

### **Biostatistics statement**

The statistical methods of this study were reviewed by Cuneyt Kayaalp. Statistical methods in this study are adequate and appropriate which could verify the results. Dr Cuneyt Kayaalp was certificated for Systematic Reviews and Meta-Analysis by MedCalc. He had experienced several systematic reviews as below.

1: Kayaalp C, Yagci MA. Laparoscopic Right Colon Resection With Transvaginal Extraction: A Systematic Review of 90 Cases. Surg Laparosc Endosc Percutan Tech. 2015 Oct;25(5):384-91. doi: 10.1097/SLE.0000000000000124. PubMed PMID: 25730741.

2: Yagci MA, Kayaalp C. Transvaginal appendectomy: a systematic review. Minim Invasive Surg. 2014;2014:384706. doi: 10.1155/2014/384706. Epub 2014 Dec 29. Review. Erratum in: Minim Invasive Surg. 2015;2015:527140. PubMed PMID: 25614832; PubMed Central PMCID: PMC4295586.

3: Kayaalp C, Ersan V, Yılmaz S. Acute liver failure in Turkey: a systematic review. Turk J Gastroenterol. 2014 Feb;25(1):35-40. doi: 10.5152/tjg.2014.4231. Review. PubMed PMID: 24918128.

4: Otan E, Akbulut S, Kayaalp C. Amebic acute appendicitis: systematic review of 174 cases. World J Surg. 2013 Sep;37(9):2061-73. doi: 10.1007/s00268-013-2079-5. Review. PubMed PMID: 23665815.

5: Aydin C, Piskin T, Sumer F, Barut B, Kayaalp C. Laparoscopic drainage of pyogenic liver abscess. JSLS. 2010 Jul-Sep;14(3):418-20. doi: 10.4293/108680810X12924466006567. PubMed PMID: 21333200; PubMed Central PMCID: PMC3041043.

6: Kayaalp C, Dirican A, Aydin C. Primary subcutaneous hydatid cysts: a review of 22 cases. Int J Surg. 2011;9(2):117-21. doi: 10.1016/j.ijssu.2010.10.009. Epub 2010 Oct 25. Review. PubMed PMID: 21029797.

7: Kayaalp C, Aydin C. Review of phenol treatment in sacrococcygeal pilonidal disease. Tech Coloproctol. 2009 Sep;13(3):189-93. doi: 10.1007/s10151-009-0519-x. Epub 2009 Aug 5. Review. PubMed PMID: 19655223.

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