

ONLINE SUPPLEMENTARY MATERIAL 1: Search string used for the PubMed database search.

(((((intestinal obstruction) OR (intestinal AND obstruction)) OR (bowel obstruction) OR (ileus) OR (bowel AND obstruction))) AND ((predict OR prognos* OR Stratification OR ROC Curve OR Discrimination OR Discriminate OR c- statistic OR c statistic OR area under the curve auc OR Calibration OR Indices OR Algorithm OR Multivariable)) NOT ((review[Publication Type] OR Bibliography[Publication Type] OR Editorial[Publication Type] OR Letter[Publication Type] OR News[Publication Type])))*

ONLINE SUPPLEMENTARY MATERIAL 2: Risk of bias assessment

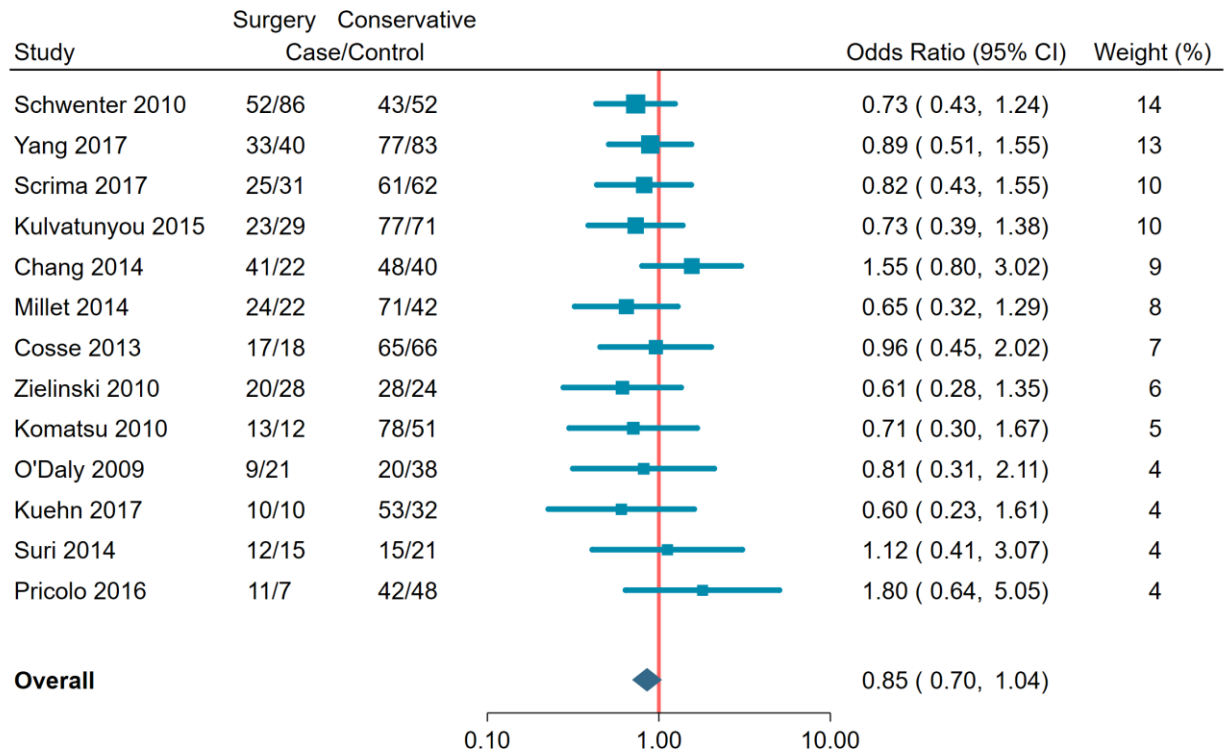
STUDY	RISK OF BIAS					APPLICABILITY		
	Patient selection	Index tests	Reference standard	Flow and timing	Additional questions	Patient selection	Index test	Reference standard
Assenza 2016								
Bouassida 2020								
Cengel 2021								
Chang 2014								
Cosse 2013								
Ferris 2021								
Geffroy 2014								
Hwang 2009								
Jancelewicz 2008								
Jones 2007								
Khaled 2018								
Kogha 2017								
Komatsu 2010								
Kuehn 2017								
Kulvatunyou 2015								
Markogiannakis 2011								
Millet 2014								
Millet 2017								
Mu 2018								
O'Daly 2009								
O'Leary 2014								
O'Leary 2016								
Perea Garcia 2004								
Pricolo 2016								
Schwenter 2010								
Scrima 2017								
Suri 2014								
Tanaka 2008								
Yang 2017								

Zielinski 2010								
Zielinski 2011								

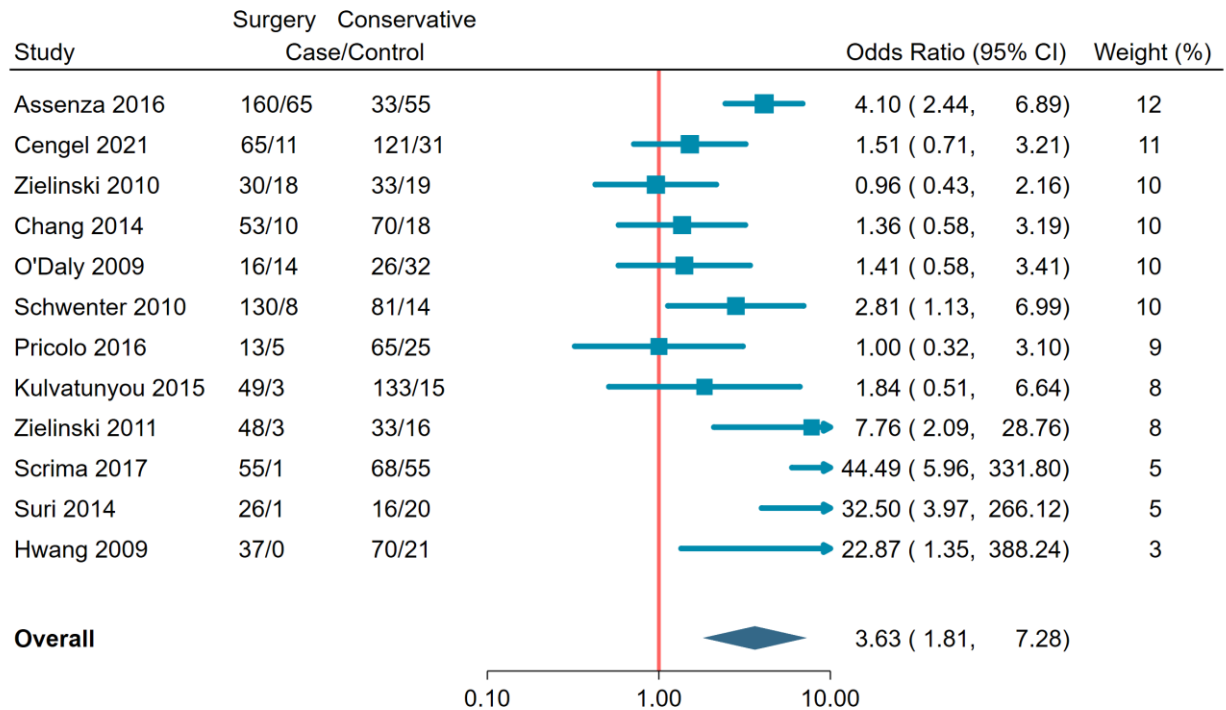
Key: Risk of bias  = low,  = unclear,  = high

ONLINE SUPPLEMENTARY MATERIAL 3: Meta-analysis of potential predictor variables to predict the need for surgery versus conservative therapy in small bowel obstruction.

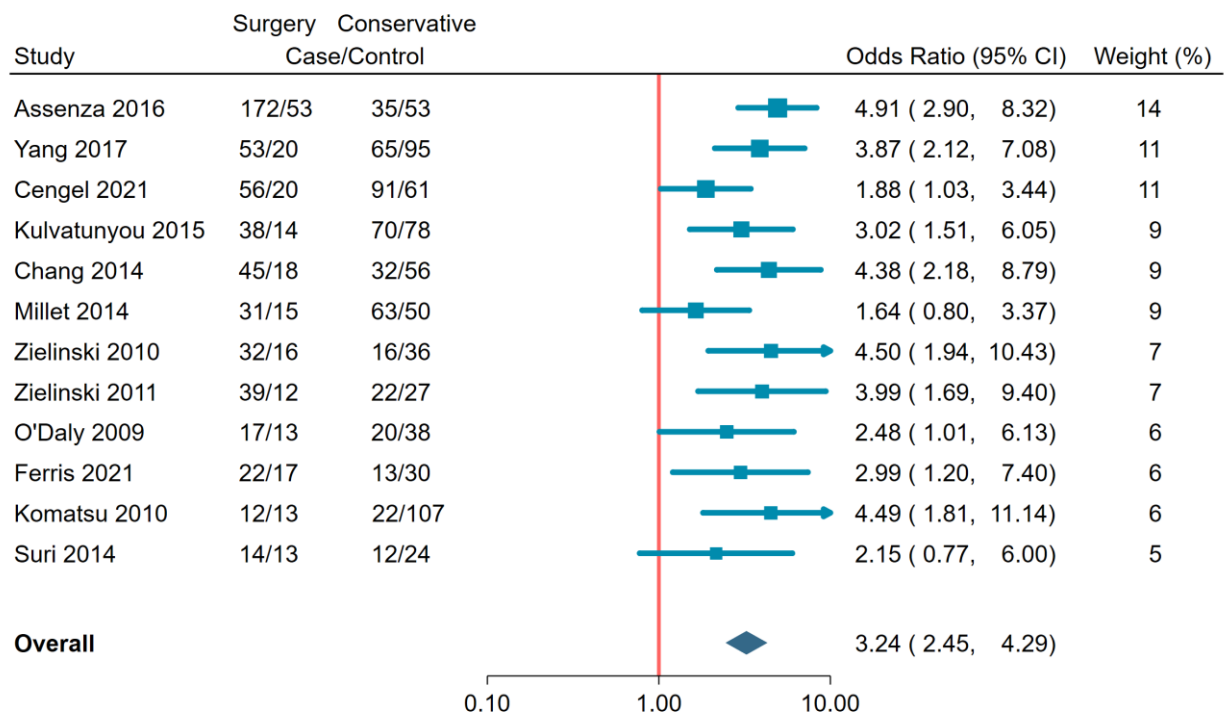
Male sex:



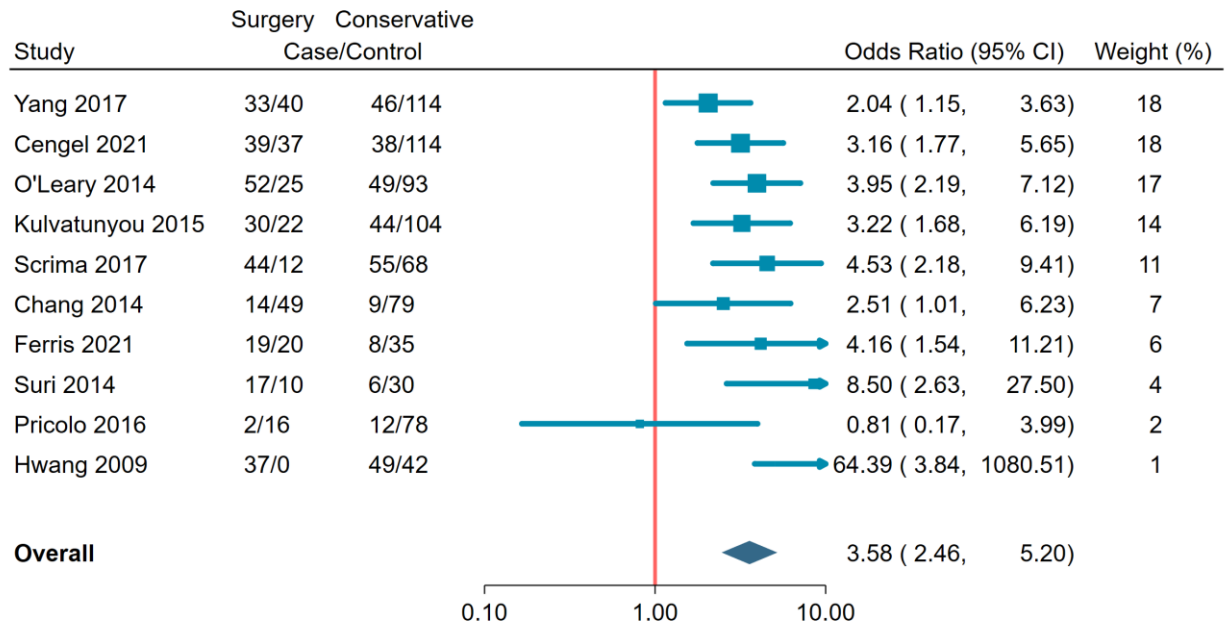
Presence of a transition point:



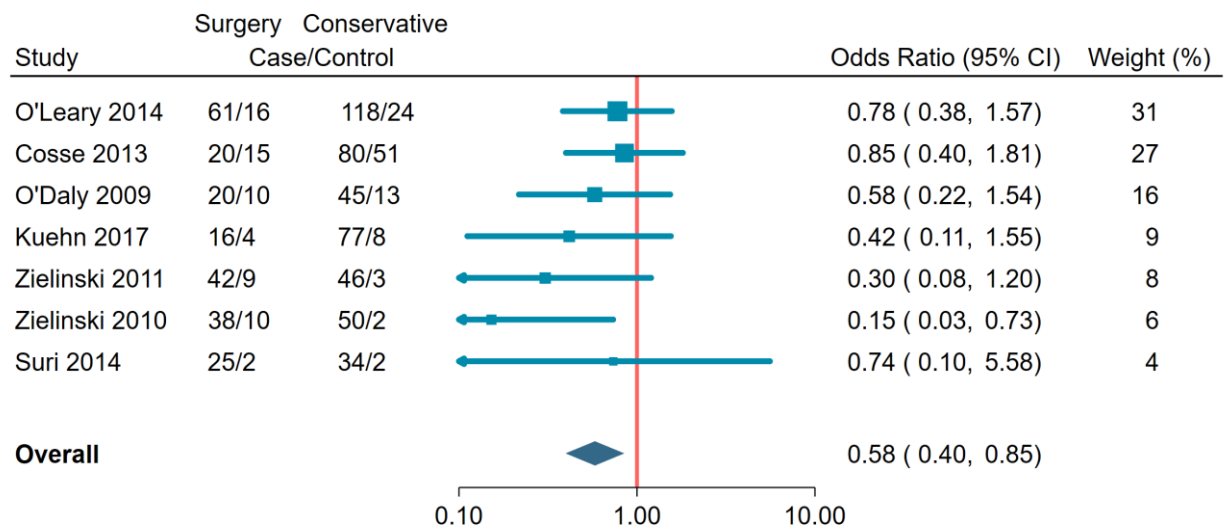
Peritoneal free fluid:



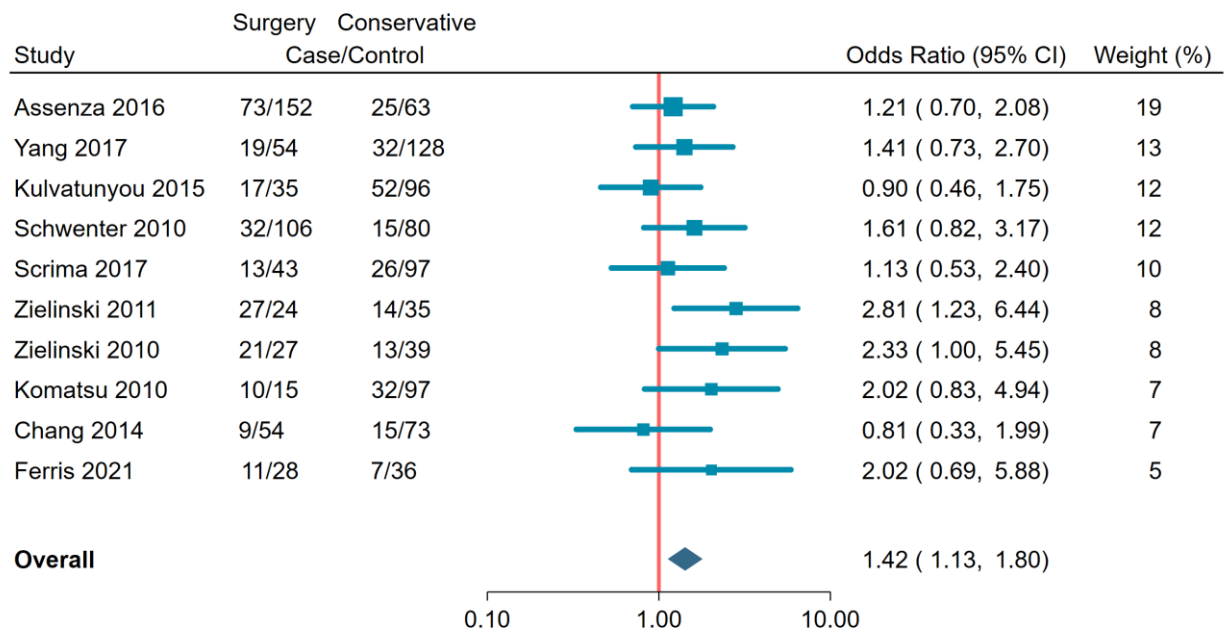
High grade obstruction:



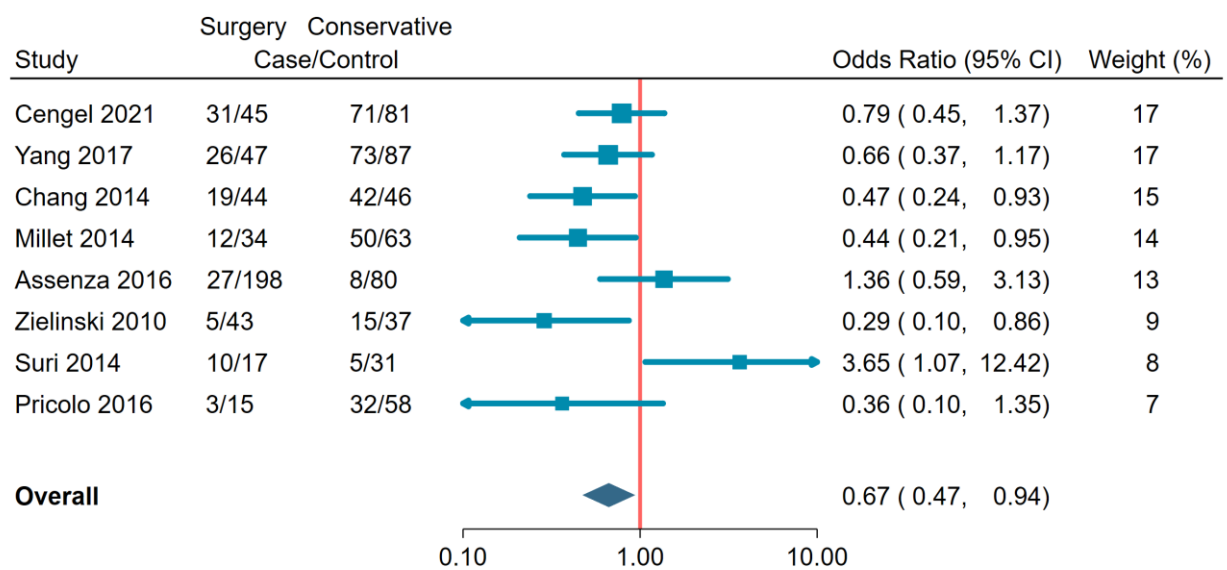
History of abdominal or pelvic surgery:



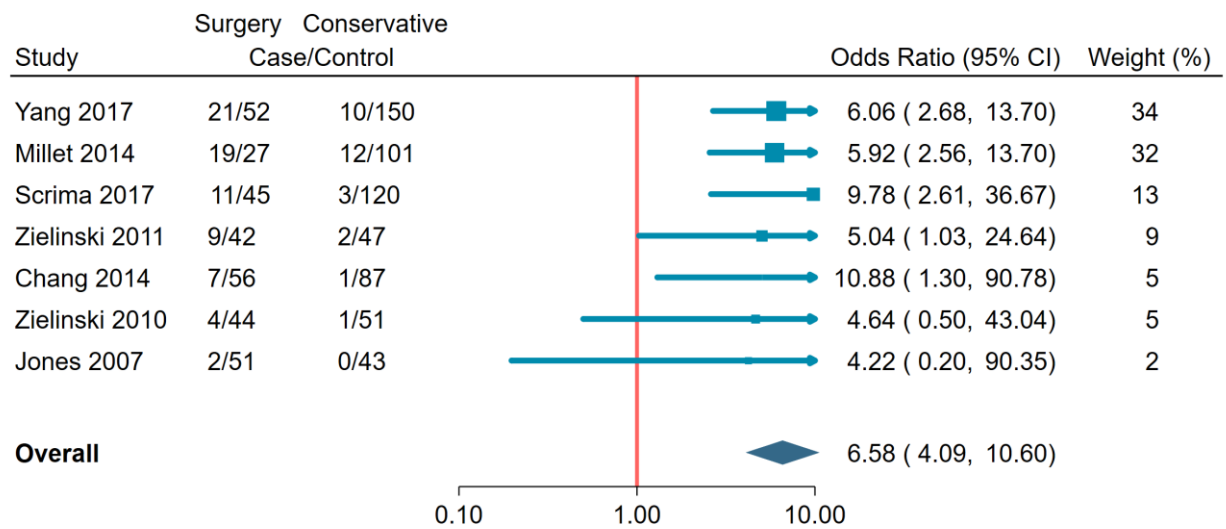
Thickened bowel wall:



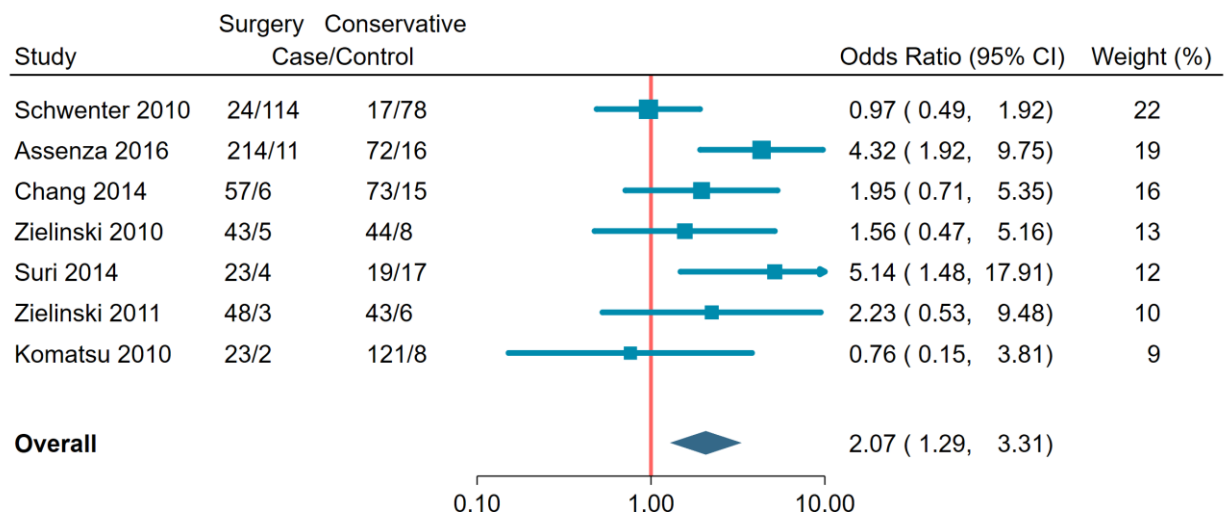
Small bowel faeces sign:



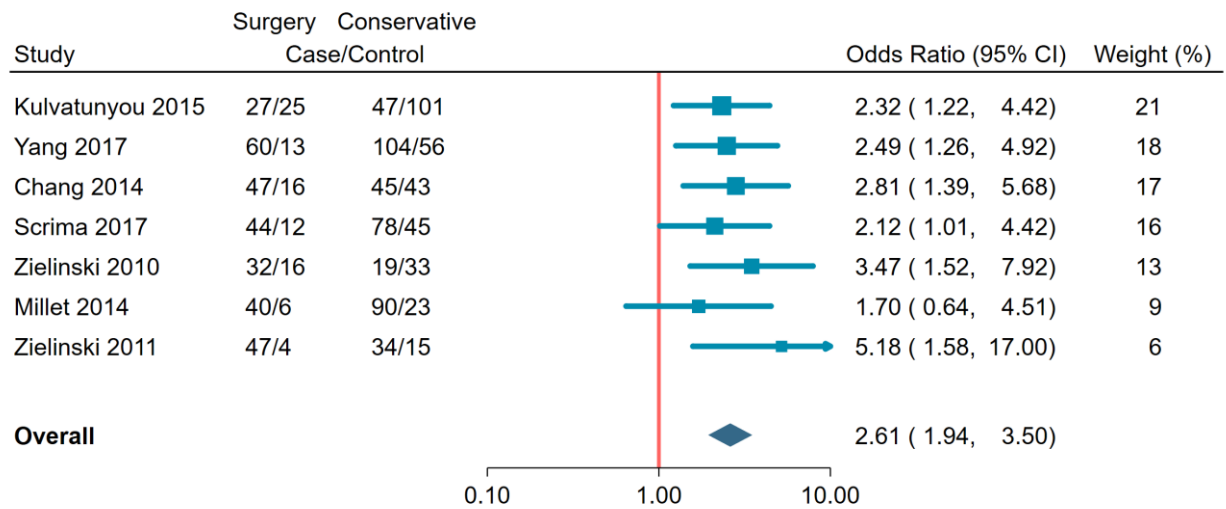
Closed loop obstruction:



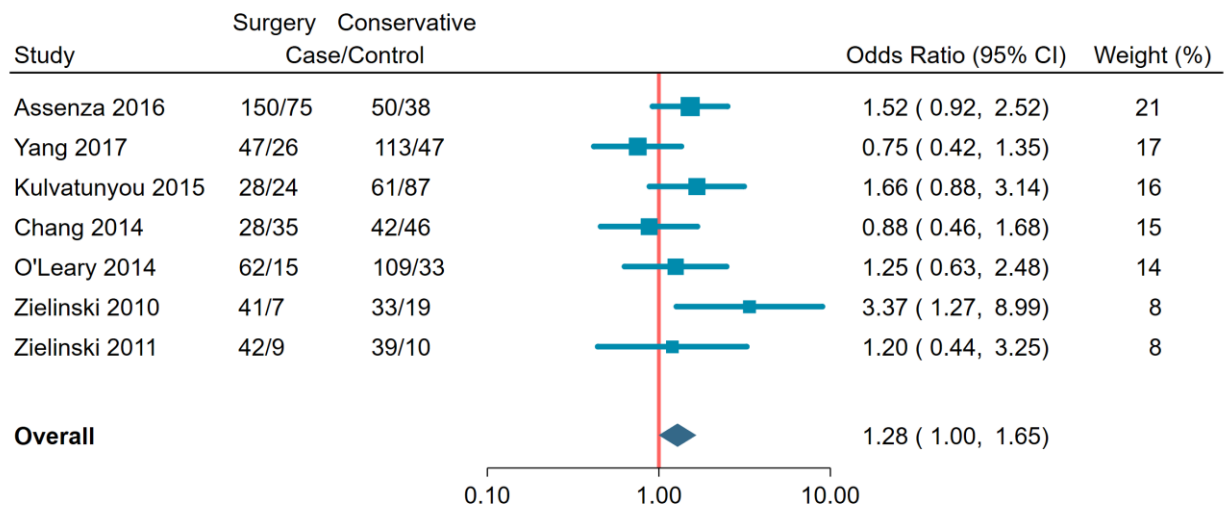
Dilated small bowel:



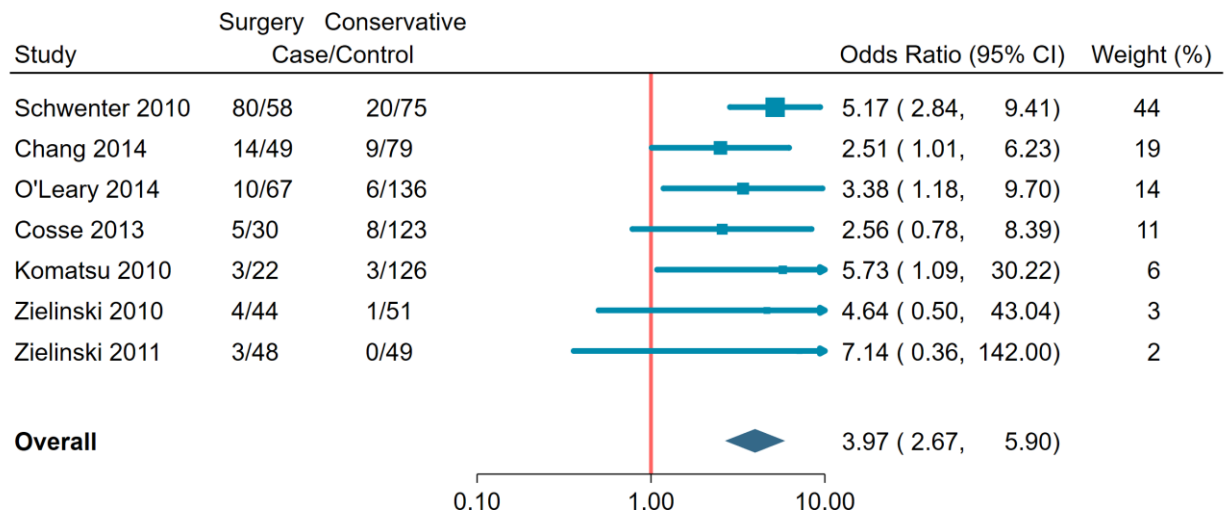
Mesenteric inflammatory changes:



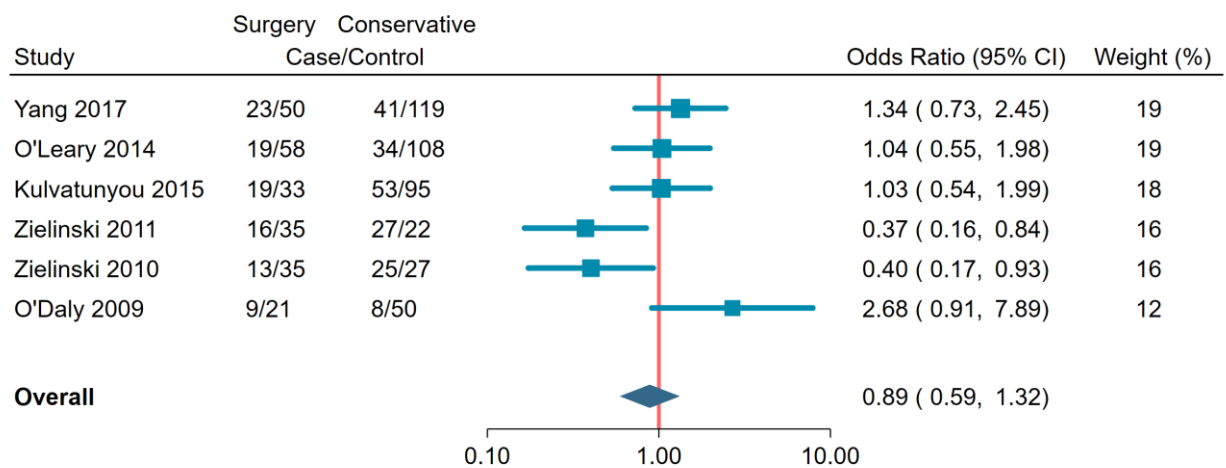
Nausea or vomiting:



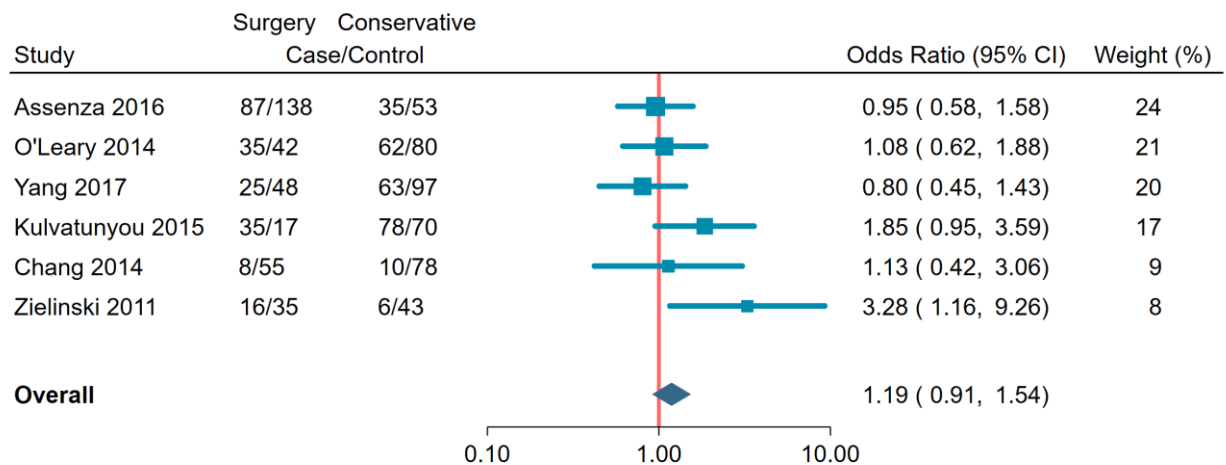
Signs of peritonism:



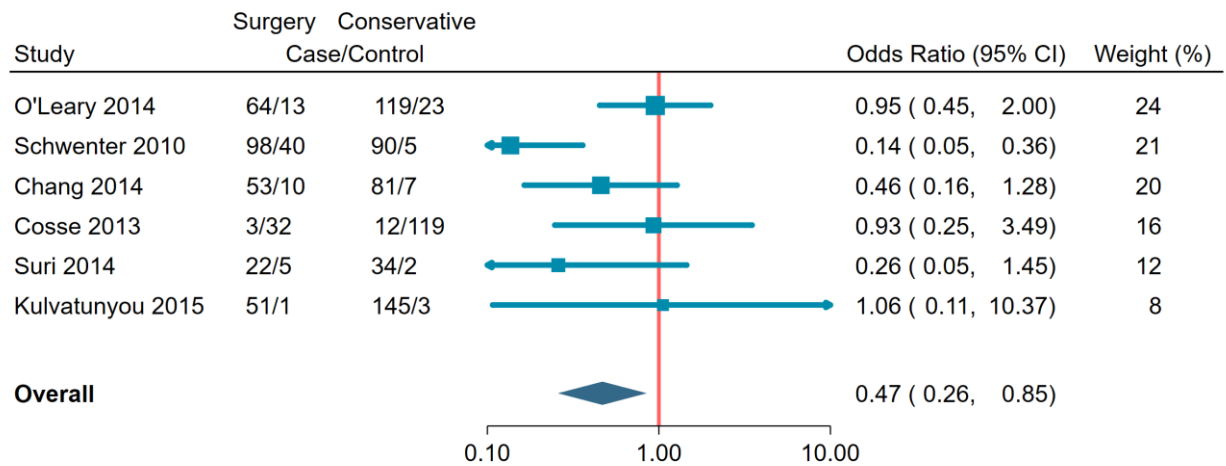
History of small bowel obstruction:



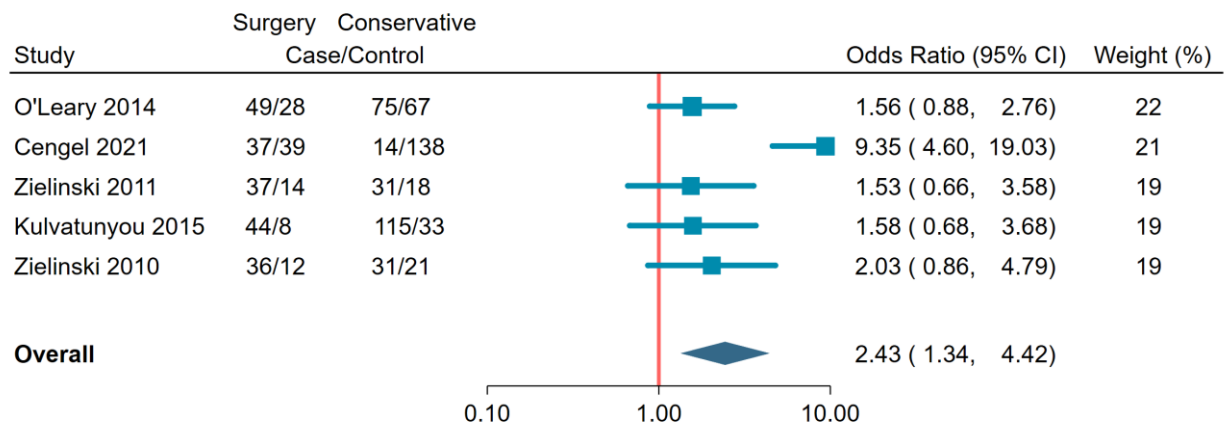
Obstipation:



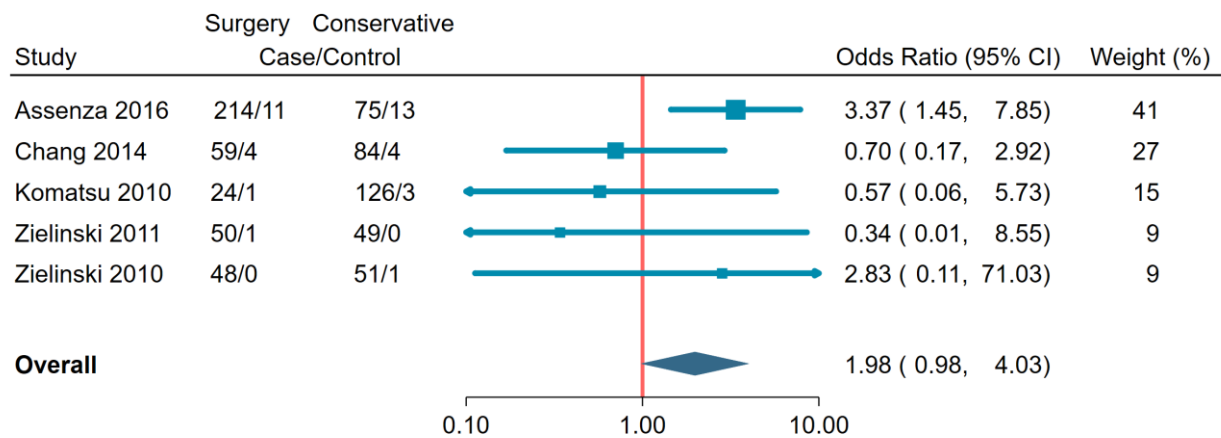
Presence of pain:



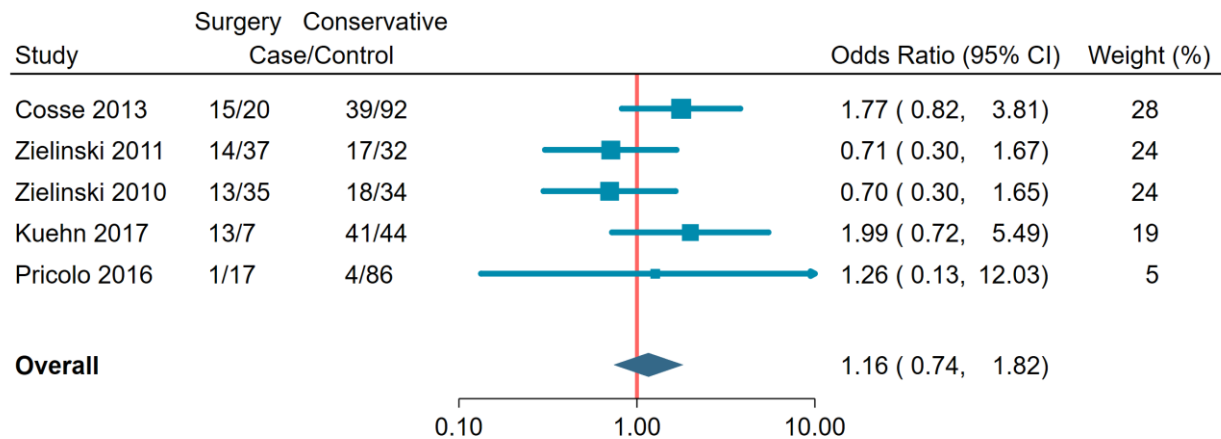
Abdominal distension:



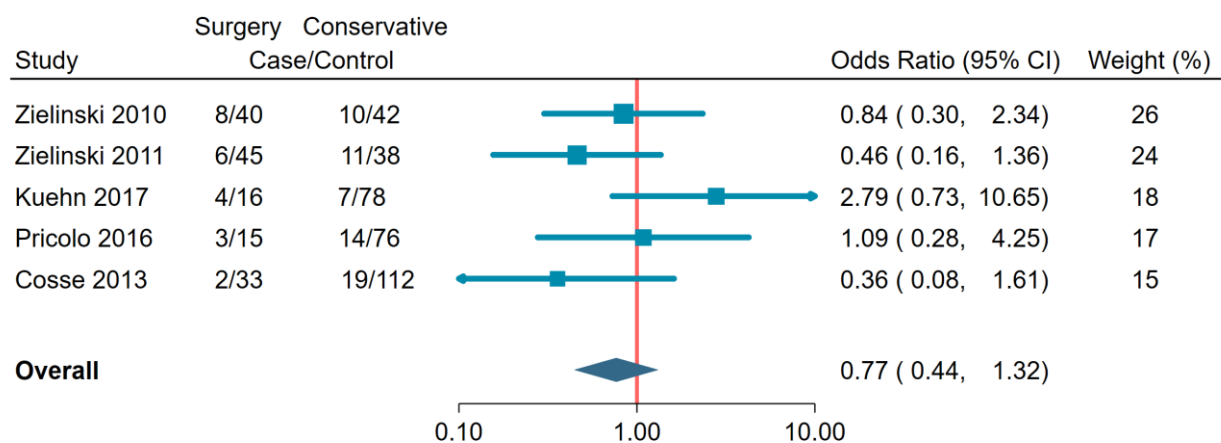
Gas-fluid levels:



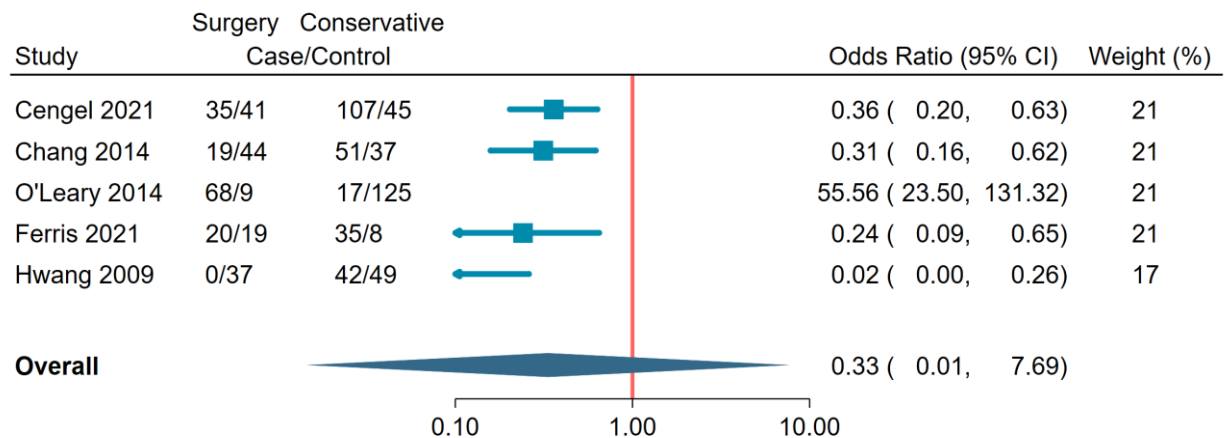
History of cardiac disease:



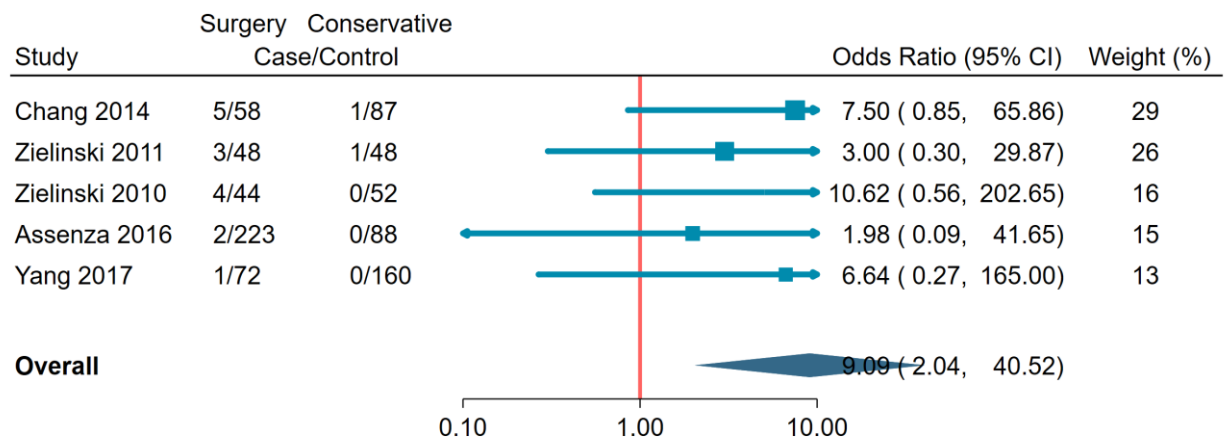
History of diabetes:



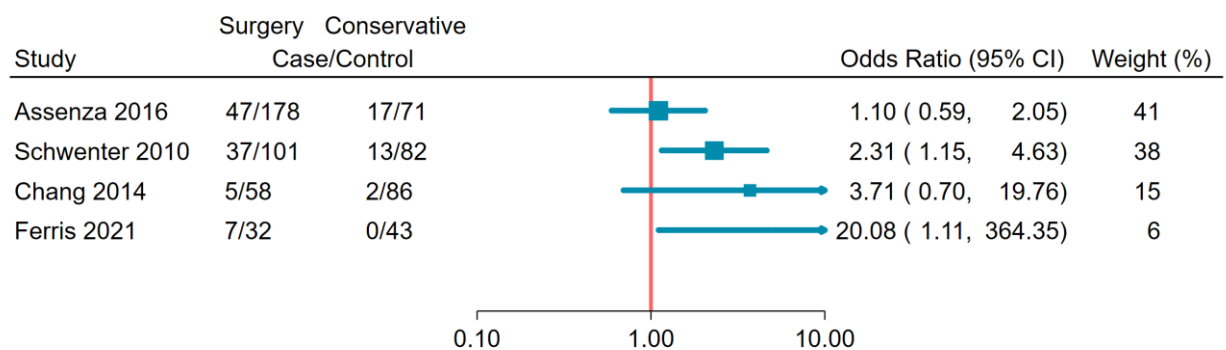
Low grade obstruction:



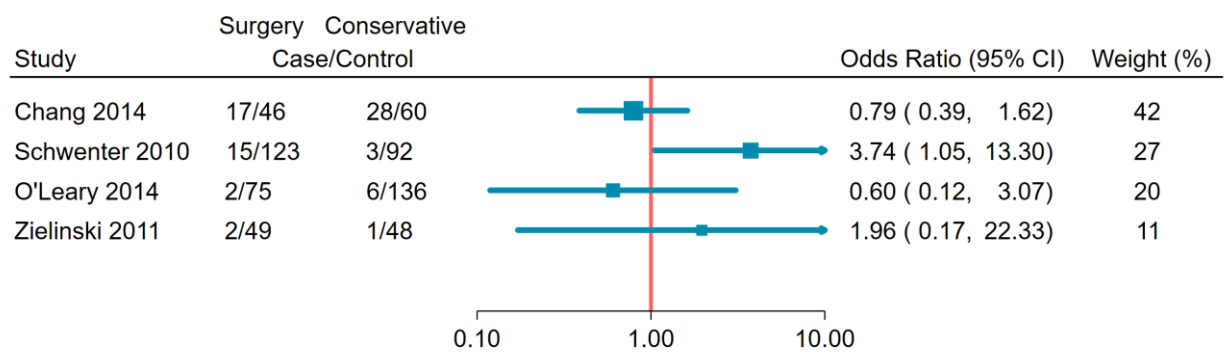
CT signs of bowel necrosis:



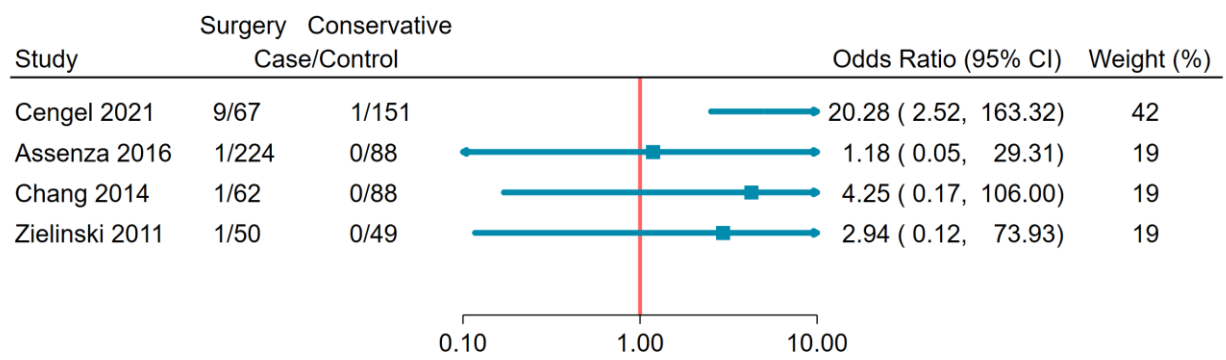
Decreased bowel wall enhancement:



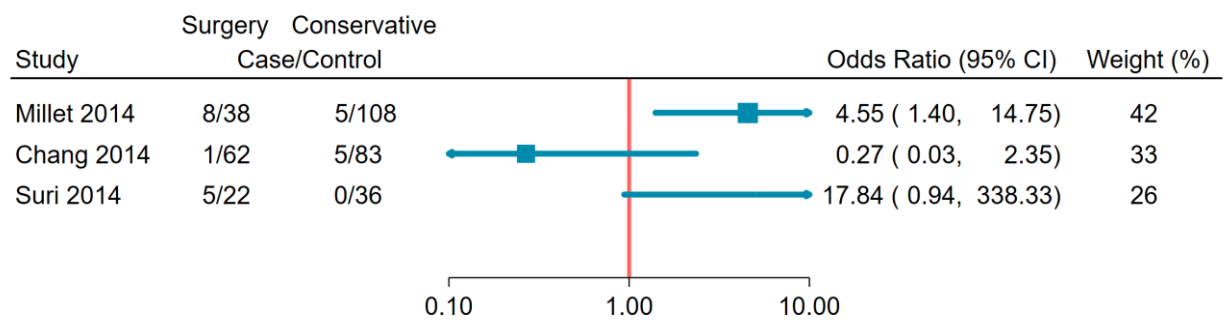
Pyrexia:



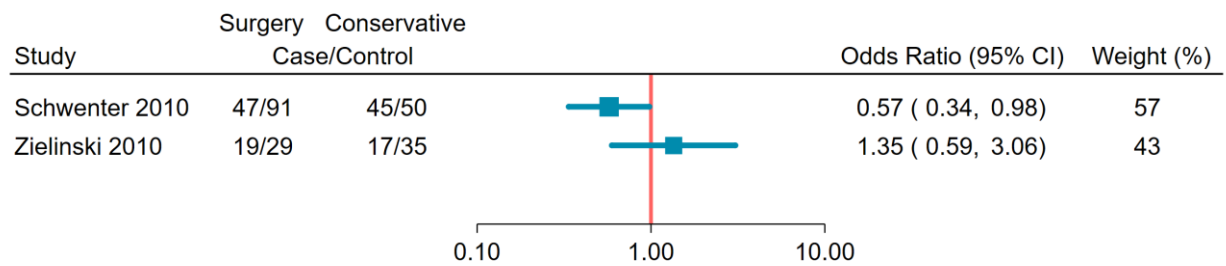
Pneumoperitoneum:



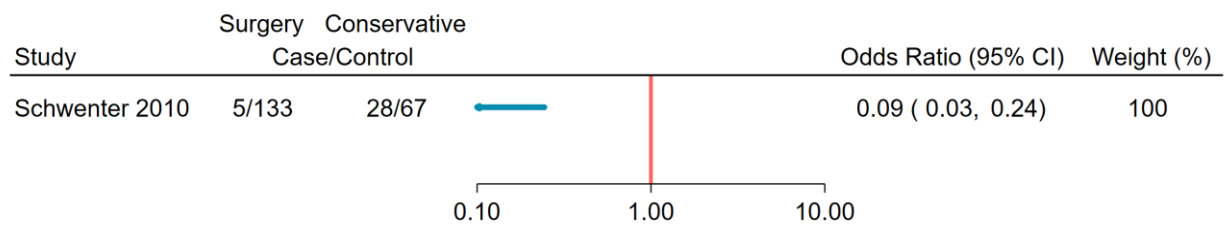
CT whirl sign:



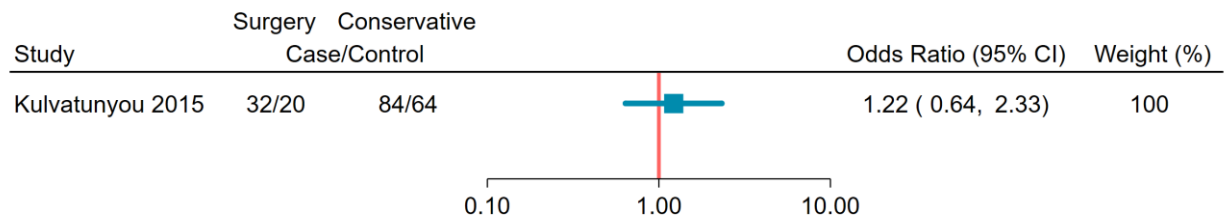
Elevated WBC:



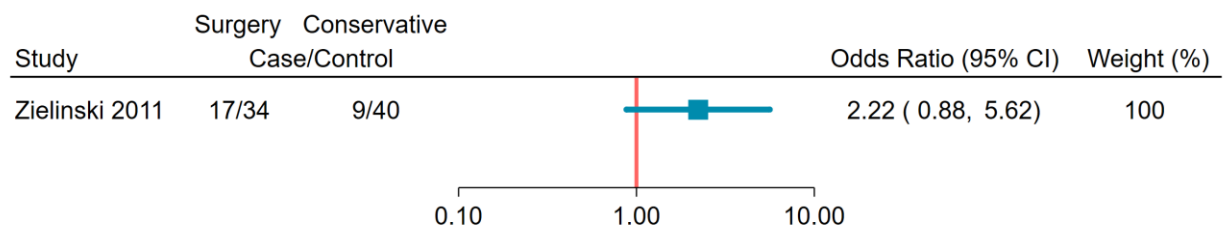
Elevated CRP:



Presence of contrast in the colon:

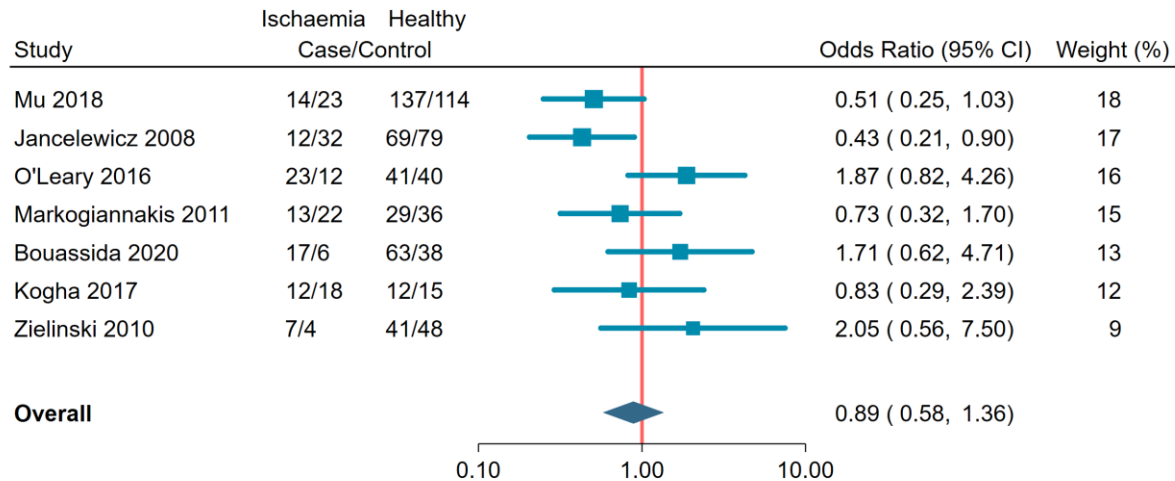


Tachycardia:

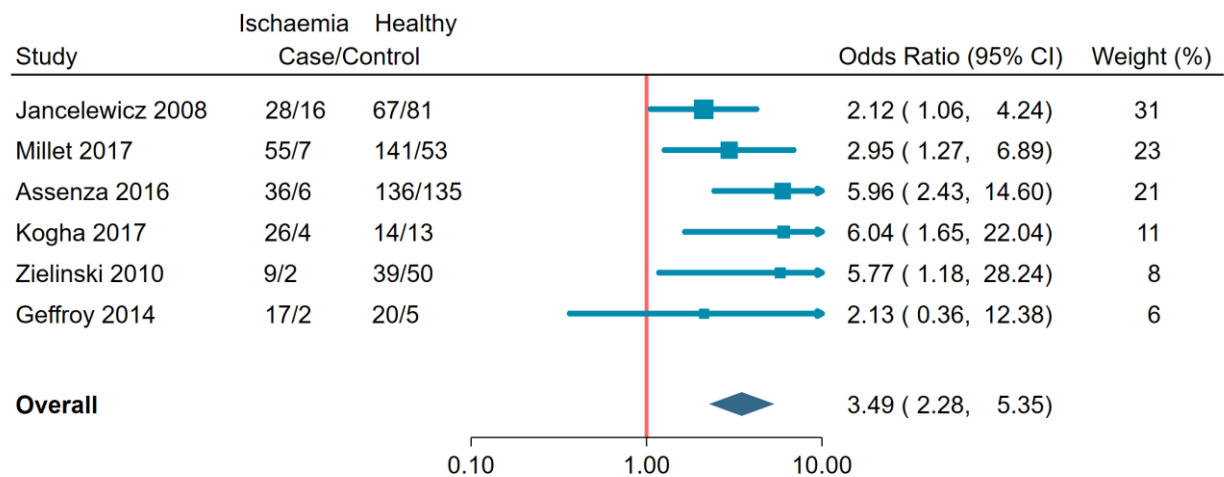


ONLINE SUPPLEMENTARY MATERIAL 4: Meta-analysis of potential predictor variables to predict small bowel ischaemia at surgery for small bowel obstruction:

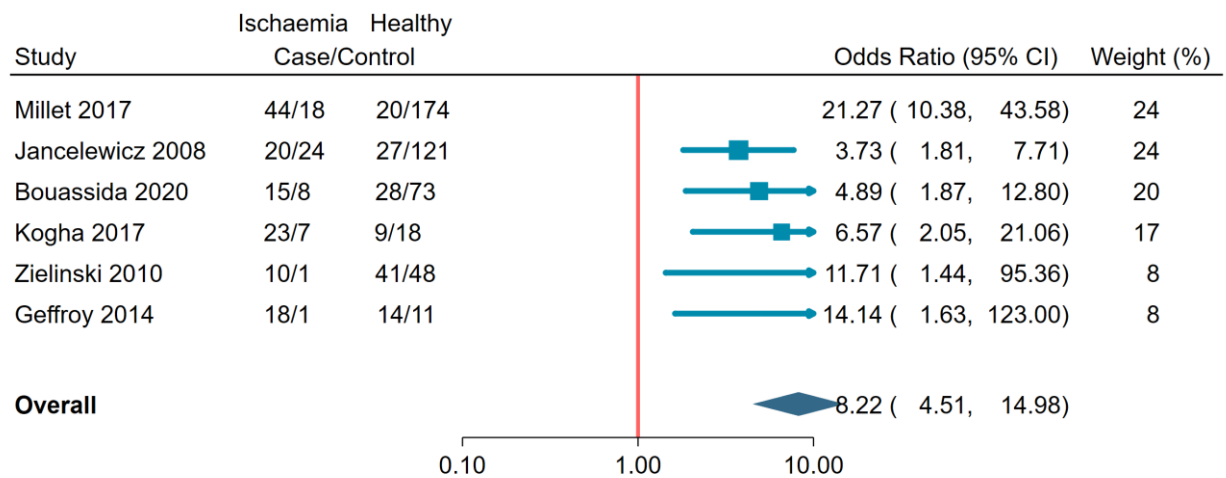
Male sex:



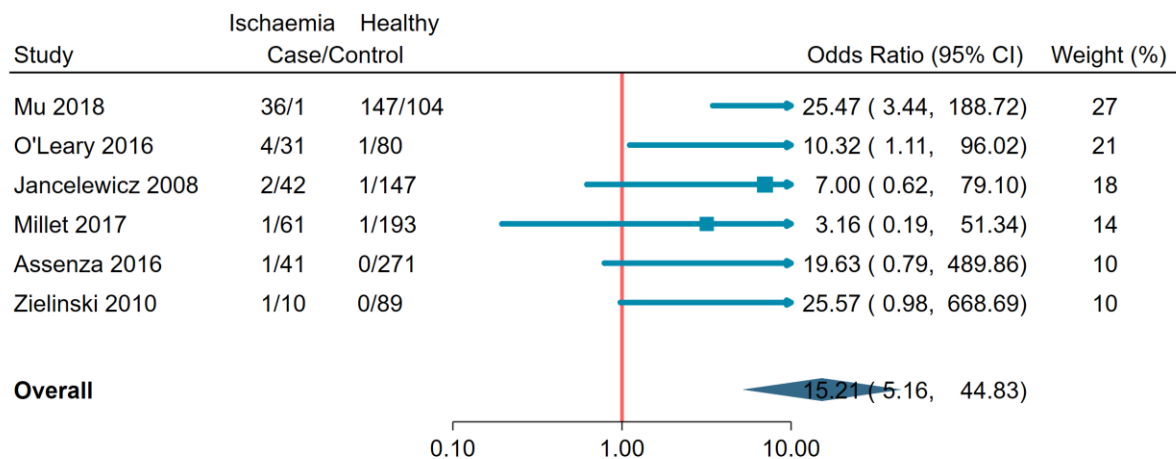
Peritoneal free fluid:



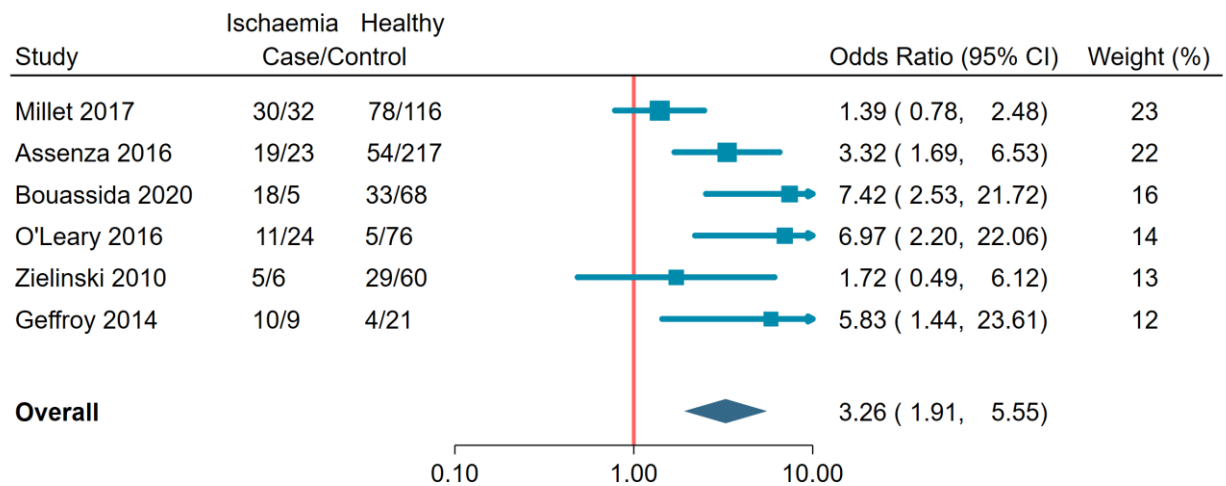
Mesenteric inflammation:



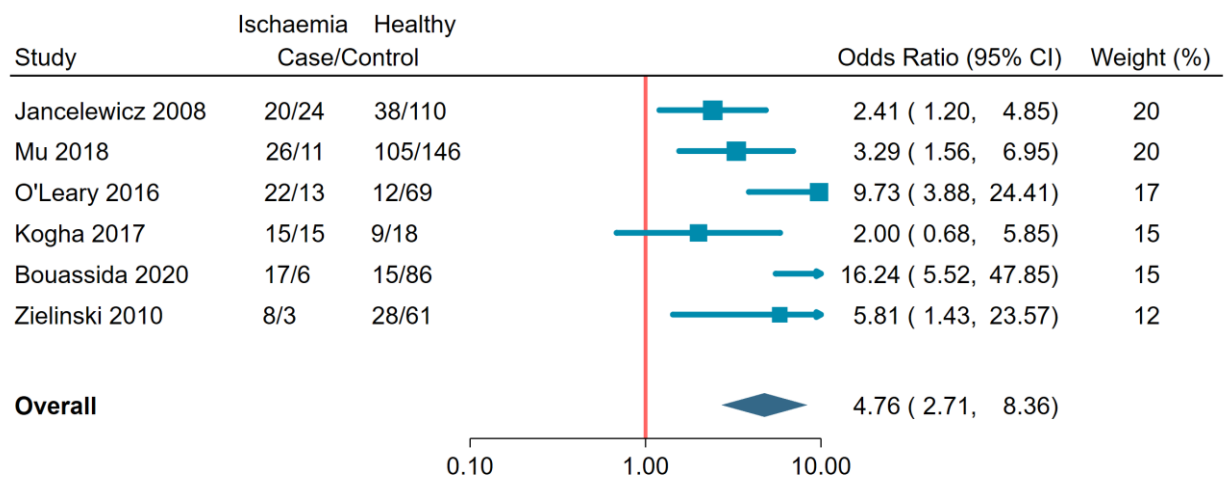
Pneumoperitoneum:



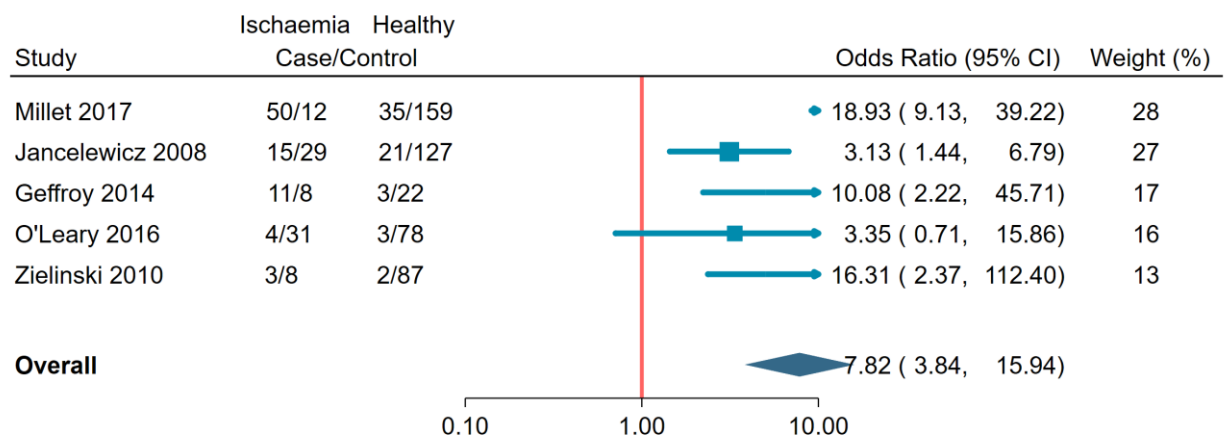
Thickened bowel:



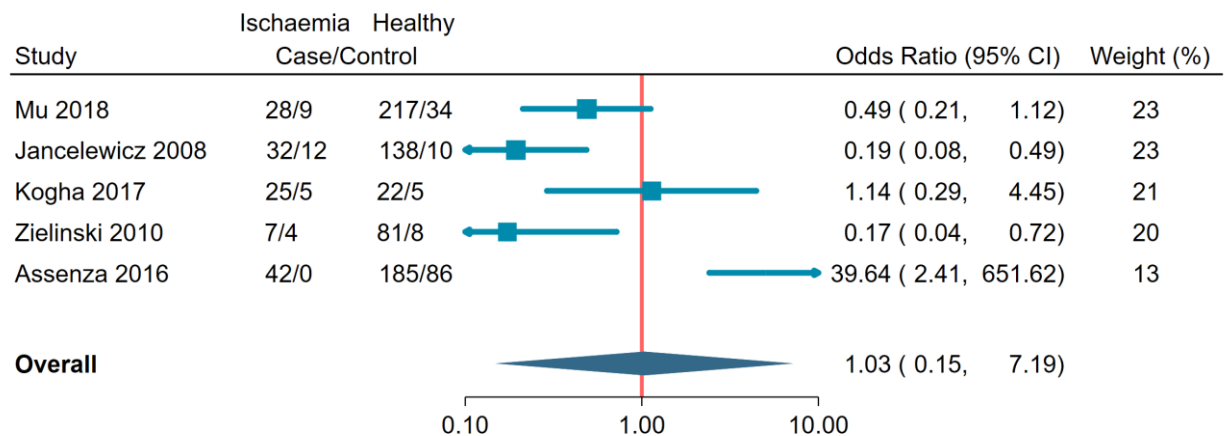
Elevated WBC:



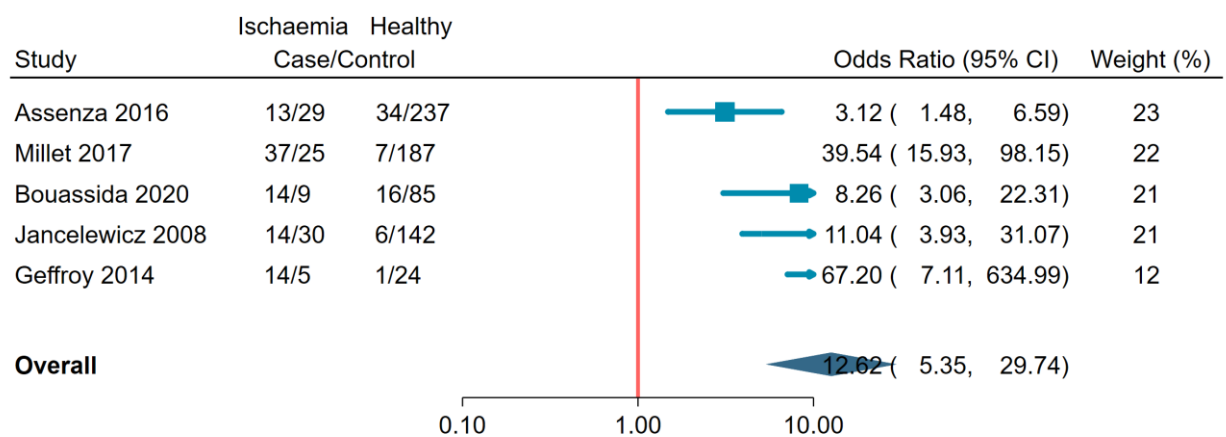
Closed loop obstruction:



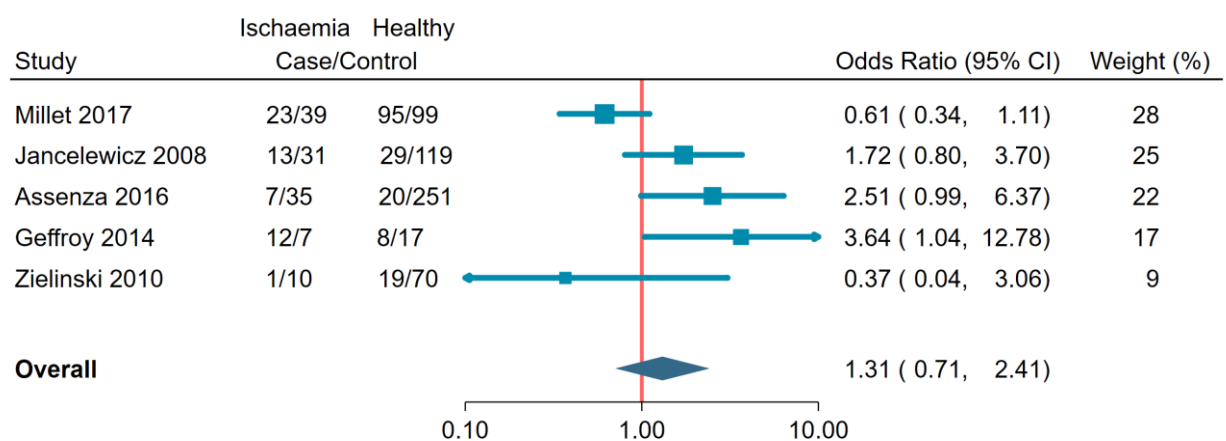
History of abdominopelvic surgery:



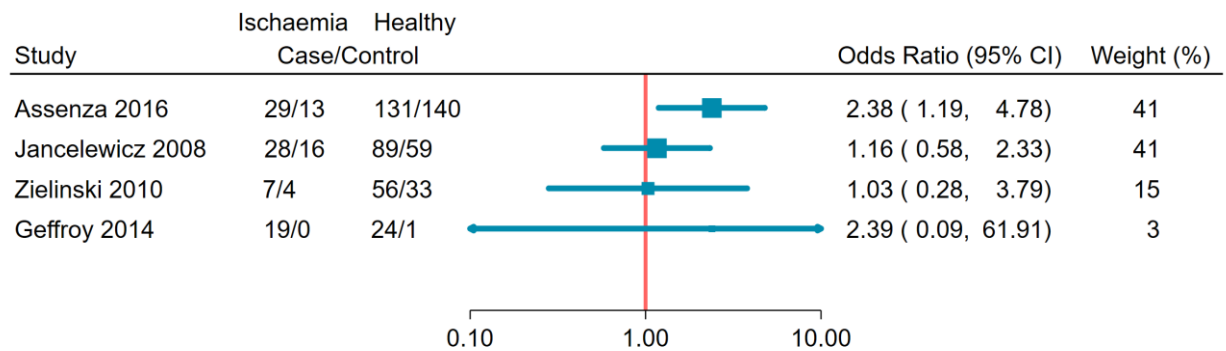
Decreased mural enhancement:



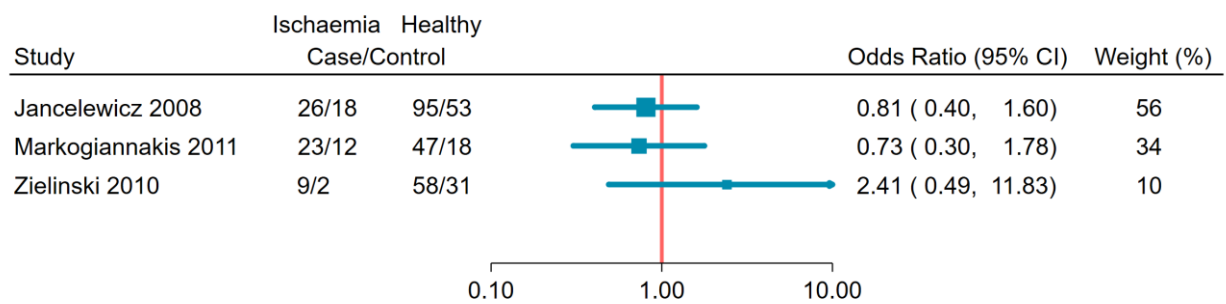
Small bowel faeces sign:



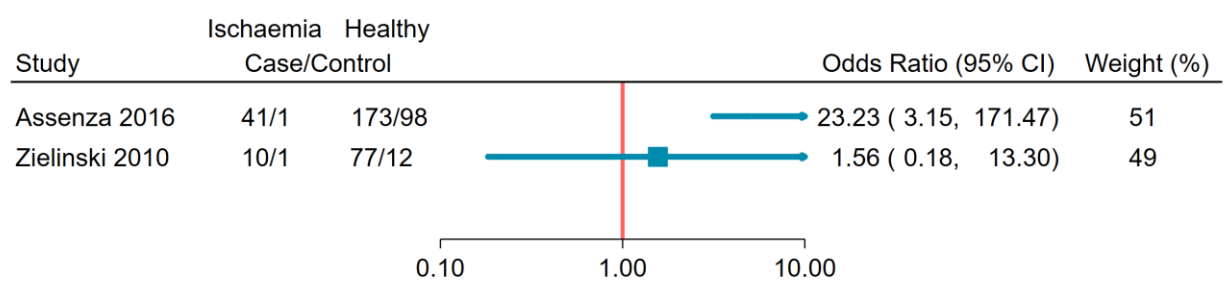
Presence of transition point:



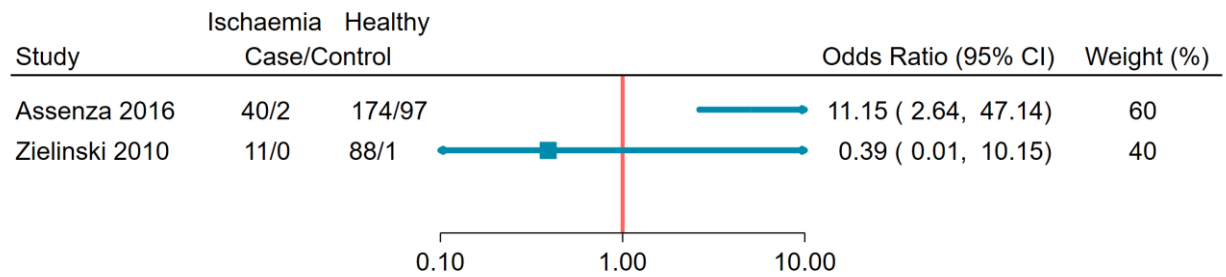
Abdominal distension:



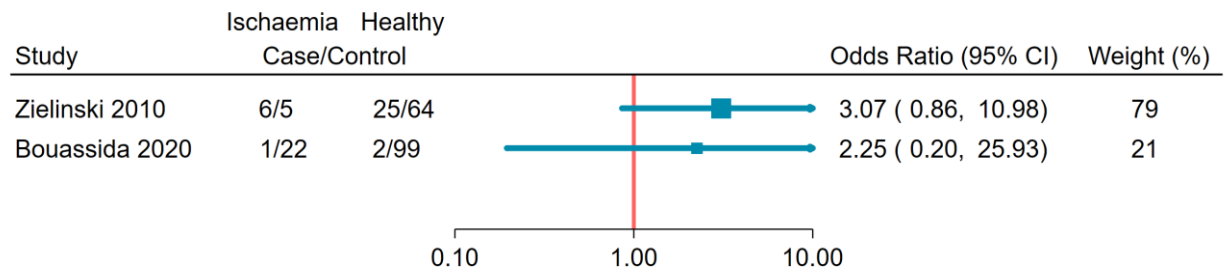
Dilated small bowel:



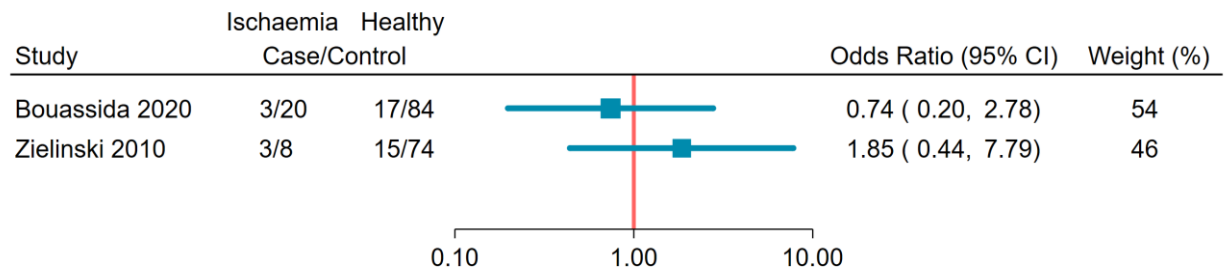
Gas-fluid levels:



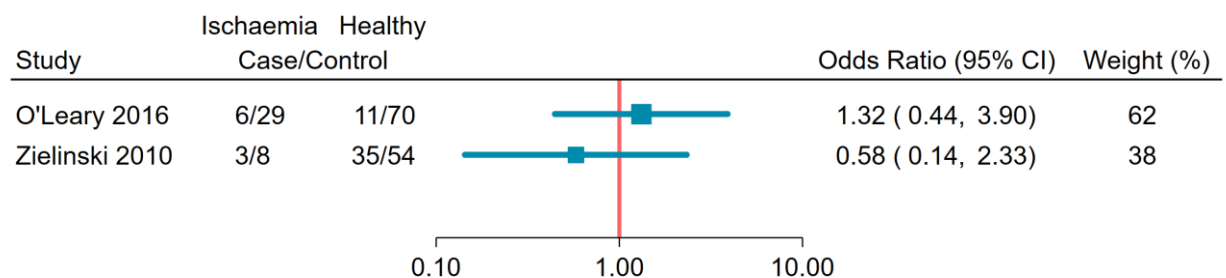
History of cardiac disease:



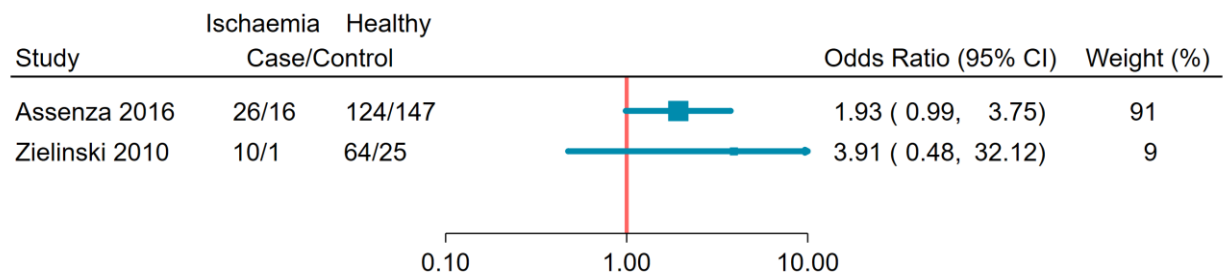
History of diabetes:



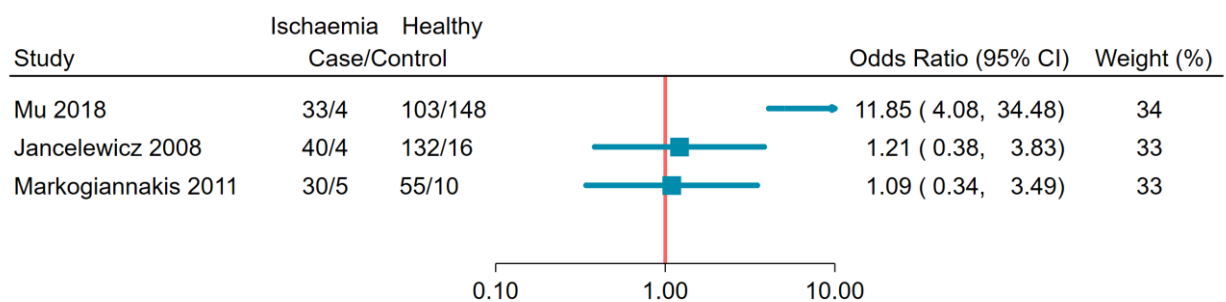
History of small bowel obstruction:



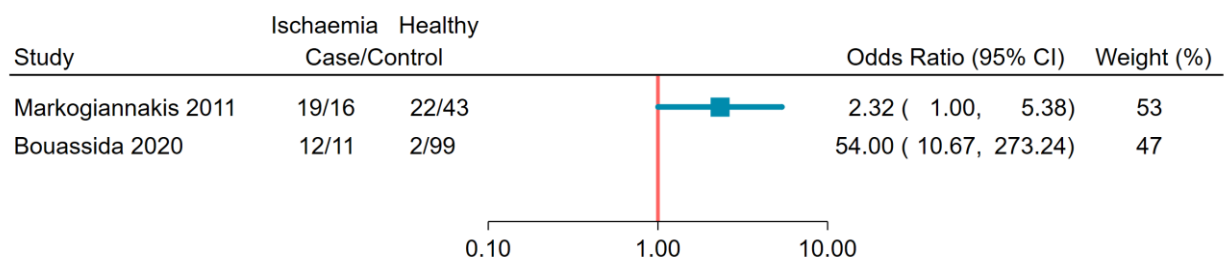
Nausea or vomiting:



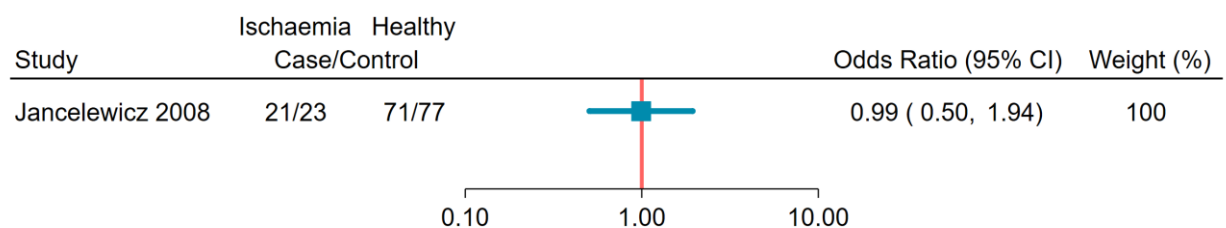
Pain:



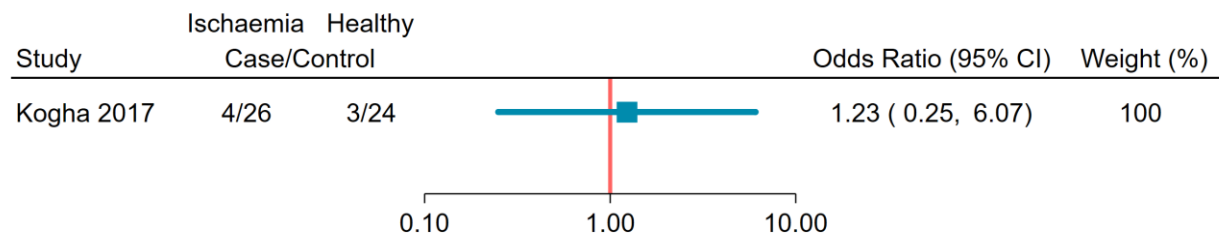
Peritonism:



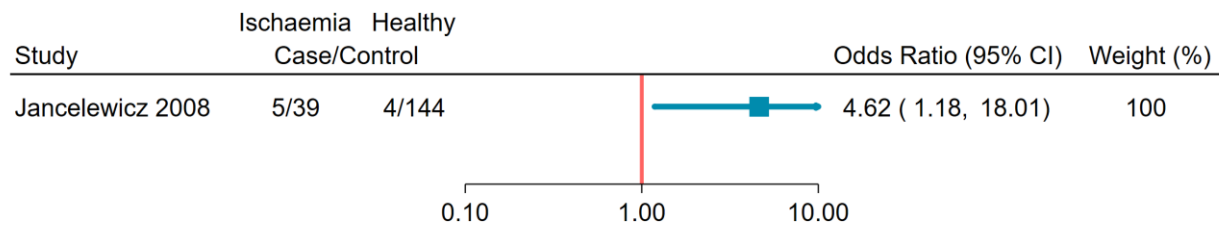
Tachycardia:



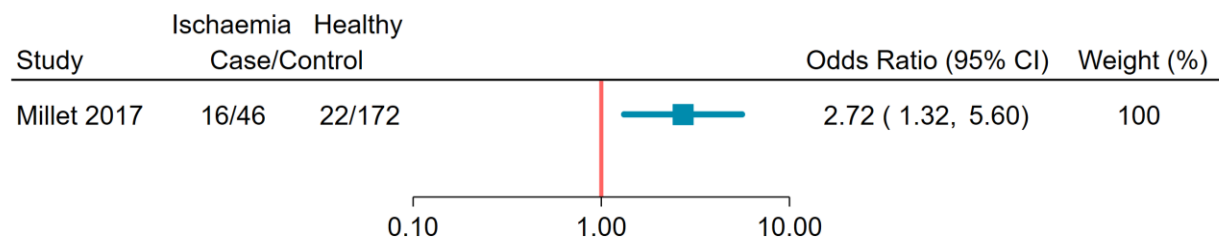
BUN:



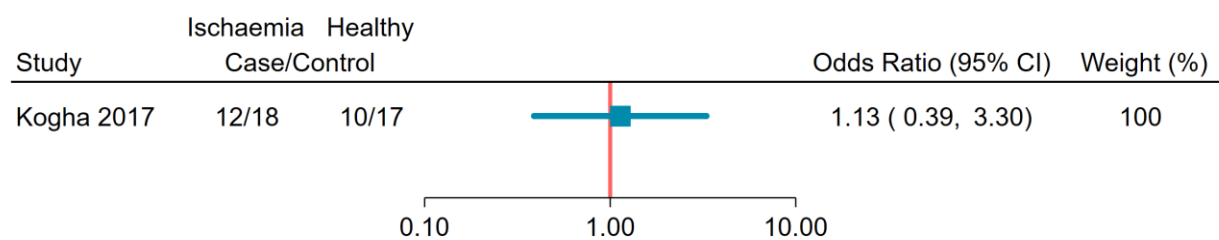
CT signs of bowel necrosis:



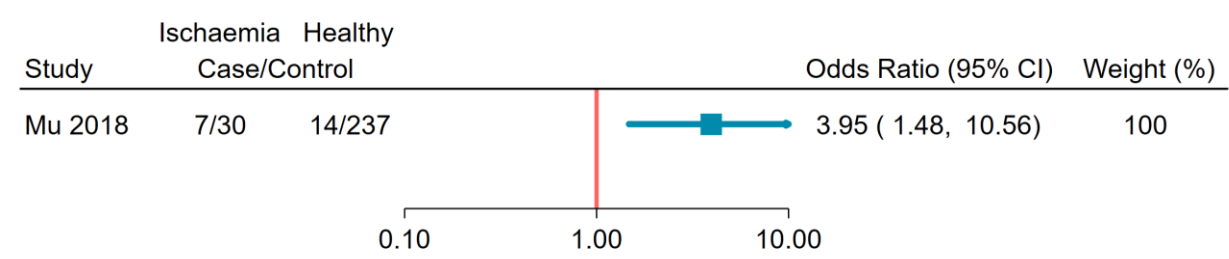
CT whirl sign:



Elevated CRP:



Pyrexia:



Obstipation:

