

Supplementary Tables

Table S1 – Surgical outcomes systematic review inclusion/exclusion criteria

Inclusion	Exclusion
Studies including patients equal to or > 18 years of age	Studies on patients <18 years of age
Surgery for Ulcerative Colitis	Case reports, editorials, review articles
Studies report any outcome ¹ after surgery	Published prior to 2002 ³ or data collection period extending no further than 5 years before 2002 ⁴
Procedures (performed as one-, two- or three-stages; laparoscopic, open or robotic); total and subtotal colectomy, ileal pouch-anal anastomosis (IPAA), ileo-rectal anastomosis (IRA)	Clinical guidelines
>20 patients receiving reported procedure ²	<20 patients receiving reported procedure
	Non-English Language
	No reported post-operative outcomes

1. This includes short- and long-term complications, as well as quality of life measure. 2. 20 patients was the cut off as it was agreed by the steering group that studies with a smaller sample size than this could bias results. 3. 2002 was chosen as this is when biologics began to be used in clinical practice. 4. e.g. data collection period from 1998-2008.

Table S2 – Medical outcomes systematic review inclusion/exclusion criteria

Inclusion	Exclusion
Studies including patients equal to or > 18 years of age	Studies on patients <18 years of age
Medical therapy for for Ulcerative Colitis	Case reports, editorials, review articles
Studies report any outcome ¹ of medical therapy	Published prior to 2002 or data collection period extending no further than 5 years before 2002 (See above)
Medication included ¹ ; systemic corticosteroids, immunosuppressants (Methotrexate, azathioprine, tacrolimus), biologics (Ustekinumab, Anti-Integrins, Anti-TNFs, Tofacitinib)	Clinical guidelines
>20 patients in study	<20 patients in study
	Non-English Language

1. Aminosaliclates were not included as the steering group agreed patients at this stage of medical therapy would not be considering surgery.

Table S3 – Systematic review of decision-making factors inclusion/exclusion criteria

Inclusion	Exclusion
Studies which have reported on the facilitators and barriers to ulcerative colitis treatment decision-making for both medical and surgical treatments.	Studies on paediatric patients (defined as under 16 years of age).
Studies using qualitative, quantitative and mixed methods designs.	Studies published in any language other than English.
	Studies on inflammatory bowel disease patients where the data relating to ulcerative colitis patients is not specified separately.
	Studies which have used simulated data