

## Advanced Course in Pediatric Dentistry I

Lecture/Lab./Clinic Academic year 1,2 credits  
2,4

[Keywords] Infants, children, pediatric dentistry, growth and development, dental caries, prevention, treatment, malocclusion, dental trauma, behavior management

[Academics] Mina Hirose, Yoshishito Kurashige

## [Course aims]

The goals of this program are to provide foundation knowledge and educational experience in pediatric dentistry. Topics covered in the course include: craniofacial growth mechanisms, craniofacial growth in relation to body growth, development of the dentition, development of occlusion, early childhood caries, cariology and prevention, treatment of deep caries and pulp therapy, periodontal treatment of the pediatric patient, prevention and interception of malocclusion, traumatic injuries to dentition, behavior management in pediatric dentistry.

## [Course objectives]

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

1. Understand and explain that children are not little adults.
2. Explain the growth and development of infants and children.
3. Explain the prevention and treatment of dental caries in primary young permanent teeth.
4. Explain the treatment of dental trauma in infants and children.
5. Explain normal occlusion and malocclusion in children.
6. Explain behavioral management of children during dental treatment.

## [Course content]

Class	Theme	Content	Academics
1	Lectures 1. Physical growth and development in infancy and childhood.		Mina Hirose Yoshishito Kurashige
2	Lectures 2. Mental growth and development in infancy and childhood		Mina Hirose Yoshishito Kurashige
3	Lectures 3. Physiological characteristics of infants and children.		Mina Hirose Yoshishito Kurashige
4	Lectures 4. Prevention and treatment of dental caries.		Mina Hirose Yoshishito Kurashige
5	Lectures 5. Normal and diseased periodontal oral soft tissues in infancy and childhood.		Mina Hirose Yoshishito Kurashige
6	Lectures 6. Normal occlusion and malocclusion in children.		Mina Hirose Yoshishito Kurashige
7	Lectures 7. Treatment of oral and dental trauma in children.		Mina Hirose Yoshishito Kurashige
8	Lectures 8. Behavioral management of children 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 and reports.

[Textbook]

Students will be informed of which textbook to use

[Reference book]

Students will be informed of which reference book to use

[Preparation for course]

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