
Kuppermann 2004				2
Learman 2003				4
Pinion 1994				2
Dwyer 1993				3
O'Connor 1997				3
Crosignani 1997				4
Dickersin 2007				3
Jain 2016				4

Table S4: Newcastle Ottawa Scale for cohort studies

Study	Representative-ness of cohort	Selection of non-exposed cohort	Ascertainment of exposure	Outcome not at start	Comparability	Assessment of outcome	Sufficient follow up	Adequacy of follow up	Total
Risk-reducing hysterectomy									
Moldovan 2015	1	0	1	0	0	0	1	1	4
Kalamo 2020	1	1	1	0	0	0	1	1	5
Treatment of HMB/DUB									
Adigüzel 2017	1	1	1	1	0	0	1	1	6
Roberts 1996	1	0	1	0	0	0	1	1	4
Brandsborg 2009	1	0	1	1	0	0	0	1	4
Till 2022	1	0	1	1	0	0	1	0	4
Mousa 2001	1	1	1	0	0	0	1	1	5
Tjarks 2000	1	1	1	1	0	0	1	1	6
Tapper 1998	1	1	1	0	2	0	1	1	7
Selvanathan 2019	1	1	1	1	0	0	1	0	5