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Retrospective Study

Efficacy of the fat-dissociation method for gastric cancer nodal harvesting

Kinami S *et al.* Fat-dissociation method for gastric cancer nodal harvesting

Shinichi Kinami, Toshio Ohnishi, Naohiko Nakamura, Jiang Zhiyong, Takashi Miyata, Hideto Fujita, Hiroyuki Takamura, Nobuhiko Ueda, Takeo Kosaka

Abstract

BACKGROUND

There is an increased need for accurate staging for gastric cancer treatment. Consequently, it is necessary to carefully examine all dissected lymph nodes for precise staging. Recently, the fat-dissociation method has been developed as a quick and accurate method for harvesting dissected lymph nodes of colorectal cancer cases.

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In the subgroup analyses, the quality and **efficacy** were both superior for the **methylene blue dye method** compared with the conventional **method**. The **methylene blue technique** is recommended for **harvesting LNs** during **gastric cancer surgery** on the basis of both the quality and efficacy.

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MICROSCOPIC FAT PROCESSING WITH **HARVESTING** OF LYMPH **NODES** IN **GASTRIC CANCER** IMPROVES **NODAL** YIELD AND UPSTAGES N STATUSObjectives:The current UICC staging system for **gastric cancer** relies on number of positive **nodes** to give N stage, up to a maximum of 16 involved **nodes**. As most **nodal harvesting** is based on macroscopically detected **nodes** there is [...]

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Methods. Patients with **gastric cancer** will undergo distal or total gastrectomy with radical lymphadenectomy. The extent of dissection will principally follow the third edition of the **Gastric Cancer Treatment Guideline** published by the Japanese **Gastric Cancer Association** . Spleen-preserving D2 total gastrectomy is permitted in this study.

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In **gastric cancer**, a few Japanese surgeons reported **efficacy** of this **method** in single arm studies [5, 6]. It remains unclear whether the methylene blue-assisted technique is superior to standard **method** using the fresh samples.