

Extended application of sentinel node navigation surgery to gastric cancer

メタデータ	言語: jpn 出版者: 公開日: 2021-11-05 キーワード (Ja): キーワード (En): 作成者: MMiwa, Koichi メールアドレス: 所属:
URL	https://doi.org/10.24517/00063439

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 International License.



2004 Fiscal Year Final Research Report Summary

Extended application of sentinel node navigation surgery to gastric cancer

Research Project

Project/Area Number

15390390

Research Category

Grant-in-Aid for Scientific Research (B)

Allocation Type

Single-year Grants

Section

一般

Research Field

Digestive surgery

Research Institution

Kanazawa University

Principal Investigator

MIWA Koichi Kanazawa University, Graduate School of Medical Science, Professor, 医学系研究科, 教授 (80019968)

Co-Investigator(Kenkyū-buntansha)

FUJIMURA Takashi Kanazawa University Hospital, Assistant Professor, 医学部附属病院, 助手 (50262580)

NISHIMURA Genichi Kanazawa University Hospital, Assistant Professor, 医学部附属病院, 助手 (90208215)

Project Period (FY)

2003 – 2004

Keywords

Sentinel node / Early gastric cancer / Rectal cancer / Navigation surgery / Function-preserving radical surgery

Research Abstract

We developed the intraoperative endoscopic lymphatic mapping (IELM) for identifying sentinel lymph nodes of patients with early-stage gastric cancer (EGC). A total of 126 patients with EGC underwent the IELM. The patent blue (a lymphophilic dye) was intraoperatively injected into the surrounding mucosa of tumor by using electronic endoscopy. Some lymph nodes were stained blue several minutes after this procedure. We named a stained lymph node a blue node (BN) and an area including stained nodes and lymphatics a lymphatic basin. After IELM we performed lymphatic basin dissection with intraoperative pathology, and finally standard gastrectomy with D2. IELM succeeded in 119 patients (94%) with a good performance of 87% (34/39) in sensitivity, 100% (80/80) in specificity, and 96% (114/119) in accuracy. Five false negatives consisted of four gross metastases and one overlooked metastasis at intraoperative diagnosis. Lymphatic metastases in 33 of 34 (97%) patients were detected in BNs alone, … More

Research Products (9 results)

All	2004	2003
All	Journal Article	Book

- [Journal Article] 早期胃癌に対する縮小手術 2004 ▼
- [Journal Article] Mapping sentinel nodes in patients with early-stage gastric carcinoma 2003 ▼
- [Journal Article] 5.各臓器癌におけるSNNSの現状とその成績 e.胃癌 -リンパ流域郭清を伴う縮小切除術- 2003 ▼
- [Journal Article] Sentinel lymph node navigation surgery for pancreatic head cancers 2003 ▼
- [Journal Article] 膵癌におけるセンチネルリンパ節navigation surgery 2003 ▼
- [Journal Article] 胃癌リンパ区域郭清術 2003 ▼
- [Journal Article] Mapping sentinel nodes in patients with early-stage gastric Carcinoma 2003 ▼
- [Journal Article] Sentinel lymph node navigation surgery for pancreatic head cancers 2003 ▼
- [Book] 胃癌診療の基本 2003 ▼

URL: https://kaken.nii.ac.jp/report/KAKENHI-PROJECT-15390390/153903902004kenkyu_seika_hokoku_

Published: 2006-07-10