

Advanced Course in Fixed Prosthodontics ( part II: Bridge )

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

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

[Academics] Hideki Aita

[Course aims]

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

[Course objectives]

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

1. Explain how to use various articulators.
2. Explain facebow transfer and the check-bite method.
3. Fabricate a provisional restoration (temporary crown and bridge).
4. Try in and seat a bridge.
5. Fabricate a three-unit fixed bridge.
6. Explain the factors involved in failure of a crown and bridge (breakage or loss)
7. Perform comprehensive fixed prosthodontic treatments tailored to a case.

[Course content]

Class	Theme	Content	Academics
1	Simulation of facebow transfer and the check-bite method and performing these in patients.		Hideki Aita
2	Simulation and actual preparation of a bridge for a patient.		Hideki Aita
3	Taking impressions and bite records from patients.		Hideki Aita
4	Fabrication of a provisional restoration (temporary crown/bridge) and deliver it to the patient.		Hideki Aita
5	Trying in and seating of a crown and bridge in a patient.		Hideki Aita
6	Lecture on how to write a paper and how to present it at an academic conference.		Hideki Aita
7	Participation in grand rounds.		Hideki Aita
8	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, reports, a case presentation, and demonstration of dental prosthesis fabrication skills.

[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.