

A Comparative Study of Stapler Versus Handsewn Gastrointestinal Anastomosis

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Abstract

Background: In gastro intestinal surgery after resection of bowel loops, anastomosis of the bowel loops is the central part. Stapler technique, commonly used by many of the surgeons is more useful than the hand sewn anastomosis for safety, easy accessibility, duration of procedure, efficiency. This study compares the hand sewn anastomosis with stapler Anastomosis. The purpose of the presentation is to compare the feasibility and outcome of stapler and hand sewn anastomosis in gastro intestinal surgeries.

Material & Method: This study was conducted in the department of surgery of our hospital between the groups of hand sewn and stapler anastomosis gastro intestinal surgeries conducted by open technique in period from January 2021 to September 2021. **Results:** Various parameters like operative time, hospital stay, and post op day of starting oral diet, post op day of appearance of bowel sound, anastomotic leak, time taken to return to work and mortality were compared. **Conclusion:** Results of this study were comparable to many studies done previously which showed there was not much significant difference in post op outcomes after hand sewn or stapled technique of gastrointestinal anastomosis.

Key-words: Anastomosis, stapler, handsewn