

EFFICACY OF IMMUNONUTRITION IN GASTROINTESTINAL CANCER PATIENTS

A Systematic Review and Meta-Analysis



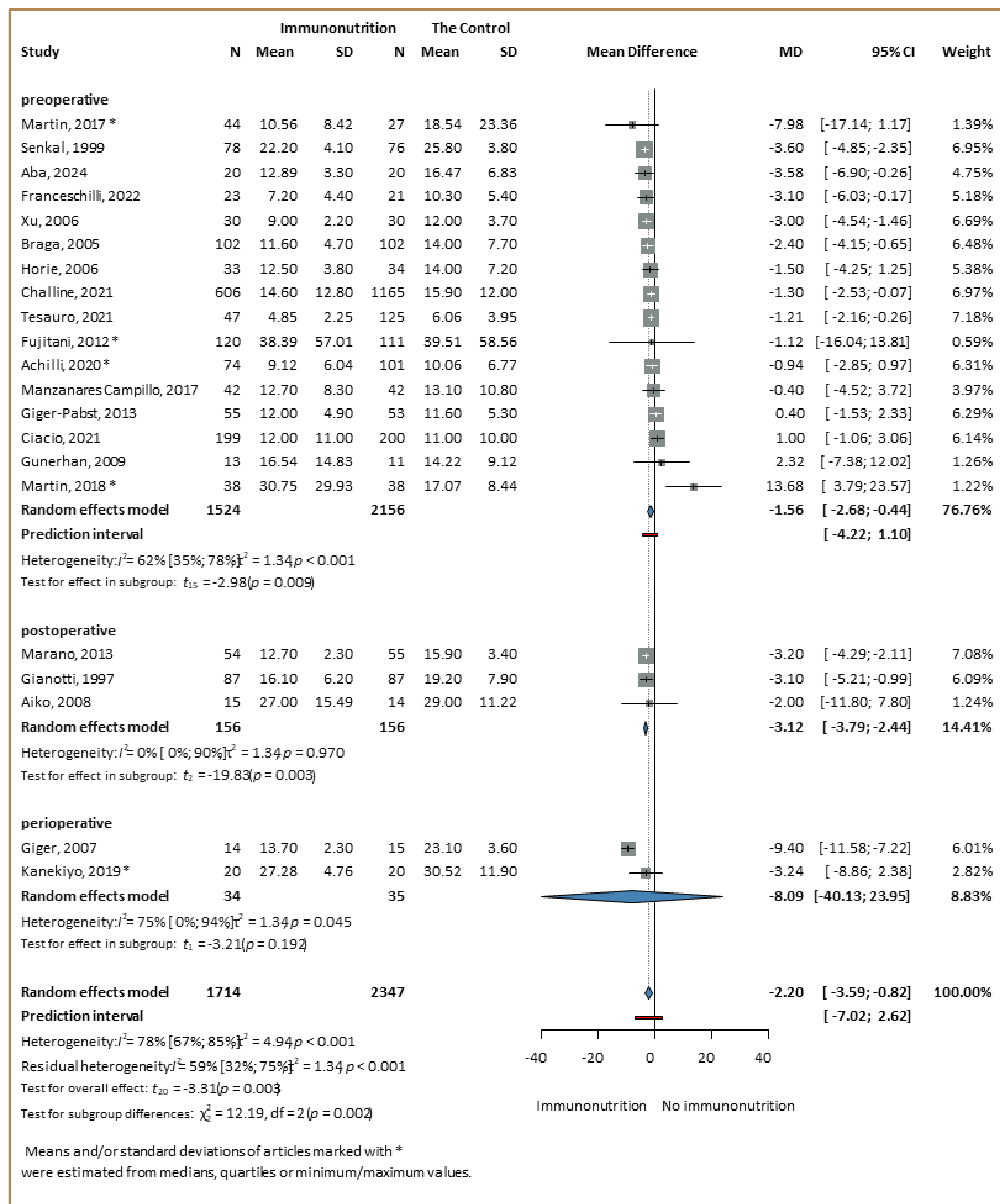
INTRODUCTION

The use of immunonutrition is becoming more prevalent in clinical practice, particularly in oncology care. The aim is to reduce surgical complications and enhance the quality of life for patients. We conducted a systematic review and meta-analysis to examine the impact of immunonutrition on postoperative outcomes in patients with gastrointestinal cancer.

METHODS

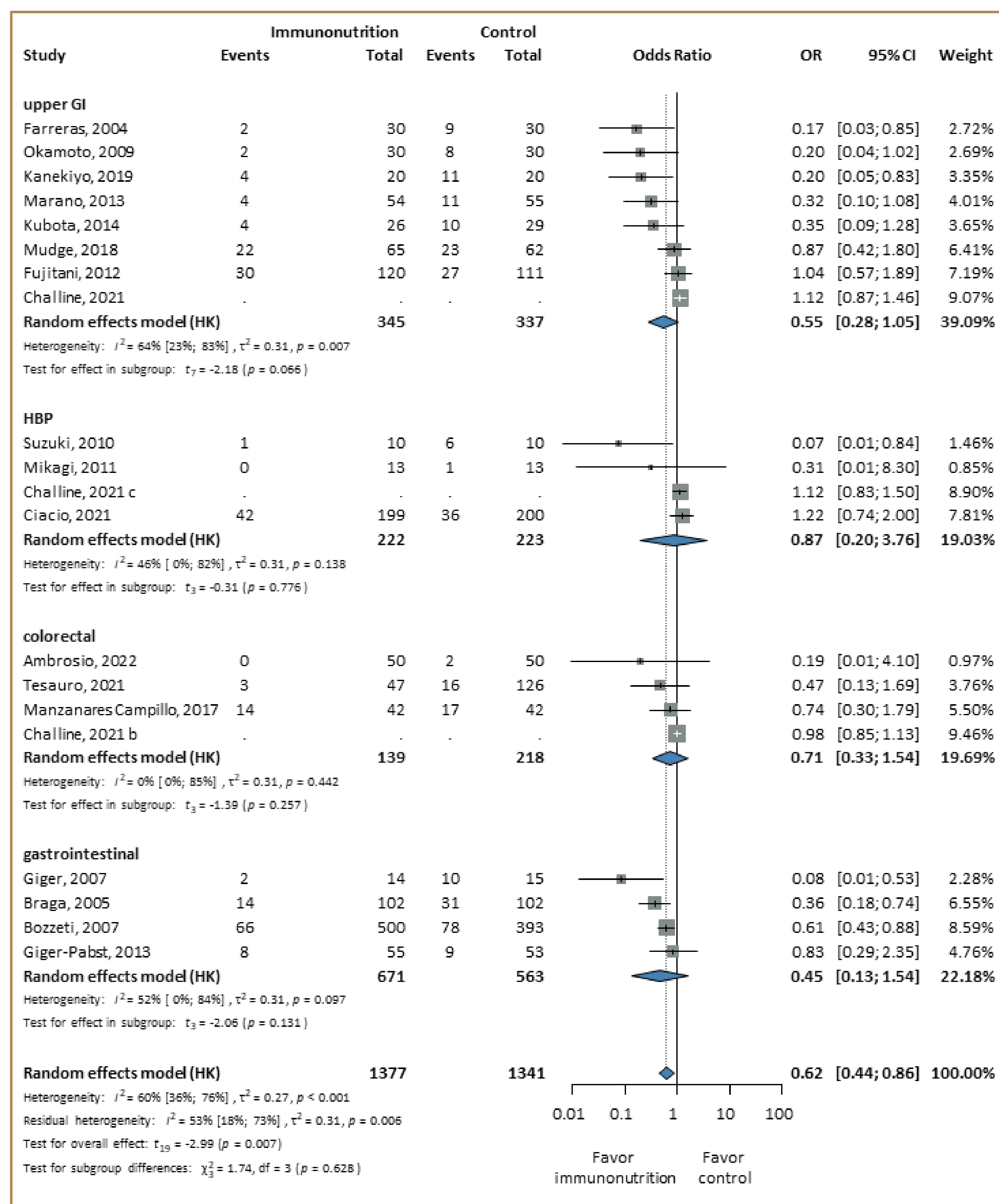
We systematically searched PubMed, Embase, and Cochrane Library (22.03.2024). We included studies with the following PICO framework: Population: gastrointestinal cancer patients, Intervention: immunonutrition, Control: no immunonutrition, Outcome: adverse events, length of hospital stay. The random-effects model yielded the pooled odds ratios (OR), mean difference (MD), and 95% confidence intervals (CIs).

Effect of perioperative immunonutrition on length of hospital stay



RESULTS

Effect of perioperative immunonutrition on infectious complications



CONCLUSIONS

The use of immunonutrition demonstrates promising results, reducing the likelihood of infectious complications and decreasing the length of hospital stays for patients undergoing treatment for gastrointestinal cancer and surgery.

