Oral Implantology and Regenerative Dental Medicine

1. Staffs and Students (April 2009)

Professor Shohei KASUGAI
Associate Professor Makoto SHIOTA
Junior Associate Professor Noriko TACHIKAWA
Assistant Professor Hisatomo KONDO (- July 2009) Shinji KURODA,
Motohiro MUNAKATA (Nov 2009 -)

Technician Michiko SUZUKI

Dentists Yoko YAMAGUCHI, Hidemi NAKATA, 
Aoi SAKUYAMA, Toru KANAI, 
Yuki SHIMIZU, Hiroshi KOBAYASHI, 
Takahiro NAKAMURA

Graduate Students Maho OZEKI (-March), Kazuhiro KON (-March), 
Tetsu MACHIDA (-March), Katsuhiro MARUO (-March) 
Norihide UENO, Junhi PARK, 
Myat NYAN, Hudieb, Malik Ismail, 
Junichi KIMURA, Yuki DATE, 
Kanako NORITAKE, Takayuki MIYAHARA, 
Robiani, Hisham, Jia HAO, 
Reena RODORIGUEZ, Tokuo AKINO, 
Tomoko NAGAYAMA, Masaki FUJII, 
Akiko FURUICHI, Ossama ZAKARIA, 
Shang GAO, Masahiro SHIMOGISHI, 
Kang CHEN, Yasunobu HADA, 
Maruwa MADI (October-)

2. Purpose of Education

Currently, oral rehabilitation with dental implant is very effective and predictable. It is absolutely important for the dental student to understand dental implant treatment compared to other modalities. Nine hours lectures for the 5th year dental students are the introduction part. Each of these students has a chance to see patient examination process and several steps of treatment planning for half a day in the dental implant clinic. Furthermore, each of the 6th year students have a chance to see surgical procedures, prosthodontic treatments and maintenance procedures. In the residential program, we accepted 20 dentists and teach them more advanced contents of dental implant treatment.

In the doctoral course of Implantology, biomaterial sciences, structural engineering, anatomical structures, diagnosis and technical innovations are overviewed. In the doctoral course of Regenerative Dental Medicine, tissue engineering concept, regeneration of soft tissue and bone and recent technological advancements in these field are overviewed.

3. Research Subjects

- Materials and structures of dental implant prostheses
- Implant design and surface modification of dental implant
- Dental implant and its surrounding tissues
- Regeneration of soft tissues
- Regeneration of bone

4. Clinical Services

In Dental Implant Clinic in the dental hospital, we treat partially or fully edentulous patients with dental implants. If soft tissue management and/or bone augmentation procedures are required, we also do these surgeries. Number of patients in Dental Implant Clinic is increasing every year and approximately 120 patients per day are treated, which is extremely over our capacities. Approximately 1,800 implants were installed in 2009. As dental implant clinic of TMDU, patients with some problems, who are treated by other dentists, are increasing and this is a great concern.
5. Publications

Original Articles


