

Category (科目区分)	Cluster of Inflammation and immune system		
Course Title (授業科目名)	inflammation and the perioperative management/Clinical training		
Instructors (担当者名)	Kazuhiro Imai	Academic Year (配当年次)	2
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	1
Class Format (授業形態)	Lecture, Research training		
Schedule (開講期間)	email to the student		
Class Date/Period (開講曜日・時間)	email to the student		
Course Outline/ Course Objectives (授業の概要・到達目標)			
<p>Purpose; The student will learn about the cause, pathophysiology, symptomatology, diagnosis and treatment of the respiratory disease.</p> <p>Goal; The student can explain them.</p> <p>Course Outline;</p> <p>1,2,7,8 (Prof. Nakayama); The respiratory disease can relapse inflammatory syndrome. Instructors pick up Asthma, COPD, Pulmonary fibrosis, and infections, and explain about each cause, pathophysiology, symptomatology, diagnosis and treatment.</p> <p>3,4 (Dr. Imai); It is known that septic shock leads to systemic inflammatory syndrome and multiple organ failure (MOF) in late stages, eventually leading to death. In this lecture, the student learns about the theory and treatment while presenting ARDS animal model and clinical cases.</p> <p>5,6 (Dr. Imai); guideline of chest surgery and immuno-therapy Instructors show the latest guidelines. Immuno-checkpoint inhibitor has so-called "long tail effect", which is excellent therapeutic effect in patients with PD-L1 TPS >50% lung cancer. Also, we will explain you immuno-therapy for lung cancer in detail.</p>			
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	Asthma & COPD	Katsutoshi Nakayama	Department of Respiratory Medicine [Seminar Room]
2			
3	Acute respiratory failure	Kazuhiro Imai	Department of Thoracic Surgery [Conference room]
4			
5	Immuno-therapy for lung cancer	Kazuhiro Imai	Department of Respiratory Medicine [Seminar Room]
6			
7	Pulmonary fibrosis & infections	Katsutoshi Nakayama	Department of Respiratory Medicine [Seminar Room]
8			
Grading Criteria (成績評価の基準と方法)			
30 hours of experimental training in the seminar room + 15 hours of self-study, 45 hours in total is counted as 1 credit, attendance status, the results of the oral and written examinations and the contents of the submitted report will be taken into consideration to evaluate.			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
Name : Kazuhiro Imai / E-mail : karo@doc.med.akita-u.ac.jp			
Coment (その他特記事項)			
Please let us know if the student can not attend course, especially working graduate students. Instructors will distribute the textbook, handouts, referenced reports. The student should prepare for this course.			