Cariology and Operative Dentistry

1. Staffs and Students (April, 2012)

Professor
Junji Tagami

Associate Professor
Masayuki Otsuki, Yoshiyuki Sasaki

Junior Associate Professor
Toru Nikaido, Masatoshi Nakajima

Assistant Professor
Takako Yoshikawa, Yasushi Shimada,
Yuichi Kitasako, Ryuzo Kishikawa,
Go Inoue, Eitetsu Cho,
Keiichi Hosaka, Tomohiro Takagaki,
Naoko Harada

Specially Appointed Junior Associate Professor (GCOE)
AliReza Sadr

Specially Appointed Junior Associate Professor
Shoji Nakashima

Specially Appointed Assistant Professor
Noriko Hiraishi

Specially Appointed Assistant Professor
NHM Khairul Matin

Hospital Staff
Masahiro Takahashi, Rena Takahashi,
Oto Aramaki, Hidenori Hanba,
Tomoko Maeda

Secretary
Shiori Ogi, Miura Noriyo Miura

Graduate Student
Tomoyuki Takai, Hamid Nurrohman,
Amir Nazari, Ilnaz Hariri,
Taweesak Prasansuttiporn, Kanako Imai,
Yumi Imamura, Sachiko Utaka,
Iori Gando, Masaru Kirihara,
Emi Kuribayashi, Wakae Sakano,
Hitomi Mita, Turki Abdulsam Bakhsh,
Gerardo Jose Joves Mendez, Suppason Thittaweerat,
Turki Abdul Sam Bakhsh, Azusa Tanaka,
Kiminori Kinose, Mona Mohammad Mandura,
Md. Sofiqu Islam, Haisaich Nakagawa,
Haidil Akmla Mahdan, Ena Lodha,
Upoma Guha, Shigeyuki Nagai,
Naoko Matsui, Ikumi Wada,
Yumiko Uesugi, Nariaki Yoshimine,
Emi Oshima, Ornnicha Thanatvarakorn,
Alaa Turkistani, Teerapong Mamanee,
Sahar Jameel Khunkar, Ka Kyou,
Junichi Shinagawa, Rena Oguro,
Takahide Ibusuki, Asami Aida,
Ayaka Chiba, Kei Horie,
Tomoka Ueno, Hiroki Tezuka,
Kento Sato, Takaaki Sato,
Masami Arai, Maria Nakamura,
Ritsuko Mashiko, Alaa TURKISTANI,
Teerapong, MAMANEE, Sahar Jameel KHUNKAR,
KONG Kalyan, Baba BISTA, Maria Jacinta Rosario Hernandez ROMERO

Research Student
Shinji Ogura, Mineo Kijima,
Yuichiro Mitsui, Ayaka Kusanagi

Intern
Masahiro Ono, Kanako Shida

2. Purpose of Education
Cariology and Operative Dentistry section offers a four-year graduate program. First-year graduate students attend lectures and seminars given in the graduate school and are expected to gain an understanding of the fundamentals about
methodology and the knowledge necessary for their research. The contents of the classes given in our section include topics related to cariology and operative dentistry: caries diagnosis, biocompatibility, caries treatment and restoration, prevention and control, dental materials, new instruments and equipment. In keeping with the internationally orientated philosophy of this section, lectures are conducted in English and are open to all foreign students. First-year graduate students also undergo clinical training the procedures of modern adhesive restorations. Laboratory work, which commences in the first year, is performed under the supervision of our faculty staff. During the four-year program, several papers are required to be presented in domestic and/or international conferences and submitted to journals. The minimum requirements are completing the prescribed courses, a supervised research project and a dissertation for the degree published in a top international journal.

3. Research Subject
Mechanism of dentin bonding
Adhesive of resin restoration systems to tooth substance and other restorative materials
Structure, diagnosis and treatment of dentin caries
Physico-chemical and manipulative properties of restorative materials
Durability of restorative materials
Compensation of resin composite polymerization contraction stress
Pulpal response to restorative materials
Improvement of various restorative techniques for direct and indirect restorations
Improvement of various esthetic treatment techniques
Caries risk assessment and prevention of recurrent caries
Development and introduction for clinical works of OCT (Optical coherence tomography)

4. Clinical Service
Operative Dentistry clinic provide restoration of teeth with fillings for dental cavities, trauma and tooth wear, and root canal treatments.

5. Publications
Original Articles


6. Review Articles


Books

