

## **The Effectiveness of Billroth-II with Braun Anastomosis in Laparoscopic Distal Gastrectomy for Gastric Cancer**

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### **ABSTRACT**

**Background:** Gastric cancer is a common disease in the world, among the leading digestive cancers. Until now, surgery, especially laparoscopic surgery, is the primary radical treatment. In there, reestablishment of the gastrointestinal continuity remains controversial. This study aims to evaluate the term postoperative complication and short-term outcomes after distal gastrectomy with Billroth II (Poly A) - Braun anastomosis for gastric cancer.

**Methods:** A prospective study on 42 patients who underwent laparoscopic distal gastrectomy with Billroth II - Braun anastomosis from October 2019 to June 2020. Postoperative complication and short-term outcomes were evaluated.

**Results:** The post-gastrectomy syndrome with persistent diarrhea accounted for 9.52%; alkaline gastritis accounted for 4.76%. Patients with Grade 2 according to Clavien - Dindo classification accounted for 14.28%. Most patients were with good surgical results of VISICK I (71.44%). 14.28% was with quite good results (VISICK II) and moderate results accounted for 14.28% (VISICK III). There was no case of persistent medical treatment or reoperation.

**Conclusion:** Billroth II - Braun anastomosis is a good choice in laparoscopic distal gastrectomy for cancer with low rate of complications and mild postoperative symptoms that could be easily controlled with short-term medical treatment.

**Key words:** Billroth II - Braun, gastric cancer, distal gastrectomy