

IMSUT Hospital

Department of Gastroenterology

消化器内科

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The department of Gastroenterology, which focuses on endoscopy and treatment, started in October 2023. We are committed to quality endoscopy, and our mission is to provide careful observation, accurate diagnosis using magnifying endoscopes, and advanced treatments such as endoscopic submucosal dissection (ESD). In addition, collaborating with various departments for comprehensive, minimally burdensome patient care.

1. Introduction

We primarily focus on endoscopic examinations for the early detection and treatment of esophageal, gastric, and colorectal cancers. Our mission is to provide painless endoscopic procedures, thorough and minimally overlook observations, precise diagnoses using magnification endoscopy, and advanced endoscopic treatments, particularly Endoscopic Submucosal Dissection (ESD). In addition, we aim to tailor our approach to each specific lesion, choosing the most suitable treatment options and collaborate with Oncology, Surgery, Radiology, and other departments to provide treatment that that impose minimal burden on the patient's overall well-being. The outpatient clinic treats all gastrointestinal diseases and also offers *Helicobacter pylori* outpatient clinic.

2. Endoscopic examination

Endoscopic examinations are conducted for screening, investigating symptomatic cases, and precisely diagnosing and treating lesions. Additionally, procedures such as gastric fistula construction, ileus tube insertion, and stent placement are also performed.

When a lesion is detected, a magnifying endoscope is used to closely examine the surface microvasculature and pit patterns. Endoscopic treatment op-

tions encompass cold polypectomy, hot snare polypectomy using bipolar snare, EMR (Endoscopic Mucosal Resection), and ESD (Endoscopic Submucosal Dissection), selected based on the size, morphology, and depth diagnosis of the detected lesion.

The number of endoscopies and treatments during the year were as follows; upper endoscopy: 753 cases, colonoscopy: 521 cases, gastric ESD: 6 cases, other gastric treatments: 3 cases, colorectal ESD: 9 cases, and other colorectal treatments: 239 cases. We plan to significantly increase both the number of endoscopic examinations and treatments in the next year and beyond. We also plan to participate in single-center and multi-center clinical studies.

3. Treatment of drug-resistant *Helicobacter pylori* infection

Some patients fail to respond first- and second-line *Helicobacter pylori* (*H. pylori*) eradication therapy, but third-line eradication is not always done. Meanwhile, penicillin allergy patients do not take routine eradication medicines because insurance coverage regimens in Japan include amoxicillin. In *H. pylori* out-patient clinic, we make correct diagnosis of infection by multiple modalities, give eradication therapy for these refractory patients, and achieve high rates of successful eradication.

The number of patients who visited the *Helicobac-*

ter pylori outpatient clinic in the past year was 94 cases, (including 18 cases with allergies, 19 cases with

difficulty in achieving third-stage sterilization, and 15 cases with fourth-stage sterilization and beyond.)

Publications

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