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FLAVONOIDS AND POST HAEMORRHOIDECTOMY RECOVERY: A SYSTEMATIC REVIEW AND META-ANALYSIS

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Flavonoids may reduce posthaemorrhoidectomy pain



INTRODUCTION

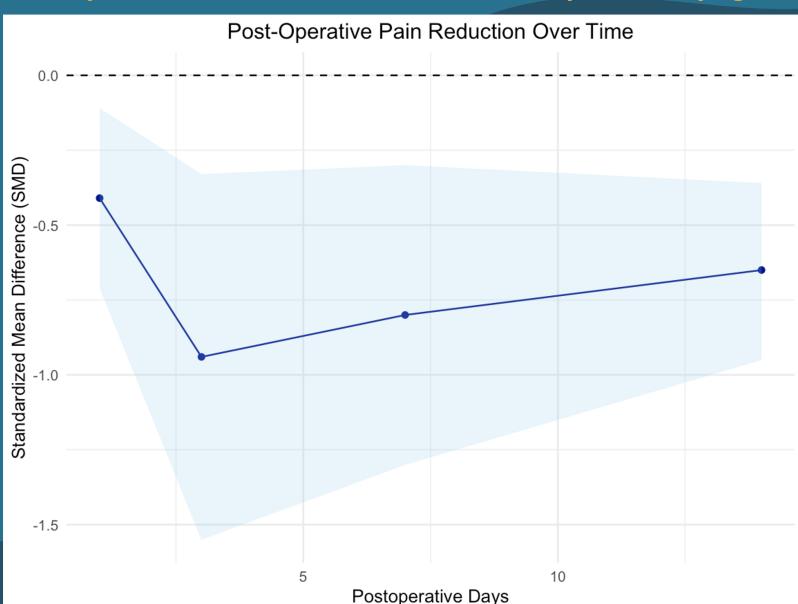
- Haemorrhoidectomy is the gold standard for definitive treatment of high-grade symptomatic haemorrhoids **BUT** is often associated with substantial pain.
- This systematic review explores the potential of flavonoids in alleviating the postoperative symptom burden following excisional haemorrhoidectomy



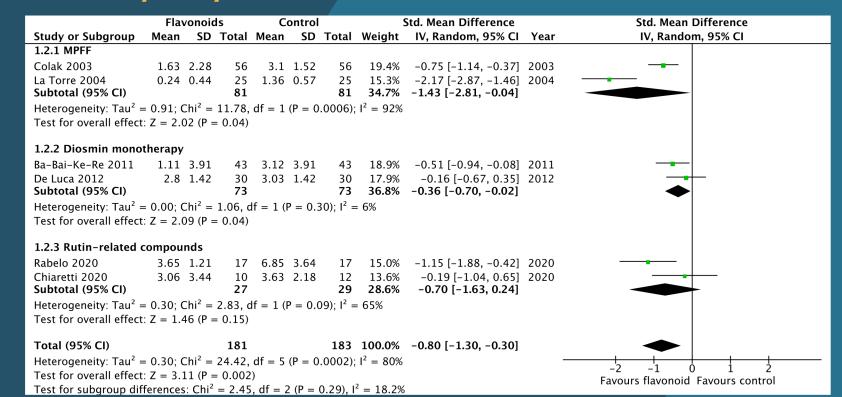
MATERIALS and **METHODS**

- A systematic review of the literature was conducted according to Preferred Reporting Items for Systematic Reviews and Meta-Analyses guidelines (PROSPERO CRD42023472711).
- Randomized controlled trials (RCTs) published in PubMed, MEDLINE, Embase, and Scopus from inception to 1st December 2023 were retrieved. The primary outcome investigated was postoperative pain. Meta-analysis was performed using Review Manager version 5.4.1.

Linear plot of standardized mean difference in pain at varying POD



Sensitivity analysis for common flavonoids included in this review





RESULTS

- Ten articles with 775 patients were included
- Flavonoids significantly reduced pain (Standardized Mean Difference **-0.66** [95% confidence intervals (CI) -0.82, -0.52]; **P < 0.00001**), and bleeding (Odds Ratio 0.13 [95% CI 0.09, 0.19]; **P <**) 0.00001



DISCUSSION/ CONCLUSION

- Flavonoids, MPFF specifically, show promise as a means of reducing pain associated with excisional haemorrhoidectomy
- Further research is required to investigate topical routes







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