

# 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
OKAMOTO Kentaro	Associate Professor	Department of Specialized Surgeries	okasrg2@tmd.ac.jp

## 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**

Students are encouraged to select either **Breast Surgery** or **Pediatric Surgery** as their primary area of focus and to review relevant introductory literature prior to enrollment. Familiarity with current clinical guidelines in the chosen specialty (e.g., Japanese Breast Cancer Society Guidelines, or guidelines of the Japanese Society of Pediatric Surgeons) will facilitate active participation in seminars and case conferences.

## 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

E-mail: aruga.srg2@tmd.ac.jp

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.