Advanced Clinical Training in Upper Digestive Surgery at TMDU

	Code:4764	Credit: 35 units
Attendance hours		1575
No attendance hours		0
Total hours		1575

1. Instructors

Name	Position	Department	Contact Information
TOKUNAGA Masanori	Associate Professor	Gastrointestinal Surgery	tokunaga.srg1@tmd.ac.jp
KAWADA Kentaro	Junior Associate Professor	Gastrointestinal Surgery	kawada.srg1@tmd.ac.jp
OKADA Takuya	Junior Associate Professor	Gastrointestinal Surgery	t-okada.srg1@tmd.ac.jp
FUJIWARA Hisashi	Assistant Professor	Gastrointestinal Surgery	hfujiwara.srg1@tmd.ac.jp

2. Classroom/Lab Lecture

Class locations vary by course program and classroom activity. Please contact the instructor for details prior to attending class.

3. Course Purpose and Outline

- Learn, study, and develop techniques for the clinical diagnosis and treatment of specialized esophageal disorders that are otherwise difficult to diagnose or treat.

- Conduct epidemiological surveys of the origins of squamous cell carcinomas from a field cancerization perspective.

- Elucidate the pathogenesis of gastric cancers and their modes of progression and devise optimal approaches to treatment.

- Develop an understanding of the pathogenesis of functional disorders induced by surgery for gastric cancer, and on that basis devise surgical techniques aimed at preserving function.

- Devise effective multimodal therapies for recurrent and un-resectable cancers of the stomach and esophagus.

- Acquire the skills essential for recognition as clinical specialists in the field of upper digestive tract surgery with advanced training in the use of surgical methods, endoscopy, and advanced diagnostic instrumentation for upper digestive tract disorders.

4. Course Objectives

Gain expertise in the clinical diagnosis and treatment of upper digestive tract disorders. Additionally, investigate and prepare research papers on the physiological, molecular biological, and pathological analysis of upper digestive tract lesions, diagnostic methods, treatment plans, and surgery scheduling management.

5. Format

Clinical practice: Diagnose disorders of the upper digestive tract in patients and observe surgical operations at Medical Hospital, Tokyo Medical and Dental University. Delve more deeply into problem areas through discussions with supervising instructors and, through dialogue with peers in a small-group setting, gain experience with research paper preparation as well as presentations and discussions in front of a larger audience.

6. Course Description and Timetable

Through the examination of clinical cases, acquire specialized knowledge and advanced skills with the use of diagnostic methods and treatment regimens for disorders of the upper digestive tract. Gain hands-on experience through workshops on the latest technologies and treatment strategies for the solution of problems as well as the combined application of chemotherapy and radiotherapy.
Chief's round and attending round: as necessary
Research paper presentations: as necessary
Surgical observation sessions: as necessary

This course aims to have students study and develop methods for the diagnosis and treatment of specialized disorders of the upper digestive tract that are otherwise difficult to diagnose or treat, apply their findings to society and the field of medical practice, and contribute to improvements in public medical care. To provide active, focused training for future generations of physicians involved in this field of medical care, the course comprises a comprehensive curriculum of education and research activities that cover subject matter in related fields.

Graduate school (special) lectures & seminars: as necessary
Conferences on pre- and post-operative care: 7:30-9:00 a.m. every Monday and Thursday
Paper reading and study sessions: as necessary

Timetable

No.	Date	Class Content
1.	Week 1	Review of thoracoscopic clinical anatomy
2.	Week 2	Review of laparoscopic clinical anatomy
3.	Weeks 3-6	Diagnosis of esophageal cancer with advanced diagnostic tools
4.	Weeks 7-10	Diagnosis of gastric cancer with advanced diagnostic tools
5.	Weeks 11-14	Basic techniques of endoscopic surgery
6.	Weeks 15-18	Applied techniques of endoscopic surgery

7.	Weeks 19-22	Thoracoscopic surgery for the esophagus (benign lesions)
8.	Weeks 23-30	Thoracoscopic surgery for the esophagus (malignancies)
9.	Weeks 31-38	Laparoscopic surgery for gastric cancer
10.	Weeks 39-46	Laparoscopic surgery for gastric cancer (enhanced difficulty)
11.	Weeks 47-54	Three-field dissection of esophageal cancer with thoracic and abdominal surgery
12.	Weeks 55-58	Advanced training in chemotherapy for esophageal cancer
13.	Weeks 59-62	Advanced training in chemotherapy for gastric cancer
14.	Weeks 63-66	Advanced training in postoperative complications of esophageal cancer
15.	Weeks 67-69	Advanced training in postoperative complications of gastric cancer
16.	Week 70	Summary of Clinical Advanced Training I

7. Grading System

Final grades are comprehensively assessed on the basis of participation and performance in lectures, conferences, workshops, and study sessions as well as research content (research reports, conference presentations, etc.).

8. Prerequisite Reading

It is recommended that students enroll in this course after acquiring a certain measure of understanding and skill in basic diagnostic techniques and the diagnosis and treatment of upper digestive tract disorders.

9. Reference Materials

None

10. Important Course Requirements

None

11. Availability in English

12. Office Hours

Contact instructor for details.
TOKUNAGA Masanori E-mail：tokunaga.srg1@tmd.ac.jp

13. Note(s) to Students

Be prepared to actively engage in class discussions as well as ask and answer relevant questions.