

Category (科目区分)	Cluster of Inflammation and immune system		
Course Title (授業科目名)	Inflammolgy I / Clinical training		
Instructors (担当者名)	Yoshihiro Minamiya	Academic Year (配当年次)	1
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)	emai to the student		
Class Date/Period (開講曜日・時間)	emai to the student		
Course Outline/ Course Objectives (授業の概要・到達目標)			
Purpose; The objective of this course is to understand sentinel node theory and identification methods in lung cancer.			
The course also aims to provide students with guidelines and immunotherapy in the field of respiratory surgery in the treatment of lung cancer.			
Goal; The goal of this course is to understand and explain sentinel node theory and identification methods in lung cancer.			
The goal of this course is to acquire and practice the guidelines and immunotherapy in the field of respiratory surgery in the treatment of lung cancer.			
Course Outline;			
2,3,4,5 (Prof. Minamiya);Sentinel node theory in lung cancer:			
The concept of the sentinel node (SN) is that if there is no metastasis in the SN, where lymphatic flow from the carcinoma first reaches, there is no evidence of metastasis to distant lymph nodes. The significance of its introduction in lung cancer treatment may be the omission of lymph node dissection during lobectomy and thoracoscopic lobectomy, which are technically more difficult than conventional lymph node dissection. SN theory and its identification method in lung cancer will be presented.			
6,7,8,9,10 (Dr. Imai);Guidelines for Respiratory Surgery and Immunotherapy for Lung Cancer;			
The latest respiratory surgery guidelines for lung cancer treatment will be reviewed. In addition, immune checkpoint inhibitors are known to have a sustained high therapeutic effect in patients with more than 50% PD-L1 positive cells (immunohistological staining) in the tumor due to the “long tail effect”. This article describes the position of immunotherapy in lung cancer treatment.			
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	Outline (about report)	Yoshihiro Minamiya	Department of Thoracic Surgery [ Conference room ]
2	Sentinel lymph node mapping in lung cancer	Yoshihiro Minamiya	
3			
4			
5			
6	guideline for chest surgery	Kazuhiro Imai	
7			
8	Immuno-therapy for lung cancer	Kazuhiro Imai	
9			
10			

**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: Yoshihiro Minamiya / E-mail: minamiya@jd6.so-net.ne.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.