

| Course Coding(科目番号) | 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) |
|---|---|---|---|--|---------------------------|
| RDM7-013-83-2 | 2024whole year | Graduate School of Medical Sciences (20140) | 1, 2, 3, 4 | 2 | others |
| Course Title(Theme)(科目名(講義題目)) | | | Instructor(s)(担当教員) | | |
| Advances in Oncologic Medicine(C5) | | | SUZUKI Makoto, ARAKI Norie, MIYAMOTO Yuji, NAKAYAMA Hideki, IMAI Katsunori, HAYASHI Hiromitsu, BABA Yoshi f umi, IWATSUKI Masaaki | | |
| Goals with their ratio(学修成果とその割合) | | | | | |
| 1.Advanced expert knowledge, skill and research capability ……45% 2.Profound inter-disciplinary knowledge ……35% 3.Global perspective and ability to take initiative action ……10% 4.Social leadership drive ……10% | | | | | |
| Type of Class(授業の形態) | Lecture | | | | |
| Teaching Method(授業の方法) | PowerPoint will be used in the lectures, and active participation in the discussion is encouraged. Extra classes or video lectures are considered for those who are regularly absent for unavoidable reasons. | | | | |
| Course Goals(授業の目的) | To understand advances in oncologic medicine, this course serves evidences and recent findings of medical oncology as follows: | | | | |
| Course Learning goals(学修目標) | 【A level (A水準)】 To understand advances in oncologic medicine, this course serves evidences and recent findings of medical oncology as follows: (1) Overview of tumor biology and genetics; (2) Recent advances in gastroenterological surgery; (3) Recent advances in oral and maxillofacial surgery; (4) Recent advances in thoracic surgery 【C level (C水準)】 | | | | |
| Course Outline(授業の概要) | This course overviews landmark findings in mechanism of tumor genesis and recent developments, and serves some of leading-edge research and our data. We focus on following topics: molecular mechanisms of tumor-related genes, cell cycle, cell death, cell differentiation; therapeutic agents based on tumor biology; molecular diagnostic tools, genome, transcriptome and proteomics; cancer stem cell. Many people suffer from gastroenterological cancers (esophageal, gastric, colon, pancreas, liver, biliary tract and gastrointestinal stromal tumor). We explain not only standard treatment for gastroenterological cancer but also cutting-edge treatment for refractory or metastatic, or recurrent gastroenterological cancer. | | | | |
| Details for Individual Classes(各回の授業内容) | | | | | |
| No.(回数) | Date(月日) | Class Theme(授業テーマ) | | Brief Outline of Class(内容概略) | |
| 1 | 10/08 | (Tue) 4th period | Araki Norie 【eEJ-L】 | Tumor Genetics and biology (introduction) | |
| 2 | 10/15 | (Tue) 4th period | Araki Norie 【eEJ-L】 | Tumor Genetics and biology 1 | |
| 3 | 10/22 | (Tue) 4th period | Araki Norie 【eEJ-L】 | Tumor Genetics and biology 2 | |
| 4 | | | Miyamoto Yushi 【eJ-0】 | Gastroenterological surgery (introduction) | |
| 5 | | | Imai Katsunori 【eE-0】 | Gastroenterological surgery 1 | |
| 6 | | | Hayashi Hiromitsu 【eJ-0】 | Gastroenterological surgery 2 | |
| 7 | | | Baba Yoshi f umi 【eE-0】 | Gastroenterological surgery 3 | |
| 8 | | | Iwatsuki Masaaki 【eE-0】 | Gastroenterological surgery 4 | |
| 9 | | | Miyamoto Yushi 【eE-0】 | Gastroenterological surgery 5 | |
| 10 | | | Nakayama Hideki 【eJ-0】 | Oral and maxillofacial tumors | |
| 11 | | | Nakayama Hideki 【eJ-0】 | Diagnosis and treatment of oral cancer | |
| 12 | | | Nakayama Hideki 【eJ-0】 | Challenges in oral cancer treatment | |
| 13 | | | Suzuki Makoto 【eE-0】 | Thoracic surgery (introduction) | |
| 14 | | | Suzuki Makoto 【eJ-0】 | Lung cancer ----- | |
| 15 | | | Suzuki Makoto 【eE-0】 | Medistinal tumor ----- | |
| Estimated out-of-class study time | | | | | |
| Required Textbook(テキスト) | Textbooks are not specified. | | | | |
| Reading List(参考文献) | “Natural obsessions:The search for the oncogene” by Angier. N, Houghton Mifflin Co, 1988. “Cancer: principles & practice of oncology, 7th ed” by DeVita VT, Lippincott Williams & Wilkins,2004 “The biology of cancer” by Weinberg RA Garland Science, 2007. “Clinical Oncology.” by Abeloff MD, Churchill Livingstone, . “ACS surgery: principles and practice” by Wilmore DW, WebMD. ・ “Thoracic Surgery, 2nd edition ” by Pearson FG, Churchill Livingstone, 2002 | | | | |
| Enrollment Conditions(履修条件) | | | | | |
| Assessment Methods and Criteria(評価方法・基準) | Grading will be based on active class participation, paper summaries,and final report. | | | | |
| Language Used in Instruction(使用言語) | Japanese and English | | | | |
| Textbook/Material Language(教科書・資料の言語) | Combination of Japanese and English | | | | |
| Course Based on Practical Work Experience(実務経験を活かした授業) | Applicable | | | | |