Oral Implantology and Regenerative Dental Medicine

1. Staffs and Students (April 2012)

Professor  Shohei KASUGAI
Associate Professor  Makoto SHIOTA
Associate Professor (Lecturer)  Noriko TACHIKAWA
Assistant Professor  Shinji KURODA.
Clinical Professor (Faculty of Dental)  Toshiro SUGAI
Clinical Visiting Associate Professor  Kouji HAGINO
Clinical Visiting Instructor  Tunezi OKADA
Visiting Lecturer (Graduate School)  Hideaki KATSUYAMA, Takashi OTSUKA,
Yuzou TAKAHASHI,
Visiting Lecturer (Faculty of Dental)  Sawako YOKOYAMA, Tatsuya FUJIMORI,
Nariyuki MAEZAWA, Hisatomo KONDO,
Hidemichi KIHARA, Toru KANAI,
Maho OZEKI, Katsuhiro MARUO,
Daisuke SATO, Yuki DATE
Dentists in Dental Implant Clinic  Hidemi NAKATA, Aoi SAKUYAMA,
Takahiro NAKAMURA, Hiroshi KOYABAYA,
Maho AKATSUKA, Kazuhisa TSURUMI,
Ai YAMAMOTO, Kei FUCHIGAMI,
Specially Appointed Assistant Professor  Osama ZAKARIA
Graduate Students  Shang GAO, Masahiro SHIMOGISHI,
Kang CHEN, Ken YUKAWA,
Marwa MADI Ibrahim, Maiko YAMAMOTO,
Kaori TAKAYA, Zayar LIN,
Miao YU, Pluemsakunthai WARUNEE,
Yu YAMASHITA, Yuki KUSUMOTO,
Minoru SANDA, Taiji HAMADA,
Hiroki MAEDA, Munemitsu MIYASAKA,
Kui ZHANG, You-kyoung KIM,
Kuppusamy MAHESWARI, Mizuki SATO,
Masaki SHIBASAKI, Tsuyoshi MATSUURA,
Songtao Wu, Xin WANG,
Khaing Nyein Soe, Moe Htet
Clinical research Student  Shuichi KOYAMA, Takayuki KOMATSU,
Hitoshi SAITO, Tadamasa YOSHIDA,
Takaki KITAZUME, Toshimitu SHIGEMATSU,
Toshihiko MORIKAWA, Kazuhiro INOUE,
Takeshi WATANABE, Noriko OSADA,
Kensuke FUKUTOMI, Shuuko TAKEYAMA,
Hiroko HAYASHI, Arihiro IWATA,
Kilwoo AHN, Narumi SATO,
Yoshiko YOKOYAMA, Haruka KUBOTA,
Chiharu IMAKITA, Masahiro ISHIWATA,
Tomoya MATSUMOTO, Hidekazu KOTAKE,
Haruka ITOH, Gou INOUE,
Seiji OHARA, Akihiro SUZUKI,
Tatsuya HOTTA, Norio AKINO,
Tomoko NAGAYAMA, Masaki FUJII,
Akiko FURUICHI, Takayuki MIYAHARA,
Ding LIN
Foreign research Student  Hao JIA
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 9 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 2,000 implants were installed in 2012. Patients with some clinical problems, who are treated in other clinics, are increasing and this is a great concern.

5. Publications

Original Articles


6. Conference Presentation


11. Kusumoto Y, Kon K, Munakata M, Nakamura T, Tachikawa N, Shiota M, Kasugai K : Clinical outcome of sinus bone augmentation without graft; radiological analysis. Annual Scientific Meeting of the European Association of
Oral Health Sciences


