

大阪大学臨床医工学融合研究教育センター(MEI)センター
グローバルCOE「医・工・情報学の融合による予測医学基盤創成」
—*in silico medicine* を指向したオープンプラットフォームの構築—

グローバルCOEプログラム

■ 若手研究者短期留学・滞在 ■

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- 所属 ■ School of Stomotology, the Fourth Military Medical University
- 身分 ■ Fulltime PhD Student
- 滞在期間 ■ 31 日間 (2011/3/1~3/31)
- 受入先 ■ 大学院歯学研究科 准教授 小野 高裕

■ 報告 ■

It's a wonderful time for me from March 1, 2011 to March 31, 2011, as I had a happy learning experiences in Graduate School of Dentistry, Osaka University, Japan.

Thanks for Prof. Ono's warm welcome and sincere help with which I can acclimatize to the surroundings, orient to the learning environment as well as acquaint the members in our group very quickly.

During this period, I studied about the basic knowledge of sensing system which was newly developed for measuring tongue pressure during swallowing and tried to manage it preliminarily. In addition, for investigating the sophisticated relationship of tongue pressure and larynx, I participated in an preliminary research on healthy subjects about "the coordination between tongue pressure and laryngeal movement during swallowing" which is initiated by Dr. Tamine. From the research, I realized that being serious and pragmatic at work is very important because the collected data is useful for the survey, treatment, rehabilitation and care of the patients with dysphagia, stroke or other



neurologic disorders in the future. Also, from Dr. Sakagami's research of "influence of jaw clenching on the systemic circulation during lower limb exercises", I knew that there is a close relationship between masticatory ability and system blood dynamics when people are doing physical exercise.

Additionally, I introduced to the members of our group about the development of the school of stomatology and my research in China. They showed great interests to them. As I wanted to do further research and communication with scholars from Osaka University, so I was preparing for the second stay and study in Osaka University.

Apart from the above researches I learned from the scholars in Osaka University, I also had chances to visit the places of interests in Osaka city, such as Osaka Castle, Shinsaibashi and Osaka Expoland. But it's a pity that I have to leave Japan before the sukura blossoms. I hope I will be lucky next time.

At last I would like to thank Osaka University and all the members of school of dentistry, especially I would like to thank Professor Ono for giving me the opportunity to work with him. They are all kind and warm-hearted. I hope our research collaboration could continue and create some excellent results.

