

Thoracic Surgery

1. Staffs and Students

Professor:	Kenichi OKUBO
Junior Associate Professor:	Hironori ISHIBASHI
Assistant Professor:	Naoyuki FUJIWARA
Hospital Staff:	Chihiro TAKASAKI

2. Purpose of Education

Main objective of Thoracic Surgery in the graduate course is to provide students with opportunity to study surgical anatomy, pathophysiology, and combined modality treatment in order to become the specialized surgeons who have international and scientific feelings.

3. Research Subjects

- 1) Establishing surgical skills and multimodality treatments for thoracic oncology
- 2) Developing minimal invasive technique/surgery for thoracic diseases
- 3) Molecular biological approaches for thoracic malignancies

4. Clinical Services

Thoracic Surgery clinic performs surgical treatments for the diseases of lung, chest wall, and mediastinum. Lung cancer, pleural diseases, and mediastinal tumor are mainly treated with surgery using minimal invasive techniques or function-preserved techniques. Advanced diseases are also treated with extended resection and/or multimodality approach.

5. Publications

1. Takahashi T, Sonobe M, Menju T, Nakayama E, Mino N, Iwakiri S, Nagai S, Sato K, Miyahara R, Okubo K, Hirata T, Date H, Wada H. Mutations in Keap1 are potential prognostic factor in resected non-small cell lung cancer. *J Surg Oncol* 2010; 101:500-506.
2. Sakai H, Nakano Y, Muro S, Hirai T, Takubo Y, Oku Y, Hasegawa H, Takahashi A, Sato T, Chen F, Sahara H, Fujinaga T, Sato K, Sonobe M, Shoji T, Miyahara R, Okubo K, Bando T, Hirata T, Date H, Mishima M. Age-related changes in the trachea in healthy adults. *Adv Exp Med Biol* 2010; 662:115-120.
3. Shoji T, Bando T, Fujinaga T, Okubo K, Yukawa N, Mimori T, Date H. Living-donor lobar transplantation for interstitial pneumonia associated with dermatomyositis. *Transpl Int* 2010; 23:e10-1.
4. Chen F, Sakai H, Miyahara R, Bando T, Okubo K, Date H. Repeat resection of pulmonary metastasis is beneficial for patients with colorectal carcinoma. *World J Surg* 2010; 34: 2373-8. Epub 2010 Jun 26.
5. Chen F, Yoshizawa A, Okubo K, Date H. Characteristic endobronchial ultrasound image of hemangiopericytoma/solitary fibrous tumor. *Interact Cardiovasc Thorac Surg* 2010;11:331-2. Epub 2010 Jun 30.
6. Chen F, Matsuo Y, Yoshizawa A, Sato T, Sakai H, Bando T, Okubo K, Shibuya K, Date H. Salvage lung resection for non-small cell lung cancer after stereotactic body radiotherapy in initially operable patients. *J Thorac Oncol* 2010;5: 1999-2002.

Presentations in International Conferences

1. Okubo K, Fujinaga T, Sonobe M, Shoji T, Sakai H, Miyahara R, Bando T, Date H, Shibuya K, Hiraoka K. Feasibility and efficacy of trimodality treatment with intensity modulated radiation therapy for malignant pleural mesothelioma - preliminary assessment - The 10th International Conference of the International Mesothelioma Interest Group. Kyoto, Japan, Aug 31- Sep 3, 2010
2. Hironori Ishibashi, Shin-ichiro Ohta, Masahide Hirose, Noriko Tanio, Nobuaki Nakajima. Successful treatment for tracheal stenosis compressed by expanding empyema 16th World Congress of Bronchology, Budapest, Hungary, June 13th - 16th, 2010
3. Noriko Tanio, Nobuaki Nakajima, Midori Matsuyama, Hiroki Okada, Kazuki Fukuchi, Hironori Ishibashi, Shin-ichiro Ohta, Makoto Suzuki. Metastasizing leiomyoma from the uterus ~case report~ 16th World Congress of Bronchology, Budapest, Hungary, June 13th - 16th, 2010
4. Hironori Ishibashi, Shin-ichiro Ohta, Masahide Hirose, Noriko Tanio, Nobuaki Nakajima. Use of 8Fr. aspiration

catheter for delayed hemothorax – Is traditional rigid chest tube essential for delayed hemothorax? 18th European Conference on General Thoracic Surgery, Valladolid, Spain, 30 May – 2 June 2010

5. K. Kojima, N. Fujiwara, H. Arai. Examination of the influence that lymphatic and venous involvement gives consequence of stage I non small-cell lung cancer in new TNM classification. 2010 ASCO annual meeting, Chicago, U.S.A. June 4-8, 2010