

Complete Denture Prosthodontics

1. Staffs and Students (April, 2009)

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2. Purpose of Education

Complete denture prosthodontics is a discipline which contributes to better quality of life for edentulous patients by full mouth reconstruction treatments with complete denture prosthesis. The purpose of education is to get the knowledge about the dynamic state of soft tissues around dentures during oral functions, occlusion, and technical skills required to fabricating complete dentures.

3. Research Subjects

- 1) Relationship between denture treatment and body function
- 2) Palatal coverage disturbance in masticatory function
- 3) Stress analyses of implant overdenture
- 4) Factorial analysis of complete denture prosthesis
- 5) Resilient denture lining material
- 6) CAD/CAM system for fabricating complete dentures
- 7) Evaluations of masticatory performance using color-changeable chewing gum

4. Clinical Services

Complete denture prosthodontics clinic provides edentulous patients with planned prosthodontic treatments, and maintains the restored function for long periods. In addition, we set original criteria and objectively evaluate effect of our prosthetic treatments.

5. Publications

Original Article

1. Kamiyama M, Kanazawa M, Fujinami Y, Minakuchi S. Validity and reliability of a Self-Implementable method to evaluate masticatory performance: use of color-changeable chewing gum and a color scale. *J Prosthodont Res.* 2010; 54(1):24-8.
2. Okubo M, Fujinami Y, Minakuchi S. The effect of complete dentures on body balance during standing and walking in elderly people. *J Prosthodont Res.* 2010; 54(1): 42-7.
3. Kumamoto Y, Kaiba Y, Imamura S, Minakuchi S. Influence of palatal coverage on oral function - oral stereognostic ability and masticatory efficiency. *J Prosthodont Res.* 2010; 54(2): 92-6.
4. Sumi Y, Ozawa N, Nagaosa S, Minakuchi S, Umemura O. Application of optical coherence tomography (OCT) to nondestructive inspection of dentures. *Arch Gerontol Geriatr.* 2010 Dec 14 (Epub)