

Table 2. Characteristics of included studies

Study	Participants	Comparison	CT timing	Outcome measures	Comments	Risk of bias (per outcome measure)*
<i>Studies included in Li, 2019</i>						
Balthazar, 1997	N at baseline: 100 Age (mean): NR Sex (no. of male): NR Prevalence of disease with reference test n (%) 90/100 (90%)	Index test: CT with IV contrast Comparator test: - Reference test: surgical findings or clinical findings	NR	SBO: TP: 90 FP: 0 FN: 2 TN: 8 Sensitivity: 0.98 (0.92, 1.00) Specificity: 1.00 (0.63, 1.00) Ischemia: Sensitivity: 0.83 (0.61, 0.95) Specificity: 0.94 (0.85, 0.98)		Low
Daneshmand, 1999	N at baseline: 45 Age (mean): 44 Sex (no. of male): NR Prevalence of disease with reference test n (%) 38/45 (84%)	Index test: CT Comparator: - Reference standard: surgical findings or clinical findings	NR	SBO: TP: 35 FP: 5 FN: 3 TN: 8 Sensitivity: 0.92 (0.79, 0.98) Specificity: 0.71 (0.29, 0.96)		Unclear: Index test, flow and timing
Donckier, 1998	N at baseline: 54 Age (mean): 62 Sex (no. of male): 30	Index test: CT Comparator: - Reference standard: surgical findings or clinical findings	NR	Ischemia: Sensitivity: 1.00 (0.79, 1.00) Specificity: 0.93 (0.80, 0.98)		Unclear: index test, flow and timing

	Prevalence of disease with reference test n (%) 38/45 (84%)					
Jancelewicz, 2009	N at baseline: 192 Age (mean): 59 Sex (no. of male): 81	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.55 (0.32, 0.77) Specificity: 0.94 (0.87, 0.98)		High: index test, Unclear: flow and timing
Jang, 2010	N at baseline: 60 Age (mean): 29 Sex (no. of male): 54 Prevalence of disease with reference test n (%) 32/134 (24%)	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.92 (0.78, 0.98) Specificity: 0.67 (0.45, 0.84)		Low
Kato, 2010	N at baseline: 115 Age (mean): 73 Sex (no. of male): 60 Prevalence of disease with reference test n (%) 115/115 (100%)	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.85 (0.55, 0.98) Specificity: 0.96 (0.90, 0.99)		Unclear: flow and timing
Kim, 2004	N at baseline: 136 Age (mean): 51 Sex (no. of male): 71	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.70 (0.57, 0.80) Specificity: 0.78 (0.66, 0.87)		High: flow and timing

	Prevalence of disease with reference test n (%) 105/136 (77%)					
Millet, 2017	N at baseline: 256 Age (mean): 64 Sex (no. of male): NR Prevalence of disease with reference test n (%) 62/105 (59%)	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.94 (0.84, 0.98) Specificity: 0.76 (0.69, 0.82)		Low
Zalcman, 2000	N at baseline: 142 Age (mean): 61 Sex (no. of male): 81 Prevalence of disease with reference test n (%) 24/142 (20%)	Index test: CT Comparator: - Reference standard: surgical findings	NR	Ischemia: Sensitivity: 0.96 (0.79, 1.00) Specificity: 0.93 (0.87, 0.97)		Unclear: flow and timing
<i>Additional studies</i>						
Liu, 2021	N at baseline: 134 Age (mean, SD): 58.08 ± 14.88 Sex (male): 81 Prevalence of disease with reference test n (%)	Index test: Unenhanced multisection CT and contrast-enhanced CT Comparator: - Reference standard: surgery	NR	Strangulated SBO (n=32): Specificity and PPV: 100% Sensitivity and NPV: 90.63%		Unclear: index test, reference standard

	32/134 (24%)					
Nielsen, 2023	<p>N at baseline: 176</p> <p>Age (mean): 73 (IQR 59-79)</p> <p>Sex (male): 83</p> <p>Prevalence of disease with reference test n (%) 81/176 (46%)</p>	<p>Index test: CT with IV contrast</p> <p>Comparator: -</p> <p>Reference standard: surgery</p>	<p>NR (only patients who underwent acute operation (<24h) were included in analyses regarding bowel ischemia</p>	<p>Adhesional SBO: Patients with the condition: 81</p> <p>Sensitivity: 84.0%</p> <p>Specificity: 67.0%</p> <p>PPV: 68.7%</p> <p>NPV: 82.9%</p>		<p>Unclear: index test, reference standard</p>

Abbreviation: CT, computer tomography; SBO, small bowel obstruction; TP, true positives; FP, false positives; FN, false negatives; TN, true negatives; NR, not reported.

*For further details, see risk of bias table in the appendix