

## THE NEW MAIN SCIENTIFIC CONTRIBUTION OF THE THESIS

Name of thesis: *“Research on the application of laparoscopic total gastrectomy with D2 lymph node dissection in the treatment of gastric adenocarcinoma”*

Speciality: Gastrointestinal Surgery

Code: 9720104

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### Summary of new main scientific contribution of the thesis

Total gastrectomy with D2 lymphadenectomy in the treatment of gastric adenocarcinoma is major surgery and is difficult to conduct, thus, there is a need for profound study of this topic with the aim of improving and applying advanced techniques in total gastrectomy and improve the treatment outcomes as well as the quality of life of gastric patients who require total gastrectomy.

In Vietnam, there are no in-depth and independent research reports on the application of laparoscopic total gastrectomy and D2 lymphadenectomy for gastric carcinoma. Therefore, we conducted this study is expected to enhance the quality of treatment in patients, harmonize the surgical technique of the hospital with characteristics of gastric adenocarcinoma requiring total gastrectomy, hospital infrastructure, as well as reduce operative time, time of recovery postoperatively, and treatment cost. The cost relates to the additional surgeons standing on the left, liver hanging step in the abdomen for a larger surgical space, creation of end-to-end esophagojejunal anastomosis using a linear stapler without previous resection of esophagus and jejunum, cutting and closing the duodenal cap after lymphadenectomy, and making anastomosis, etc. The findings in this dissertation confirmed that LTG with D2 lymphadenectomy is safe, effective and contribute new techniques in the treatment of gastric adenocarcinoma.

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