

[Keywords] Operative dentistry, endodontology, periodontology

[Academics] Takashi Saito, Tomofumi Kawakami, Shuichi Ito

## [Course aims]

Conservative dentistry is a discipline concerned with the maintenance and promotion of oral function and health by morphologic and functional recovery of teeth and periodontal tissues achieved by prevention, diagnosis and treatment of disease affecting oral hard tissues and periodontal tissues. It consists of operative dentistry, endodontology and periodontology. The aims of this course are for students to acquire the knowledge and skills necessary to undertake basic and clinical research in conservative dentistry, to deepen your understanding of methods of examination, prevention, diagnosis, treatment and maintenance for caries and other oral hard tissue diseases, diseases of the pulp and periapical tissues, and periodontal diseases through lectures and laboratory training, and to acquire the knowledges and skills necessary for appropriate conservative treatment in individual cases through clinical training for the purpose of becoming a specialist.

## [Course objectives]

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

1. Explain the causes of caries and other oral hard-tissue diseases, and diseases of the pulp and periapical tissues.
2. Understand and implement methods of examination and diagnosis for caries and other oral hard tissue diseases, and diseases of the pulp and periapical tissues.
3. Explain the concept of minimal intervention.
4. Understand and implement methods for prevention of caries and other oral hard tissue diseases, and diseases of the pulp and periapical tissues.
5. Understand and implement methods for treatment and prevention of caries and other oral hard tissue diseases, and diseases of the pulp and periapical tissues.
6. Understand and implement the procedures used in basic and clinical research for conservative dentistry.

## [Course content]

Class	Theme	Content	Academics
1	Learn about causes of and methods for examination and diagnosis of caries, other oral hard tissue diseases, and diseases of the pulp and periapical tissues.		Takashi Saito Tomofumi Kawakami Shuichi Ito
2	Learn about the concept of minimal intervention.		Takashi Saito Tomofumi Kawakami Shuichi Ito
3	Learn about the practicalities of in vitro research and related analytical methods.		Takashi Saito Tomofumi Kawakami Shuichi Ito
4	Learn about the practicalities of in vivo research and related analytical methods.		Takashi Saito Tomofumi Kawakami Shuichi Ito
5	Learn about presenting at scientific conferences and writing papers.		Takashi Saito Tomofumi Kawakami Shuichi Ito
6	Hold a journal club.		Takashi Saito Tomofumi Kawakami Shuichi Ito

Class	Theme	Content	Academics
7	Hold a clinical conference.		Takashi Saito Tomofumi Kawakami Shuichi Ito
8	Hold seminars taught by external lecturers.		Takashi Saito Tomofumi Kawakami Shuichi Ito
9	Participate in an academic conference.		Takashi Saito Tomofumi Kawakami Shuichi Ito
10	Practical training in conservative dentistry using dental model comes with extracted teeth or artificial teeth.		Takashi Saito Tomofumi Kawakami Shuichi Ito
11	Perform conservative treatment on patients under care.		Takashi Saito Tomofumi Kawakami Shuichi Ito

[Class implementation method]

Combination of face-to-face learning and distance learning

Class implementation depends on the implementation policy of each department (graduate school) or 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

[Remarks]

Students must experience at least half of the clinical cases needed to become a specialist.

[Preparation for course]

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