

Anesthesiology

Director NISHIWAKI, Kimitoshi (Professor)

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Extensive pain treatment as well as surgical anesthesia and surgical intensive care

We perform surgical anesthesia and perioperative systemic management and provide medical care in the pain clinic mainly targeting chronic pain.

Medical Care System

The department consists of 34 members. We provide general anesthesia, epidural anesthesia, and spinal anesthesia for all patients undergoing surgery or examinations for 24 hours. The pain clinic is open for outpatients on Mondays, Wednesdays, and Fridays and the clinic also provides inpatient medical care. We also play an active role in the management of the Surgical Intensive Care Unit.



Target Disease

Surgical anesthesia is provided for all diseases that require it. The pain clinic treats patients with all diseases with pain, mainly chronic pain, such as postherpetic neuralgia, CRPS, and trigeminal neuralgia. The surgical intensive care unit provides systemic management of severely ill perioperative patients.

Strong Fields

We actively perform peripheral nerve block under ultrasonographic guidance both in surgical anesthesia and in the pain clinic. In the pain clinic, we perform spinal cord electric stimulation therapy, nerve block using high-frequency thermocoagulation, and various other nerve blocks.



Clinical Results

The number of cases where this department was in charge of the surgical anesthesia was 5,800 in fiscal year 2011. The pain clinic treated 30 outpatients a day and three inpatients at one time.

Specialized Outpatient Clinic

We provide cancer treatment at a dedicated outpatient clinic as well as clinical examination prior to surgery.

Advanced Medicine and Research

We conduct many research such as neurogenic pulmonary edema, the effect of anesthetics on vascular endothelial cells, heart rate variability, and postoperative analgesia after peripheral nerve block under ultrasonographic guidance.



Oral and Maxillofacial Surgery

Director UEDA, Minoru (Professor)

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Research on regenerative medicine and advanced medicine such as implant treatments

We address the application of advanced medicine including regenerative medicine in dental practice. We accept patients with all oral surgery diseases.

Medical Care System

Both new patients and revisit patients are accepted on weekdays. New patients are accepted until 11:00 a.m. Consultation with a dentist basically requires a prior appointment.



Target Disease

Atrophy and defect of the alveolar bone, oral neoplasia (e.g. gingival cancer, tongue cancer), cleft lip and palate, jaw deformity (e.g. mandibular prognathism, microgenia), temporomandibular arthrosis, cystic disease, injury of the maxillofacial area, impacted tooth, dental treatment requiring systemic management, and other diseases (e.g. perimaxillary inflammation).



Strong Fields

Bone regenerative treatment such as tissue-engineered bone regeneration for atrophy and defects of the alveolar bone, implant treatment for loss of teeth, mandibuloplasty for jaw deformity, and multimodality therapy in which superselective arterial infusion chemotherapy is applied to oral cancer.

Clinical Results

Tissue-engineered bone regeneration in two patients, implant replacement in 31 patients, superselective arterial injection chemotherapy in two patients, surgery for jaw deformity in 95 patients, cleft lip and palate surgery in seven patients, benign tumor in 10 patients, and malignant tumor in 43 patients.

Specialized Outpatient Clinic

Minor oral surgeries such as impacted tooth extraction are conducted on Monday and Tuesday afternoons. Implant outpatients are accepted on Thursday afternoons and temporomandibular joint and tumor outpatients are accepted on Fridays. Doctors provide medical care related to his/her specialized field in the morning.

Advanced Medicine and Research

Alveolar bone atrophy requiring bone grafting is treated with implant dentures as advanced medicine. Researches on regenerative medicine such as tissue-engineered bone regeneration using bone marrow stem cells have been aggressively progressed.

