Outline

The mission of the pediatric dentistry is to promote healthy oral environment of children and patients with special needs, through clinical care and education. Besides patient care and education, research is an important component of the Division of Pediatric Dentistry. Graduate student in the pediatric dentistry program must complete an approved research project leading to a paper of publishable quality during the student period. Our division research fields are as follows.

Faculty members

Professor and Director; Masato Saitoh D.D.S., Ph.D.
Associate professor; Mina Hirose D.D.S., Ph.D.
Assistant professor/full-time lecturer; Yoshihito Kurashige D.D.S., Ph.D., Shoko Yahata D.D.S., Ph.D.
Assistant professor/research associate; Atsushi Fukuda D.D.S., Ph.D., Yukie Murata D.D.S., Ph.D., Daisuke Noro D.D.S., Ph.D., Maiko Otomo D.D.S., Ph.D., Yuji Murai D.D.S., Ph.D.,

Postgraduate students

Main research in progress

1) Analysis of Ca^{2+} signals in the dental epithelial cells.
2) Development of new materials for prevention of dental caries
3) Development of new materials for pulp therapy of primary and immature permanent teeth
4) Characterization of isolated the epithelial rests of Malassez cells
5) Functional Analysis of innate immunity in the oral mucosa
6) Remineralization of enamel at the time of initial dental caries
7) Effect of fluoride in dental caries prevention and oral health

Current publications