Supplemental Table 1 Keywords

PUBMED
(PRP OR "platelet-rich" OR "platelet rich") AND (anastom* OR colorectal OR colon* OR intestinal OR intestine OR bowel OR abdom* OR peritoneal OR intraperitoneal)
EMBASE
(PRP OR "platelet-rich" OR "platelet rich") AND (anastom* OR colorectal OR colon* OR intestinal OR intestine OR bowel OR abdom* OR peritoneal OR intraperitoneal)
SCOPUS
(PRP OR "platelet-rich" OR "platelet rich") AND (anastom* OR colorectal OR colon* OR intestinal OR intestine OR bowel OR abdom* OR peritoneal OR intraperitoneal)

Supplemental Table 2 SYRCLE's tool for assessing risk of bias

Author (year)	Allocation sequence generation and application: adequate?	Similar Baseline characteristics between groups?	Allocation concealment: Adequate?	Random housing?	Blinded caregivers/investigators?	Random outcome assessment?	Blinded outcome assessors?	Incomplete outcome data: Adequately addressed?	Was the study free of selective outcome reporting?	Was the study free of other sources of bias?
Aydin (2020)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	Yes	Yes
Buk (2020)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Daglioglu (2018)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	No[a]	Yes	Yes
Daradka (2019)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Dauser (2020)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	No[b]
Dzhumabekov (2019)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Fresno (2010)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Giusto (2017)	Yes	Yes	Yes	Unclear	Yes	Unclear	Yes	Yes	Yes	Yes
Göksu (2020)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Gorur (2020)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Ocak (2019)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Özçay (2018)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes
Pehlivanli (2016)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	Yes	Yes
Sozutek (2016)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	No[c]	Yes	Yes
Yalı (2020)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	No[d]	Yes
Yamaguchi (2012)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	Yes	Unclear
Yol (2008)	Unclear	Unclear	Unclear	Unclear	Unclear	Unclear	Yes	Unclear	Yes	Unclear
Zhou (2014)	Unclear	Yes	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes

a: the authors excluded from the study unequal number of animals that died from different groups

b: Co-author(s) employed by a pharmaceutical company

c: The authors did not address the death of two animals in one of the groups

d: Tissue Hydroxyproline Level results are not reported although they are included as expected outcomes in the materials and method section.