

THE EFFECT OF PROBIOTIC SUPPLEMENTATION AFTER SLEEVE GASTRECTOMY ON SELECTED BIOCHEMICAL PARAMETERS AND ANTHROPOMETRIC MEASUREMENTS

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0009-0005-3723-4104

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MASTER'S DEGREE PROGRAM

GRADUATION DATE: 07.07.2026

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KEYWORDS

- ✓ Laparoscopic Sleeve Gastrectomy
- ✓ Probiotic Supplementation
- ✓ Sleeve Gastrectomy
- ✓ Bariatric Surgery
- ✓ Obesity Surgery

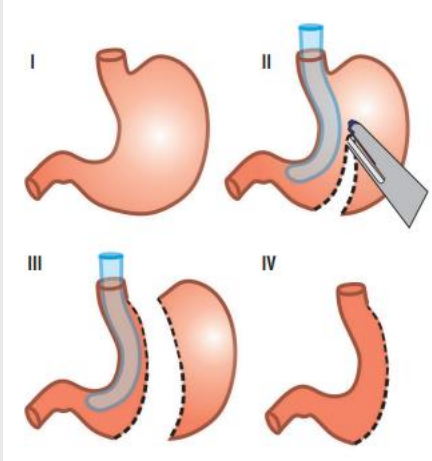
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THESIS ABSTRACT

This study included 36 individuals who underwent laparoscopic sleeve gastrectomy (LSG) and were randomly assigned to either a control group or a probiotic supplementation group. The aim was to evaluate the effects of probiotic supplementation on anthropometric measurements, biochemical parameters, and quality of life by comparing changes between the two groups. No statistically significant differences were observed between the groups regarding anthropometric or biochemical parameters ($p > 0.05$). However, the frequency of constipation during the third postoperative month was significantly lower in the probiotic group than in the control group ($p = 0.034$). These findings suggest that probiotic supplementation following LSG does not provide superiority in anthropometric measurements or biochemical parameters during the early postoperative period but may have beneficial effects on bowel function.

POTENTIAL APPLICATIONS OF THE THESIS FINDINGS

The findings of this study may contribute to defining the role of probiotic supplementation in clinical practice following sleeve gastrectomy, optimizing postoperative care protocols, and supporting evidence-based nutritional management for patients undergoing bariatric surgery.

ACADEMIC ACTIVITIES

1. Keskin O., Gider A., **Güngör Ç.** (2020). An Example of Determining the Obesity Status of Young Adults Aged 19–24 at Kırklareli University. 56th National Diabetes Congress, PS-44.
2. **Güngör Ç.**, Arslan U., Temelli S. (2024). The Effect of Sleeve Gastrectomy on Body Weight and Selected Minerals in the Early Postoperative Period. 9th Obesity and Metabolic Diseases Congress, SS-036.