

# Specialized Surgeries

(Code : 4840, 1<sup>st</sup> – 2nd year: 4 units)

(Course ID: GS-c4801-S)

## 1. Instructors

Name	Position	Department	Contact Information
ARUGA Tomoyuki	Chief Instructor / Professor	Department of Specialized Surgeries	aruga.srg2@tmd.ac.jp
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## 2. Classroom/Lab Lecture Location

Please check the locations announced at the beginning of the academic year.

## 3. Course Purpose and Outline

- 1) To clarify the etiology and progression of gastrointestinal and breast cancers, and establish adequate treatment strategies.
- 2) To understand multidisciplinary treatment for unresectable colorectal cancer and recurrence of cancer.
- 3) To understand the diagnosis and adequate treatment for peripheral vascular disease in cooperation with abdominal surgery.
- 4) To understand the diagnosis and adequate treatment for pediatric surgery, as well as the differences with adult surgery.

## 4. Course Objectives

- 1) To create treatment strategies for various organ-specific cancers.
- 2) To treat various organ-specific cancers, while taking radical cures and functional disorders into account.
- 3) To develop and carry out multidisciplinary therapies for relapsed/unresectable cancers.
- 4) To develop and carry out multidisciplinary therapies for peripheral vascular disease.
- 5) To develop and carry out multidisciplinary therapies for pediatric surgical diseases.

## 5. Format

To improve student's presentation and communication abilities, ample opportunities for presentation and discussion will be provided.

## 6. Class Detail

In order to establish a strategy for treating malignant diseases, it is important to elucidate the mechanism of development and progression of gastrointestinal cancers. Surgical treatment for gastrointestinal cancers may sometime cause physiological dysfunctions and/or hinder digestion. In order to understand the pathogenic mechanism, students will receive lectures on anatomy and physiology. In addition, students will learn about effective treatments for intractable relapsed/unresectable cancers from a multidisciplinary standpoint.

Check the schedule announced at the beginning of the academic year for case conferences, conferences, research progress meetings, journal clubs, lectures and special lectures.

**7. Assessment**

An overall assessment comprising class participation (knowledge and understanding of the specialty field, content of presentations and Q&A) (50%) and involvement in research (50%) will be made.

**8. Prerequisite Reading**

None.

**9. Reference Materials**

None.

**10. Language Used**

All classes are conducted in English.

**11. Office Hours**

Mon. – Fri. 9:00 AM – 17:00 PM

Contact: ARUGA Tomoyuki, Department of Specialized Surgeries

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Please contact the instructor regarding questions or consultations.

**12. Note(s) to Students**

Active participation is expected from those who are interested in digestive tract surgery.