

<b>Category</b> (科目区分)	Cluster of Cancer Treatment Specialist Training System		
<b>Course Title</b> (授業科目名)	Precision medicine, rare cancer, therapy and care for children and the aged		
<b>Instructors</b> (担当者名)	Hiroyuki Shibata	<b>Academic Year</b> (配当年次)	All grades
<b>Required Course / Elective Course</b> (必修/選択)	Elective Course	<b>Credits</b> (単位数)	2
<b>Class Format</b> (授業形態)	Web class		
<b>Schedule</b> (開講期間)	2026 April-2027 February		
<b>Class Date/Period</b> (開講曜日・時間)	On demand		
<b>Course Outline/ Course Objectives</b> (授業の概要・到達目標)			
<p>It is very important to treat cancer patients based on the precise information obtained from cancer genome analysis. We call it precision medicine. It is matched to the theory of cancer biology. It leads to the personalized treatment. This method is also good to control adverse events. Team treatment is a good solution of the complicated cancer treatment and care. This lecture is very useful for the doctors in the future.</p> <p>In this course, students are required to register for access to the National Cancer Professional Online Education Platform and attend selected lectures provided through the platform. Further details will be sent to enrolled students by email after the course registration period has concluded.</p>			
<b>Course Planning</b> (授業計画)			
	<b>Course Outline/ Course Objectives</b> (授業の概要及び到達目標) (Contents of Class) (授業内容)	<b>Instructor</b> (担当教員名)	<b>Department</b> (講座名) <b>Class Room</b> [実施場所]
1	Cancer rehabilitation	Yoshishige Abe	Chiba Prefectural University of Health Science
2	Care for cancer children	Michihiro Yano	Dept. Pediatrics
3	How to be a cancer pharmaceutical specialist	Jyunya Sato	International University of Health and Welfare
4	treatment for rare cancer and sarcoma	Eisuke Kobayashi	National Cancer Center
5	Palliative care for cancer patients in rural region	Yusuke Kimura	Iwate medical University
6	Geriatric Oncology	Hiroyuki Shibata	Dept. Clinical Oncology
7	Urologic Cancers (Renal Cell Carcinoma and Urothelial Carcinoma) (Please select and attend one lecture from Urologic Cancers (Renal Cell Carcinoma and Urothelial Carcinoma) within Specialized Knowledge 1: Surgical Oncology.)	Select and view from the National Cancer Professional Online Platform	
8	Hereditary gynecological cancers	Naoki Sato	Dept. Gynecology
9	Palliative care in the home of the cancer patients	Toshiaki Ichikawa	Ryujinkai M.O.
10	Rare Cancers	Hiroyuki Shibata	Dept. Clinical Oncology
11	Cancer of unknown primary	Hiroyuki Shibata	Dept. Clinical Oncology
12	Musculoskeletal Management in Cancer Patients: Focus on Bone Metastases	Yusuke Shinoda	Saitama Medical University
13	Hematologic Malignancies (Leukemia) (Please select and attend one lecture from Hematologic Malignancies (Leukemia) within Specialized Knowledge 2: Medical Oncology.)	Select and view from the National Cancer Professional Online Platform	
14	Malignant Lymphoma and Multiple Myeloma	Naoto Takahashi	Dept. Hematology
15	Roles of cancer nurse specialists	Maiko Konno	Dept. Nursing
16	Nutritional support of cancer patients	Hideaki Ando	Dept Clinical nursing
17	Oncologic emergency	Hiroyuki Shibata	Dept. Clinical Oncology
18	Surgical treatment for cancer children	Hiroaki Yoshino	Dept children surgery
19	Skin Cancer / Bone and Soft Tissue Tumors (Please select and attend one lecture from Standard Treatments for Representative Diseases 8: Skin Cancer / Bone and Soft Tissue Tumors within Common Knowledge 4: Introduction to Clinical Oncology.)	Select and view from the National Cancer Professional Online Platform	
20	Impact of cancer immunotherapy	Hiroyuki Shibata	Dept. Clinical Oncology
<b>Grading Criteria</b> (成績評価の基準と方法)			
submission of the report			
<b>Contact Information</b> (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			
<b>Comment</b> (その他特記事項)			
Self education by using web classes and the National Cancer Professional Online Education Platform.			