

Clinical Anatomy

1. Staffs and Students (April, 2010)

Professor	Keiichi AKITA (October ~)	
Associate Professor	Keiichi AKITA (~ September)	
Assistant Professor	Kumiko YAMAGUCHI (~ March)	
Akimoto NIMURA (November ~)		
Graduate Student	Atsuo KATO,	Kazuhiro SAKAMOTO,
	Atsushi TASAki,	Naoki MATSUOKA (~ March),
	Yasuo NAKAJIMA,	Hisayo NASU

2. Purpose of Education

Clinical anatomy is generally considered as the practical application of anatomical knowledge to diagnosis and treatment, however we think that this course is a part of pure anatomical science based on the findings of the morphological observations of the human bodies. Main objective of Clinical anatomy in the graduate course is to make detailed anatomical data to answer the questions developed from clinical fields especially by surgeons and radiologists. We collaborate with many clinicians: ENT, orthopedics, gynecology, thoracic surgery, radiology and so on, and our projects have been broad areas. Students are expected to get fine dissection techniques of human bodies and also learn techniques of histology and embryological experiments. By using these techniques, we study the spatial relationships of organs, vessels nerves, and also try to examine their developmental processes in various projects.

3. Research Subjects

- 1) Anatomical study of the shoulder joint and rotator cuff.
- 2) Embryological study of the differentiation of cloaca and surrounding muscles.
- 3) Cadaveric study of the female pelvis for the gynecologic oncology and colposcopy
- 4) Analyses of the lamination in the masticatory muscles with special reference of nerve supply

4. Publications

Original Article

1. Matsuki K, Sugaya H, Watanabe A, Toyone T, Moriishi J, Mochizuki T, Akita K, Wada Y. Infraspinatus muscle atrophy as a function of the sagittal extent of rotator cuff tears. *Orthopedics* 2010 May 12;33(5):10.3928/01477447-20100329-08.
2. Satoshi Shirakura, Atsunobu Tsunoda. Parapharyngeal space tumours: anatomical and image analysis findings. *Auris Nasus Larynx* 37(2010):621-625.
3. Nimura A, Muneta T, Otabe K, Koga H, Ju Y, Mochizuki T, Suzuki K, Sekiya I: Analysis of human synovial and bone marrow mesenchymal stemcells in relation to heat-inactivation of autologous and fetal bovine serums. *BMC Musculoskelet Disord* 2010 Sep 14; 11:208
4. Nimura A, Nakagawa T, Wakabayashi Y, Sekiya I, Okawa A, Muneta T: Repair of Olecranon fractures Using FiberWire Without Metallic Implants: Report of Two Cases. *J Orthop Surg Res.* 2010 Oct 12;5:73.