Thoracic and Cardiovascular Surgery

1. Staffs and Students (April. 2009)
   Professor Hirokuni ARAI
   Associate Professor
   Junior Associate Professor
   Assistant Professor Katsuo KOJIMA, Tomoya YOSHIZAKI
   Naoyuki FUJIWARA, Satoru MAKITA, Naoto MIYAGI, Tomohiro USHIYAMA

   Hospital Staff 2
   Graduate Student 1
   Research Student 0

2. Purpose of education
   Thoracic and Cardiovascular Surgery is a branch of medical science which deals the surgical treatment of the disease of lung, mediastinum, heart and aorta. Main objective of Thoracic and Cardiovascular Surgery in the graduate course is to provide students opportunity to study surgical anatomy, pathophysiology, pharmacology, and advanced treatment. Students are also taught basic research for the surgical treatment.

3. Research Subjects
   1) Developing new device in OPCAB surgery and evaluation in clinical use
   2) Developing new technique/surgery for ischemic heart disease
   3) Developing technique of beating mitral valve surgery
   4) Research for artificial heart and heart and/or lung transplantation
   5) Developing technique of lung resection with preserving lung function
   6) Diagnose and treatment with video-assisted surgery

4. Clinical Services
   Surgical treatment of the disease of lung, mediastinum, heart and aorta, especially for lung cancer, ischemic and valvar heart disease, and aortic disease are performed. Especially for elderly patients, we offer minimum invasive surgery. We also offer the forefront science and technology to our treatment and surgery.

5. Publications in English

International Presentation
   3. Naoto Miyagi, Shin Takabayashi, Hiroo Takayama, Kan Nawata: Setting up the Japanese Association of Young Cardiac Surgeons. The International Society for Minimally Invasive Cardiothoracic Surgery 09, San Francisco, California, USA, 2009, June 3-6
   4. Kan Nawata, Naoto Miyagi, Hiroo Takayama, Shin Takabayashi: Current Status of Young Cardiac Surgeons in


8. Hironori Ishibashi, MD, PhD, Shin-ichiro Ohta, MD, PhD, Masahide Hirose, MD, PhD, Noriko Tania, MD, Nobuaki Nakajima, MD: USE OF 8Fr. ASPIRATION CATHETER FOR DELAYED HEMOTHORAX – IS TRADITIONAL RIGID CHEST TUBE ESSENTIAL FOR DELAYED HEMOTHORAX? 6th International Meeting on General Thoracic Surgery, Barcelona, Spain, 2009, November 25th-27th