

[Keywords] Dental anesthesiology, anesthesiology, pain clinic

[Academics] Makoto Terumitsu

[Course aims]

Due to the changes in demographics, the importance of appropriate systemic management has been recognized in dentistry. The dental anesthesiology deals with this area. More specifically, our practice area includes general anesthesia, sedation, monitoring, pain clinics, and emergency response. We consider training in dental anesthesiology to be useful for future private practice in a dental clinic, especially from the standpoint of medical safety. The student will be required to learn secure airway management and will receive training in systemic management, including general anesthesia and sedation for dentistry. The aims of the course are to gain the experience needed in patient care to acquire certification from the Society of Japanese Dental Anesthesiology, and to obtain the knowledge and skills needed to conduct basic and clinical investigations.

[Course objectives]

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

- (1) Perform a preoperative evaluation and develop an adequate anesthetic plan.
- (2) Explain the comorbidities that influence dental care, and undertake a medical consultation with specialists if needed.
- (3) Take informed consent appropriately from a patient and/or caregiver.
- (4) Administer intravenous sedation under the guidance of a dental anesthesia specialist.
- (5) Administer general anesthesia under the guidance of a dental anesthesia specialist.
- (6) Perform respiratory management in patients after major surgery until weaning.
- (7) Provide information about a pain clinic.
- (8) Explain and teach from the international guideline for cardiopulmonary resuscitation.
- (9) Undertake clinical research in the field of dental anesthesiology.
- (10) Gain experience with the number of cases needed to acquire board certification from the Japanese Society of Dental Anesthesiology.

[Course content]

Class	Theme	Content	Academics
1	Discuss anesthesia cases with dental anesthesia specialists and taking of informed consent.		
2	Administer intravenous sedation to patients.		
3	Administer general anesthesia and provide postoperative care		
4	Administer nerve blocks to pain clinic patients.		
5	Present cases at a conference.		
6	Read and present original papers.		
7	Deliver a presentation at a scientific meeting.		
8	Write case reports for the official journal of the Japanese Society of Dental Anesthesiology to meet the requirements for board certification.		
9	Organize a cardiopulmonary resuscitation course for students and employees.		

[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 will be decided based on attendance and performance in the operating theater.

[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 the classes.