

Advanced Coloproctological Clinical Training at TMDU

Code:4774

Credits: 35 units

Attendance hours	1575
No attendance hours	0
Total hours	1575

1. Instructors

Name	Position	Department	Contact Information
KINUGASA Yusuke	Professor	Gastrointestinal Surgery	kinugasa.srg1@tmd.ac.jp
YAMAUCHI Shinichi	Assistant Professor	Gastrointestinal Surgery	s-yamauchi.srg2@tmd.ac.jp
TAKAOKA Ayumi	Assistant Professor	Gastrointestinal Surgery	takaoka.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

- Elucidate the pathogenesis of colorectal cancer and its modes of progression and devise optimal approaches to treatment.
- Develop an understanding of the pathogenesis of functional disorders induced by surgery for colorectal cancer, and on that basis devise surgical techniques aimed at preserving function.
- Devise effective multimodal therapies for recurrent and un-resectable colorectal cancer.
- Acquire the skills essential for recognition as clinical specialists in the field of colon, rectal and anal surgery with advanced training in the use of surgical methods, endoscopy, and advanced diagnostic instrumentation for diseases of the colon, rectum and anus.

4. Course Objectives

Gain expertise in the clinical diagnosis and treatment of diseases of the colon, rectum and anus. Additionally, investigate and prepare research papers on the physiological, molecular biological, and pathological analysis of lesions of the colon, rectum and anus, diagnostic methods, treatment plans, and surgery scheduling management.

5. Format

Clinical practice: Diagnose diseases of the colon, rectum and anus 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 diseases of the colon, rectum and anus. 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 diseases of the colon, rectum and anus, 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.	Weeks 1-4	Surgical treatment of colon cancer (1)
2.	Weeks 5-8	Surgical treatment of colon cancer (2)
3.	Weeks 9-12	Surgical treatment of colon cancer (3)
4.	Weeks 13-16	Surgical treatment of colon cancer (4)
5.	Weeks 17-20	Surgical treatment of colon cancer (5)
6.	Weeks 21-24	Surgical treatment of rectal cancer (1)
7.	Weeks 25-28	Surgical treatment of rectal cancer (2)
8.	Weeks 29-32	Surgical treatment of rectal cancer (3)
9.	Weeks 33-36	Surgical treatment of rectal cancer (4)
10.	Weeks 37-40	Surgical treatment of rectal cancer (5)
11.	Weeks 41-44	Inflammatory bowel disease (1)
12.	Weeks 45-48	Inflammatory bowel disease (2)
13.	Weeks 49-52	Inflammatory bowel disease (3)
14.	Weeks 53-56	Anal disorders (1)

15.	Weeks 57-60	Anal disorders (2)
16.	Weeks 61-64	Introduction to minimally invasive surgery (1)
17.	Weeks 65-68	Introduction to minimally invasive surgery (2)
18.	Weeks 69-72	Introduction to minimally invasive surgery (3)
19.	Weeks 73-76	Introduction to minimally invasive surgery (4)
20.	Weeks 77-80	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 diseases of the colon, rectum and anus.

9. Reference Materials

None

10. Important Course Requirements

None

11. Availability in English

12. Office Hours

Contact instructor for details.

KINUGASA Yusuke kinugasa.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.