

<b>Category</b> (科目区分)	Cluster of Cancer Treatment Specialist Training System		
<b>Course Title</b> (授業科目名)	Cancer treatment based on precision medicine		
<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)			
Precision treatment for cancer patients is now expanded to many field of cancer treatment. It includes stereoraiotreatment, molecular targeted therapies, and robot surgery. Combined treatments of these modalities should be known among cancer doctors and care-givers.			
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.			
<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	Radiation physics	Yuki Wada	Dept. Radiology
2	Radiation Biology	Yuki Wada	Dept. Radiology
3	Radiotherapy -overview-	Yuki Wada	Dept. Radiology
4	Diagnostic Imaging	Naoko Mori	Dept. Radiology
5	Special Topics I: Palliative Radiation Therapy	Yuki Wada	Dept. Radiology
6	Special Topics II: Breast Cancer, Gynecologic Cancers, and Gastrointestinal Cancers	Noriko Takagi	Dept. Radiology
7	Special Topics III: Central Nervous System Tumors, Lung Cancer, and Urologic Cancers	Satoshi Kumagai	Dept. Radiology
8	Surgical treatment of lung cancer	Kazuhiro Imai	Dept. Thoracic Surgery
9	Chemotherapy for lung cancer	Yuji Okuda	Dept. Respiratory
10	Introduction to Surgical Oncology (Please select and attend one lecture from Introduction to Surgical Oncology within Common Knowledge 4: Introduction to Clinical Oncology.)	Select and view from the National Cancer Professional Online Platform	
11	Surgical Oncology: Gastrointestinal Cancer (Stomach and Duodenum) (Please select and attend one lecture from Gastrointestinal Cancer (Stomach and Duodenum) within Specialized Knowledge 1: Surgical Oncology.)	Select and view from the National Cancer Professional Online Platform	
12	Practical Approaches to Fertility Preservation in Adolescent and Young Adult (AYA) Patients	Yukiyo Kumazawa	Dept. Obstetrics and Gynecology
13	Surgical Oncology: Gastrointestinal Cancer (Rectum and Anus) (Please select and attend one lecture from Gastrointestinal Cancer (Rectum and Anus) within Specialized Knowledge 1: Surgical Oncology.)	Select and view from the National Cancer Professional Online Platform	
14	Medical Oncology: Gastrointestinal Cancer (Colon) (Please select and attend one lecture from Gastrointestinal Cancer (Colon) within Specialized Knowledge 2: Medical Oncology.)	Select and view from the National Cancer Professional Online Platform	
15	Breast Cancer	Kaori Terata	Dept. Thoracic Surgery
16	Social Support and Survivorship in Cancer Patients (Please select and attend one lecture from Social Support and Survivorship in Cancer Patients within Next-Generation Common Module 1-1: Palliative Care and Pain Management.)	Select and view from the National Cancer Professional Online Platform	
17	Prostate Cancer	Shintaro Narita	Dept. Urology
18	Overview of Palliative and Supportive Care in Cancer (Please select and attend one lecture from Overview of Palliative and Supportive Care in Cancer within Next-Generation Common Module 1-1: Palliative Care and Pain Management.)	Select and view from the National Cancer Professional Online Platform	
19	Chemotherapy for pancreas cancer	Koji Fukuda	Dept. Clinical Oncology
20	cancer patient supprt	Midori Akiyama	Dept. Nursing
<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			