

Supplement 1. Study variables.

**Preoperative data**

Age (years)

Sex (male/female)

American Society of Anesthesiologists (ASA; I-V)

Body mass index (BMI) ( $\text{kg}/\text{m}^2$ )

Immunosuppression (yes/no)

Smoking (yes/no)

Diabetes (yes/no)

Cardiovascular morbidity (yes/no)

Preoperative albumin (g/L)

Preoperative CRP (mg/L)

Preoperative Radiotherapy (yes/no)

Diagnosis (malignancy, diverticulitis, specified other)

**Peroperative data**

Operation time (minutes)

Bleeding (mL)

Hinchey grading (if perforated diverticulitis; I, II, III and IV)

Preoperative bowel preparation (yes/no)

Acute or elective surgery (yes/no)

Drainage of rectal stump (yes/no)

Transection level of rectum (cm)

Closure of rectum stump (stapled, oversewn)

**Postoperative data**

ICU care (yes/no)

Hospital stay (day)

Pelvic sepsis (yes/no)

Postoperative complications (yes/no and type)

Reoperation (yes/no)

Unplanned admission first 90 days (yes/no)

Stoma reversed (yes/no; date)