

Temporomandibular Joint and Occlusion

1. Staffs (April, 2009)

Associate Professor	Koji KINO	
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2. Purpose of Education

Purpose of education for students and residents in this course is to provide an opportunity to learn basic knowledge on diagnostic and therapeutic procedures for temporomandibular diseases. In special course for graduate students and undergraduate students, we instruct statistical techniques especially with the multi variate analysis by using clinical data acquired from patients with temporomandibular disorders (TMD).

3. Research Subjects

- 1) Development of multidimensional evaluation system for etiological factors of TMD
- 2) Influence of patients' psychosomatic factors for TMD
- 3) Sleep bruxism: its etiology, influence and treatment
- 4) Effectiveness of physiological therapy for TMD
- 5) Mechanisms of occlusal discomfort

4. Clinical Services

Temporomandibular joint clinic provides diagnosis and treatment for diseases and dysfunctions of temporomandibular joint and masticatory muscles. We also provide the treatments for the nocturnal bruxism and the occlusal discomfort.

5. Publications

Original Article

1. Nakanishi S, Sakamoto K, Yoshitake H, Kino K, Amagasa T, Yamaguchi A. Bone morphogenetic proteins are involved in the pathology of synovial chondromatosis. *Biochemical and Biophysical Research Communications* 2009; 379: 914-9.

Scientific Meeting

1. Tsukagoshi K, Nishiyama A, Kino K, Sato F, Haketa T. Prevalence of temporomandibular disorders among working population. The first Asian Academic Congress for Temporomandibular Joint. 2009.9.19. Seoul.
2. Fujise K, Sugisaki M, Kino K, Takano N, Kuruma E, Saito T, Hayashi K, Nishiyama A. Questionnaire survey about relationship between temporomandibular disorders and work contents in dental patients of general dental clinics. The first Asian Academic Congress for Temporomandibular Joint. 2009.9.19. Seoul.
3. Yoshitake H, Kobayashi A, Sato F, Kino K, Amagasa T. Treatment effect of the SUPER LIZER for TMD patients with pain. The first Asian Academic Congress for Temporomandibular Joint. 2009.9.19. Seoul.
4. Masayuki Hideshima, Hiroshi Mizutani, Tomohiro Ando, Darline Destine, Shin Ishikawa, Shinya Matsuzaki, Hidetaka Sasaki, Akira Nishiyama, Daisuke Okusa, Aiichiro Ao, Kazuo Nakamura, Yoshimasa Igarashi. Effects of Dental Alloys and Magnetic Keeper on MRI. 8th International Conference on Magnetic Applications in Dentistry. March 2 - March 20, 2009

Lecture

1. Kino K. New strategy and tactics for treatment of temporomandibular disorders in our clinic. The 1st Asian Academic Congress for temporomandibular joint, 2009.9.19.