

# Minimally Invasive Treatment for Cancer. II

(Code: 4822, 1<sup>st</sup> – 2<sup>nd</sup> year, 1 unit)

(Course ID: GS-c4822-L)

## 1. Instructors

Name	Position	Department	Contact Information
MIURA Masahiko	Chief Instructor / Professor	Department of Oral Radiation Oncology	masa.mdth@tmd.ac.jp
TAKEDA Atsuya	Head of Radiation Oncology Center	Ofuna Chuo Hospital, Radiation Oncology Center	takeda@1994.jukuin.keio.ac.jp
AKIMOTO Tetsuo	Director	Vice president, Department of Radiology, National Cancer Center Hospital East	takimoto@east.ncc.go.jp
UETAKE Hiroyuki	Professor	Department of Specialized Surgeries	h-uetake.srg2@tmd.ac.jp
TODA Kazuma	Junior Associate Professor	Department of Radiation Therapeutics and Oncology	tdmrad@tmd.ac.jp

## 2. Classroom/Lab Lecture Location

Daigakuin kougishitsu 3, M&D Tower 11F

## 3. Course Purpose and Outline

[Course Purpose]

- Understand minimally invasive treatments for various cancers.
- Understand the types, indications and efficacy of radiation therapy.

[Outline]

- Understand multidisciplinary treatments for cancer that combine surgery, radiation therapy and chemotherapy.

## 4. Course Objectives

- To understand and be able to explain minimally invasive treatments, which center around radiation therapy and pharmacotherapy.
- To understand and be able to explain the differences between conventional treatments and minimally invasive treatments for cancer.
- To understand and be able to explain the role of minimally invasive treatments in comprehensive cancer diagnosis and treatment.
- To understand and be able to explain the role of minimally invasive treatments in patients' quality of life.

## 5. Format

A bidirectional class will be conducted including presentations, lectures and video content for the purpose of active participation by students taking this course. All programs are conducted in an omnibus format.

## 6. Course Details

No.	Topics
1	Stereotactic radiotherapy (1)
2	Stereotactic radiotherapy (2)
3	Radiotherapy in university hospital (1)
4	Radiotherapy in university hospital (2)
5	Combination of anticancer drugs and surgery in colorectal cancer (1)
6	Combination of anticancer drugs and surgery in colorectal cancer (2)
7	Proton therapy (1)
8	Proton therapy (2)
9	Radiotherapy for uterine cancer and prostate cancer (1)
10	Radiotherapy for uterine cancer and prostate cancer (2)

## 7. Assessment

An overall assessment of graduate school students who have participated in at least 2/3 of face-to-face lectures (including a part of those streamed live) will be made. It will comprise of the participant's attitude (participation in discussions, presentations, etc.) (30%), short tests (30%) and reporting assignments (40%). If the course is taken through E-learning, there will be a confirmation exam after the coursework is completed (also through E-learning) to assess the participant's understanding of the content. Those who pass the exam will be regarded as having fully attended this course. In those cases, the overall assessment will comprise reports with respect to discussions in the class (30%), short tests (30%) and report assignments (40%).

## 8. Prerequisite Reading

None.

## 9. Reference Materials

To be indicated in the lecture if necessary.

## 10. Language Used

All classes are conducted in English.

## 11. Office Hours

Mon/Wed/Fri: 16:00 – 18:00 PM

Contact: MIURA Masahiko, Department of Oral Radiation Oncology (M&D Tower 702)

E-mail: masa.mdth@tmd.ac.jp

Please contact the instructor regarding questions or consultations.

## 12. Note(s) to Students

It is preferable to take this course together with "Minimally Invasive Treatment for Cancer I." It is expected that anyone who is interested in the field of oncology will participate actively.