

| Course Coding(科目ナンバー)  | Year/Semester/Term(年度・学期)   | Faculty Offering Course(時間割所属・時間割コード)   | Eligible Student Year(開講年次)  | Credits(単位数) | Weekday and Period(曜日・時限) |
|--|---|---|--|--------------|---------------------------|
| RDM7-016-83-2  | 2026whole year  | Graduate School of Medical Sciences (20170)   | 1, 2, 3, 4   | 2            | others                    |
| Course Title(Theme)(科目名(講義題目))   |   |   | Instructor(s)(担当教員)  |              |                           |
| Cancer therapeutics(C8 Cancer therapeutics)  |   |   | SUZUKI Makoto, MUKASA Akitake, SAKAGAMI Takuro, OYA Natsuo, Kanba Tomomi, ORITA Yoriyori, NAKAYAMA Hideki, NOSAKA Kisato, YAMAMOTO Yutaka, FUKUSHIMA Satoshi, IWATSUKI Masaaki, MOTOHARA Takeshi, Hibi Taizou, MIYAMOTO Takeshi, TANAKA Yasuhito |              |                           |
| Goals with their ratio(学修成果とその割合)  |   |   |  |              |                           |
| 1.Advanced expert knowledge, skill and research capability ……60% 2.Profound inter-disciplinary knowledge ……35% 3.Global perspective and ability to take initiative action ……5% |   |   |  |              |                           |
| Type of Class(授業の形態)   | Lecture   |   |  |              |                           |
| Teaching Method(授業の方法)   | We deal with a student by intensive lecture of power point or e-learning.   |   |  |              |                           |
| Course Goals(授業の目的)  | In the current lecture, we lead to comprehend the fundamental knowledge of therapy for cancer such as surgery, radiotherapy, chemotherapy and immunotherapy and the historical change, standard treatment and future directions of cancer therapy. Furthermore, the aims of the current lecture are to understand thoroughly the leading-edge medical treatment for various types of cancer as follows: (1) gastroenterological tumor (2) respiratory tract tumor (3) brain and nervous system neoplasm (4) head and neck tumor (5) otolaryngological neoplasia (6) breast endocrine tumor (7) genitourinary system tumor (8) gynecological tumor (9) orthopaedic and neuro-musculoskeletal tumor (10) skin tumor (11) hematopoietic tumor (12) pediatric tumors. |   |  |              |                           |
| Course Learning goals(学修目標)  | <p>【A level (A水準)】<br/>To comprehend the fundamental knowledge of therapy for cancer such as surgery, radiotherapy, chemotherapy and immunotherapy and the historical change, standard treatment and future directions of cancer therapy. To understand thoroughly the leading-edge medical treatment for various types of cancer as follows: (1) gastroenterological tumor (2) respiratory tract tumor (3) brain and nervous system neoplasm (4) head and neck tumor (5) otolaryngological neoplasia (6) breast endocrine tumor (7) genitourinary system tumor (8) gynecological tumor (9) orthopaedic and neuro-musculoskeletal tumor (10) skin tumor (11) hematopoietic tumor (12) pediatric tumors.</p> <p>【C level (C水準)】</p>                                |   |  |              |                           |
| Course Outline(授業の概要)  | The aims of current lecture are to understand the up-to date treatment for the various types of cancer in addition to standard cancer therapy such as surgery, radiotherapy, chemotherapy and immunotherapy. In late years a guideline is devised every each organ, and maintain the balance of therapy is planned about the cancer. A number of clinical trials are promoted to attempt the standardization of the cancer therapy. You can learn how the standard treatments are confirmed from the results of various clinical trials.  |   |  |              |                           |
| Details for Individual Classes(各回の授業内容)  |   |   |  |              |                           |
| No.(回)   | Date(月日)  | Class Theme(授業テーマ)  | Brief Outline of Class(内容概略)   |              |                           |
| 1  |   | Yasuhito Tanaka [eJ-0]  | Medical treatment of the gastrointestinal cancer   |              |                           |
| 2  |   | Masaaki Iwatsuki [eJ-0]   | Surgical cure of the digestive cancer  |              |                           |
| 3  |   | Takuro Sakagami [eJ-0]  | Medical treatment of the lung cancer   |              |                           |
| 4  |   | Makoto Suzuki [eJ-0]  | Surgical treatment of the lung cancer  |              |                           |
| 5  |   | Hideki Nakayama [eJ-0]  | The treatment of the Oral cancer<br>The lecture will be performed on the effectiveness and clinical application of surgery, radiotherapy, chemotherapy, and immunotherapy in oral cancer patients.   |              |                           |
| 6  |   | Yoriyori Orita [eJ-0]   | The treatment of the head and neck cancer  |              |                           |
| 7  |   | Takeshi Miyamoto [eJ-0]   | The treatment of the bone soft part tumor  |              |                           |
| 8  |   | Yutaka Yamamoto [eJ-0]  | Treatment of breast cancer   |              |                           |
| 9  |   | Takeshi Motohara [eJ-0]   | The treatment of the gynecologic malignant tumor   |              |                           |
| 10   |   | Tomomi Kamba [eJ-0]   | The treatment of genitourinary cancers   |              |                           |
| 11   |   | Satoshi Fukushima [eJ-0]  | Skin cancer therapy__  |              |                           |
| 12   |   | Taizo Hibi [eJ-0]   | Pediatric Solid Cancer Therapy   |              |                           |
| 13   |   | Akitake Mukasa [eJ-0]   | The treatment of the brain tumor   |              |                           |
| 14   |   | Kisato Nosaka [eJ-0]  | The treatment of the hematologic malignancies  |              |                           |
| 15   |   | Natsuo Ohya [eJ-0]  | Radiotherapy of the cancer   |              |                           |
| Estimated out-of-class study time  |   |   |  |              |                           |
| Required Textbook(テキスト)  |   | We distribute in particular the print which we summarized the point of the lecture in without appointing it.  |  |              |                           |
| Reading List(参考文献)   |   | <ul style="list-style-type: none"> <li>• A new clinical oncology</li> <li>• Cancer principles &amp; practice of oncology, V.T. DeVita, S.Hellman, S.A.Rosenberg, Lippincott Williams &amp; Wilkins</li> <li>• Clinical Oncology, M.D.Abeloff, J.O. Armitage, J.E.Niederhuber, M.B.Kastan, W.G.McKenna, Elsevier</li> <li>• Cancer Medicine, Holland-Frei, AACR</li> <li>• The biology of Cancer, R.A.Weinberg, Garland Science</li> <li>• NCCN guideline</li> </ul> |  |              |                           |
| Enrollment Conditions(履修条件)  |   |   |  |              |                           |

|  |   |
|--|---|
| Assessment Methods and Criteria(評価方法・基準)               | We evaluate the attendance situation to a lecture, lecturing questions and answers and the lecture understanding degree about the matter which we raised to the [the aim of the class] by reports about a theme shown at being finished.Grading will be based on the student's understanding of the course subject matter. The students' understanding will be evaluated on the basis of papers and quizzes related to the topics dealt with in class to be scored from 0 to 100.Final grades will be based on the average score of the papers and quizzes as well as participation in class discussions. |
| Language Used in Instruction(使用言語)                     | Japanese  |
| Textbook/Material Language(教科書・資料の言語)                  | Japanese  |
| Course Based on Practical Work Experience(実務経験を活かした授業) | Applicable  |