

# Pediatric Dentistry

Seminar/Lab./Clinic Academic year 1,2 credits  
2・2・10

[Keywords] Pediatric dentistry, growth and development, primary tooth, young permanent tooth, dental caries, prevention, dental trauma, malocclusion, behavior management

[Academics] Mina Hirose, Yoshishito Kurashige

## [Course aims]

The goal of this course is to prepare pediatric dentists who are proficient in providing primary and comprehensive preventive and therapeutic care for infants, children through adolescents. Topics covered in the course include: craniofacial growth mechanisms, development of the dentition, development of occlusion, early childhood caries, cariology and caries prevention, treatment of deep caries and pulp therapy, periodontal treatment, prevention and interception of malocclusion, space maintenance and regaining, behavior management, traumatic injuries to the dentition and treatment planning for the pediatric patient.

## [Course objectives]

The goal of this course are for students to be able to:

1. Explain the form, function and role of the primary tooth.
2. Explain dental caries prevention, treating dental caries, and treating dental trauma in the primary tooth and young permanent tooth.
3. Explain diseases affecting the oral soft tissues and their treatment in infants and children.
4. Estimate normal occlusion and malocclusion and explain the prevention and treatment of malocclusion.
5. Manage the oral health and prevention of dental caries.
6. Treat dental caries and dental trauma in the primary tooth and young permanent tooth.

## [Course content]

Class	Theme	Content	Academics
1	Lectures 1. Mental and physical growth and development in infants and children. 2. Craniofacial growth in infants and children. 3. Normal tooth development and odontogenesis imperfecta. 4. Normal occlusion and malocclusion in infants and children. 5. Disease of the periodontal tissue and oral soft tissues in infants and children.		Mina Hirose, Yoshishito Kurashige
2	Lectures and clinical practice 6. Dental caries prevention. 7. Treatment of dental caries (includes pulp therapy) in the primary tooth and young permanent tooth. 8. Treatment of oral and dental trauma in children.		Mina Hirose, Yoshishito Kurashige
3	Lecture 9. Management of the child's behavior during dental treatment.		Mina Hirose, Yoshishito Kurashige

## [Class implementation method]

Combination of face-to-face learning and distance learning

\* Class implementation depends on the implementation policy of each department (graduate school), interdisciplinary studies, and school.

[Grading policies]

Your overall grade in class will be decided based on class attendance, reports and case report.

[Textbook]

Students will be informed of which textbook to use.

[Reference book]

Students will be informed of which reference book to use.

[Remarks]

Include a clinical training

[Preparation for course]

Student must understand the course objectives and prepare appropriately for classes.