

Advanced Course in Fixed Prosthodontics (part I: Crown)

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

[Keywords] Oral cavity function, jaw function, dental occlusion, mastication, crowns, examination, treatment plan

[Academics] Hideki Aita

[Course aims]

The aim of this course is to acquire the knowledge and skills necessary to undertake prosthodontic treatment with crowns through lectures and practical exercises. Additionally, students will gain experience from clinical training under the supervision of instructors, and learn the knowledge and techniques required for all steps of treatment from planning of the crowns through to treatment and maintenance.

[Course objectives]

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

1. Explain the definition and clinical significance of crown and bridge prosthodontics.
2. Explain the relationship between crown and bridge treatment and the health sciences.
3. Explain the advantages and disadvantages of crown and bridge treatment.
4. Explain the connection between evidence-based medicine and crown and bridge treatment.
5. Evaluate various tests of occlusion.
6. Assess mandibular function and occlusion.
7. Assess the condition of an abutment tooth.

[Course content]

Class	Theme	Content	Academics
1	Lectures on how to examine and make a treatment plan for crown and bridge treatment.		Hideki Aita
2	Simulated and actual examination of occlusion in a patient.		Hideki Aita
3	Simulation and actual examination of mandibular function in a patient.		Hideki Aita
4	Simulation and actual preparation of a patient's tooth.		Hideki Aita
5	Simulation and actual construction of an abutment in a patient.		Hideki Aita
6	Taking impressions of teeth from patients.		Hideki Aita
7	Taking bite records from patients.		Hideki Aita
8	Lectures to learn about the mutual importance of in vitro and in vivo studies.		Hideki Aita
9	Taking part in grand rounds.		Hideki Aita
10	Gathering to read and discuss papers on basic or clinical research.		Hideki Aita

[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.