

Advanced Course in Oral and Maxillofacial Tissue  
Reconstructive Surgery

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

[Keywords] Oral and maxillofacial region, reconstructive surgery, structure and function

[Academics] Tsuyoshi Shimo

[Course aims]

The aims of this course are to understand the structure and function of the oral and maxillofacial region, to study causes, pathology, symptom, diagnosis, treatment, and prognosis of oral and maxillofacial deformity, and to learn the treatment plan and the surgical procedure for patients with oral and maxillofacial deformity. The advanced course I mainly provides with deformity/deformation, temporomandibular joint disease after resection for benign or malignant tumors in the oral and maxillofacial region.

[Course objectives]

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

- (1) Explain deformities of the oral and maxillofacial region.
- (2) Explain the diagnosis and treatment of these deformities.
- (3) Explain the diagnosis and treatment of temporomandibular joint disease.
- (4) Explain the materials used in reconstructive surgery for the oral and maxillofacial region.
- (5) Explain tissue engineering for reconstructive surgery in the oral and maxillofacial region.
- (6) Explain the surgical procedures used in reconstructive surgery after resection of benign or malignant tumors in the oral and maxillofacial region.
- (7) Assess the structure and function of the oral and maxillofacial region after reconstructive surgery.

[Course content]

Class	Theme	Content	Academics
1	Pathogenesis, diagnosis and treatment of deformity in the oral and maxillofacial region.*		Tsuyoshi Shimo
2	Diagnosis and treatment of these deformities.		Tsuyoshi Shimo
3	Diagnosis and treatment of temporomandibular joint disease.		Tsuyoshi Shimo
4	Materials used in reconstructive surgery for the oral and maxillofacial region.		Tsuyoshi Shimo
5	Tissue engineering used in reconstructive surgery for the oral and maxillofacial region.		Tsuyoshi Shimo
6	Procedures used in reconstructive surgery after resection of benign or malignant tumors in the oral and maxillofacial region.		Tsuyoshi Shimo
7	Assessment of the structure and function of the oral and maxillofacial region after reconstructive surgery.		Tsuyoshi Shimo

[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]

Class attendance and oral or written examination.

[Textbook]

Further notice

[Reference book]

Further notice

[Remarks]

Includes practice in the treatment room for outpatients and in the operating room for inpatients.

[Preparation for course]

Students must learn general remarks before attendance in classes.