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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

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## 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.