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| Category (科目区分) | Specialized subjects / Cancer treatment system | | |
| Course Title (授業科目名) | cancer genome diagnosis and precision medicine (Only available to those enrolled before 2023) | | |
| Instructors (担当者名) | Hiroyuki Shibata | Academic Year (配当年次) | All grades |
| Required Course / Elective Course (必修/選択) | Selective | Credits (単位数) | 2 |
| Class Format (授業形態) | Web class | | |
| Schedule (開講期間) | 2024 April-2025 March | | |
| Class Date/Period (開講曜日・時間) | On demand | | |
| Course Outline/ Course Objectives (授業の概要・到達目標) | | | |
| According to the progress in cancer biology, diagnosis of cancer has been improved. "Precision medicine initiative", it was declared by President Obama in 2015, where we analyze the cancer cells by genetic methods, and give the cancer patient with an appropriate agents due to the results. This trend will become a main stream of cancer diagnosis without doubt. | | | |
| Course Planning (授業計画) | | | |
| | Course Outline/ Course Objectives (授業の概要及び到達目標) (Contents of Class) ((授業内容)) | Instructor (担当教員名) | Department (講座名) Class Room [実施場所] |
| 1 | Nursing for patients with genetic diseases | Naoko Arimori | Niigata University |
| 2 | Cancer genomes and gene panel sequencing | Shunsuke Kato | Juntendo University |
| 3 | nextgeneration sequencer | Jun Yasuda | Tohoku University |
| 4 | Therapeutic Drug monitoring of cancer agents | Masatomo Miura | Dept Pharmaceutics |
| 5 | Imunohistochemistry and cancer diagnosis | Akiteru Goto | Dept Pathology |
| 6 | pathological diagnosis of cancer | Hiroshi Manjyo | Dept Pathology |
| 7 | Viral hepatic disease, hepatocellular carcinoma | Takashi Goto | Dept. Gastroenterology |
| 8 | Surgical treatment of brain tumor | Kazutaka Takahashi | Dept. Neurosurgery |
| 9 | Dualenergy CT | Koichi Ishiyama | Dept. Radiology. |
| 10 | Treatment of gynecological cancer | Tsukasa Baba | Iwate mRNA university |
| 11 | Hereditary Cancer | Tadahisa Fukui | Yamagata Valley |
| 12 | Cardiac tumor | Hiroyuki Watanabe | Dept. Cardiology |
| 13 | Endoscopic treatment | Tamotsu Matsunashi | Dept. Gastroenterology |
| 14 | Human papillomavirus and cervical cancer | Dai Shimizu | Dept. Gynecology |
| 15 | Chemotherapy for neuroendocrine tumoe | Koji Fukuda | Dept. Clinical Oncology |
| 16 | Nursing for hereditary cancer patients | Nanae Kamokawa | Tokai University |
| 17 | Statics of cancer in Akita prefecture | Satoru Motoyama | Dept. Local cancer treatment |
| 18 | counseling of hereditary cancer | Atsuko Noguchi | Dept Pediatrics |
| 19 | Drug induced pneumonitis | Katsutoshi Nakayama | Dept. Respiratory medicine |
| 20 | Development of artificial antibody | Ryutaro Asano | Tokyo University of Agriculture and Technology |
| Grading Criteria (成績評価の基準と方法) | | | |
| Submission of the report | | | |
| Contact Information (問い合わせ先(氏名, メールアドレス等)) | | | |
| Name: Hiroyuki Shibata / E-mail: hiroyuki@med.akita-u.ac.jp | | | |
| Coment (その他特記事項) | | | |
| Only available to those enrolled before 2023. | | | |
| Self education by using web classes | | | |