

**Lecture Series “Riron”: C8 Cancer therapeutics  
(Elective: 2 credits)**

**Subject Code 20170**

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**【Objectives】**

Deepen and, by the lecture in the cancer therapeutics theory, teach understanding of basics of the therapy for cancer such as surgical cure, radiotherapy, chemotherapies or the immune therapy we understand the change of the history of the therapy, recent standard treatment, the future directionality, and to be able to learn it. Of the cancer therapy in domains following as detailed exposition is the highest, and aim for deepening understanding to relate to.

Aim for acquisition of the knowledge about the latest therapy because of (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) urinary system tumor (8) gynecological tumor (9) orthopaedic and neuro-musculoskeletal tumor (10) skin tumor (11) hematopoietic tumor (12) pediatric tumors.

**【Content Description】**

By this lecture, we can deepen the latest therapy for every each organ, understanding about the standard treatment as well as surgical cure as the general remarks of the cancer therapy, chemotherapies, radiotherapy, immune therapy.

In late years a guideline is devised every each organ, and maintain the balance of therapy is planned about the cancer.

For standardization of the cancer therapy, various clinical trial is promoted, and, based on obtained results, the high thing of the evidence level is established as standard treatment, but learns how standard treatment is established by results of the conventional clinical trial.

Also, it depends on a report and the attendance situation.

**【Keywords】** Surgical cure, chemotherapies, radiotherapy, immune therapy, an anticancer drug, molecule target treatment, head and neck cancer, lung cancer, mesothelium class, tumor of mediastinum, breast cancer, esophageal cancer, gastric cancer, large bowel cancer, gastrointestinal stromal tumor, liver cancer, pancreatic cancer, biliary tract cancer, renal cancer, urothelial cancer, prostate cancer, uterine cancer, an ovarian cancer, bone soft part tumor, skin cancer, nucleus nervous system neoplasm, endocrinoma, child solid cancer, acute leukemia, chronicity myeloproliferative disorder, marrow aberrant type symptom-complex, lymphoproliferative disease, multiple myeloma, an HIV connection tumor, a metastatic tumor, on koro Gee emergency, an NCCN guideline

**【Class Style】** With the lecture pattern that attached great importance to questions and answers [the form of the class], we utilize power point, OHP. In addition, we deal with a student and the member of society student of the distant place by supplementary lecture, intensive lecture, video lecture or e-learning.

**【Textbooks】** We distribute in particular the print which we summarized the point of the lecture in without appointing it.

**【Recommended Readings】**

- A new clinical oncology
- Cancer *principles & practice of oncology*, V.T. DeVita, S.Hellman, S.A.Rosenberg, Lippincott Williams & Wilkins
- Clinical Oncology, M.D.Abeloff, J.O. Armitage, J.E.Niederhuber, M.B.Kastan, W.G.McKenna, Elsevier
- Cancer Medicine, Holland-Frei, AACR
- The biology of Cancer, R.A.Weinberg, Garland Science
- NCCN guideline

**【Office Hour】** We cope whether the question about the doubt of lecture contents and the specialism can refer by a telephone or an E-mail to the teacher mentioned above if we have you visit the laboratory.

**【Evaluation for Grades and Credits】** 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

**【Lecture Schedule】** Please refer to the class schedule described in an attached sheet.

The sessions marked with "e" are under preparation of e-learning contents. In some cases, the session that is not marked with "e" will be done by utilizing e-learning system, as soon as the e-learning contents are ready for use. Therefore, you must check the updated syllabus cited on the home page of the Graduate School of Medical Sciences, Kumamoto University to check the current status of the session before you take a session. If you cannot obtain enough information from the home page, please make contact with the instructors of the sessions.

There are six types of e-learning, those marked with "eE0", "eEL", "eJ0", "eJL", "eEJ-0" and "eEJ-L". To know the meanings of these six markings and to learn how to use e-learning system, please see the section explaining about the e-learning system in this syllabus.

Session	Date & time	Instructors	Topics
1 .	Feb 1(Mon)5 <sup>th</sup> period	Hideo Baba	Surgical cure of the digestive cancer
2 .	Feb 4(Thu)5 <sup>th</sup> period	Yutaka Sasaki	Medical treatment of the gastrointestinal cancer
3 .	Feb 8(Mon)5 <sup>th</sup> period	Hirotsugu Korogi	Medical treatment of the lung cancer
4 .	Feb15(Mon)5 <sup>th</sup> period	Hiroaki Nomori	Surgical treatment of the lung cancer
5 .	Feb18(Thu)5 <sup>th</sup> period	Masanori Shinohara	The treatment of the chin mouth neoplasia
6 .	Feb22(Mon)5 <sup>th</sup> period	Eiji Yumoto	The treatment of the cervical part tumor
7 .	Feb25(Thu)5 <sup>th</sup> period	Hiroshi Mizuta	The treatment of the bone soft part tumor
8 .	Mar 1(Mon)5 <sup>th</sup> period	Hirotsuka Iwase	Treatment of the breast endocrinoma
9 .	Mar 4(Thu)5 <sup>th</sup> period	Hidetaka Katabuchi	The treatment of the gynecologic malignant tumor
1 0 .	Mar 8(Mon)5 <sup>th</sup> period	Masaki Yoshida	The treatment of the urinary system tumor
1 1 .	Mar11(Thu)5 <sup>th</sup> period	Hironobu Ihn	Skin cancer therapy
1 2 .	Mar15(Mon)5 <sup>th</sup> period	Yukihiro Inomata	Child solidity cancer therap
1 3 .	Mar18(Thu)5 <sup>th</sup> period	Junichi Kurtsu	The treatment of the brain tumor
1 4 .	Mar25(Thu)5 <sup>th</sup> period	Hiroaki Mitsuya	The treatment of the hematopoietic tumor
1 5 .	Mar26(Fri)5 <sup>th</sup> period	Natsuo Oya	Radiotherapy of the cancer