

Table 1. Key Questions and PICOTS

	KQ1: Antibiotics	KQ1: Antibiotics vs. No Antibiotics	KQ2: Diagnostic imaging	KQ3: Follow-up colonoscopy	KQ4: Surgical and interventional management	KQ5: Prevention of recurrence
Population	Adults with diverticulitis Subgroups: age, ethnicity, gender, comorbidities, disease presentation	Adults with diverticulitis Subgroups: age, ethnicity, gender, comorbidities, disease presentation	Adults with suspected diverticulitis Subgroups: age, ethnicity, gender, comorbidities, disease presentation	Adults with resolved episode of ACD Subgroups: age, ethnicity, gender, comorbidities, disease presentation	Adults with recurrent diverticulitis (complicated or uncomplicated) Subgroups: age, ethnicity, gender, comorbidities, disease presentation	Adults with history of diverticulitis Subgroups: age, ethnicity, gender, comorbidities, disease presentation
Interventions	Antibiotics (oral or parenteral) Clear liquid diet (no antibiotics)		CT scan, MRI, ultrasound	Colonoscopy	<ul style="list-style-type: none"> • Laparoscopic lavage and drainage • Percutaneous drainage (interventional radiology) • Surgical resection with primary anastomosis • Hartmann's procedure 	Drug (ex. 5-amino salicylates, etc.) and non-drug (ex. dietary) interventions

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Comparators	No antibiotics, clear liquid diet only, antibiotics by other route of administration, type of antibiotic, duration of course		Other included intervention	No endoscopy	<p>No intervention, Other active intervention</p> <p>Comparisons of interest:</p> <p>All ACD stages Intervention (surgery/ laparoscopic lavage and drainage) vs. no intervention/antibiotics only</p> <p>For peri-colic and pelvic abscesses (Hinchey stages I, II):</p> <p>Percutaneous or laparoscopic drainage vs. surgery</p> <p>For purulent and feculent peritonitis (Hinchey stages III, IV):</p> <p>Laparoscopic lavage and drainage vs. surgery</p> <p>For surgical approaches:</p> <p>Primary anastomosis (with or without protective stoma) vs. Hartmann's procedure</p>	No intervention, other drug, other non-drug, drug vs. non-drug, combinations

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Outcomes	Resolution of diverticulitis, recurrent diverticulitis, avoidance of surgery, morbidity, mortality, adverse events		Diagnostic accuracy, adverse events	Occult colorectal cancer, recurrent diverticulitis, adverse events	Resolution of diverticulitis, morbidity, mortality, adverse events	Recurrent diverticulitis, adverse events
Timing	All		All	Acute vs. convalescent	All	All
Setting	Inpatient, outpatient		Inpatient, outpatient	Outpatient	Inpatient, outpatient	Outpatient

Abbreviations: KQ=Key Questions; ACD=Acute Complicated Diverticulitis; MRI=Magnetic Resonance Imaging; CT=Computed Tomography