

Recent Advance in Laparoscopic Gastric Surgery in Japan

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Cases of laparoscopic gastric surgery have been getting increased every year in Japan. In 2003, 1832 cases were operated laparoscopically and that reached 1.2% of all gastric surgery for cancer. Standard D2 lymph node dissection is performed feasibly and safely by means of laparoscopy. On the contrary, more minimally invasive gastric surgery has been developed, such as preservation of vagus nerve or pylorus ring in cases of proximal and distal gastrectomy. In the conference on september 24, I am going to focus two point : one is technical suggestion and pitfall points in D2 lymph node dissection, and the other is preservation of hepatic and celiac branches of vagus nerve which should be preserved in pylorus preserved distal gastrectomy and proximal gastrectomy. In D2 lymph node dissection, No14v node on the anterior face of superior mesenteric vein, No12a and 8a node around hepatic artery, No11p node splenic artery and No7 and 9 node beside left gastric and celiac arteries are involved in the middle and lower third lesions of stomach. The borders of these node are defined in the general rule of gastric cancer in Japan. So, we must perform the lymph node dissection strictly according to the rule. Identification and proper handing of branches of vagus nerve are important to preserve the nerve fibers keeping the function well. Laparoscopic surgery provides an advantage of good visual field and magnification, which are ideal for identification of the nerve fibers. Mainly my presentation will be carried out visually by video to avoid confusion of poor English as well as Korean.

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EDUCATION:

- 1980-1985 M.D., Medicine Kyushu University, Fukuoka, Japan
1989-1992 Ph.D., Medicine Kyushu University, Fukuoka, Japan

POSTDOCTORAL TRAINING AND FELLOWSHIP APPOINTMENTS:

- 1985-1986 Resident in General Surgery, Kyushu University, Fukuoka, Japan
1986-1987 Resident in General Surgery, Fukuoka Red Cross Hospital, Fukuoka, Japan
1989-1991 Research Fellow of Department of Surgery 1, Kyushu University, Fukuoka, Japan
1991-1992 Clinical Fellow of Department of Surgery 1, Kyushu University, Fukuoka, Japan

FACULTY POSITION:

- 1987-1989 Surgeon in General Surgery, Yamaguchi Red Cross Hospital, Yamaguchi, Japan
1993-1994 Surgeon in General Surgery, Chihaya Hospital, Fukuoka, Japan
1994-1996 Chief in General Surgery, Higashi Kunisaki Kouiki Municipal General Hospital, Oita, Japan
1996-1997 Surgeon in General Surgery, Chihaya Hospital, Fukuoka, Japan

ACADEMIC APPOINTMENTS:

- 1997-1999 Assistant Professor of Department of Surgery I, Kyushu University Hospital, Fukuoka, Japan
1999- Lecturer in Faculty of Medicine, Kyushu University, Fukuoka, Japan
1999- Chief of Upper Gastrointestinal Surgery in Department of Surgery I, Kyushu University Faculty of Medicine, Fukuoka, Japan

BOARDS:

- 1985 Medical Licensure of Japan, The Ministry of Health and Welfare, Japan
1989 Certificate of Board of General Surgery, Japan Surgical Society
1991 Certificate of Board of Gastroenterological Surgery, Japanese Society of Gastroenterological Society

PROFESSIONAL MEMBERSHIPS:

- 1985- Japan Surgical Society
1985- Japanese Society of Gastroenterological Surgery
1996- Japanese Society of Breast Cancer
1999- Japanese Society of Hepato-biliary and pancreatic Surgery

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1999- Japanese Society of Gastric Cancer

2001- Japanese Society of Endoscopic Surgery

BIBLIOGRAPHY

PUBLICATIONS

- 36 scientific SCI articles and 2 case reports on endoscopic surgery.