

Rehabilitation Medicine

1. Staffs and Students (April, 2010)

Associate Professor	Sadao MORITA	
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2. Purpose of Education

Rehabilitation medicine consists of physical, occupational and speech therapy. Main theme of rehabilitation medicine in graduate course is to study 3-dimensional motion analysis in activities of daily living and molecular biological analysis of disuse atrophy.

3. Research Subjects

- 1) 3-dimension motion analysis in activities of daily living
- 2) Balance and occlusion
- 3) Biomechanical analysis of artificial limb
- 4) Prevention of dislocation after total hip arthroplasty
- 5) Prevention of disuse bone atrophy

4. Publications

Original Article

1. Kiyoshi Sakata, Akira Kogure, Masataka Hosoda, Koji Isozaki, Tadashi Masuda, Sadao Morita: Evaluation of the age-related changes in movement smoothness in the lower extremity joints during lifting. *Gait & Posture* 31: 27-31, 2010.
2. Junya Aizawa, Tadashi Masuda, Takayuki Koyama, Koji Nakamaru, Koji Isozaki, Atsushi Ohkawa, Sadao Morita: Three-dimensional motion of the upper extremity joints during various activities of daily living. *Journal of Biomechanics* 43: 2915-2922, 2010.