

[Keywords] collaboration between dentists and dental care professionals, systemic diseases, dental diseases

[Academics] Separately known

[Course aims]

With advances in medicine, many aging patients with severe diseases are now able to maintain their daily lives for a longer period of time. In addition, collaboration between dentists and dental care professionals has been a topic of research, and a number of reports have provided evidence for the impact of oral diseases on systemic health. This course will deepen the student's understanding of the pathological aspects and implications of systemic health conditions (such as diabetes mellitus and arteriosclerosis) on periodontal diseases, as well as the involvement of dental diseases in systemic conditions, such as the effect of bisphosphonates on osteonecrosis of the mandible, aspiration pneumonia and its prevention, and infectious endocarditis.

[Course objectives]

The goals of this course are for the student to be able to:

1. Explain the implications of systemic health conditions (such as diabetes mellitus and arteriosclerosis) on periodontal diseases.
2. Explain the mechanism of the development of mandibular osteonecrosis involving bisphosphonates
3. Explain aspiration pneumonia and its prevention.
4. Explain dental factors contributing to the development of infective endocarditis
5. Other

[Course content]

Class	Theme	Content	Academics
1	The implications of systemic health conditions (such as diabetes mellitus and arteriosclerosis) on periodontal diseases		
2	Bisphosphonates and the mechanism of development of mandibular osteonecrosis		
3	Aspiration pneumonia and its prevention.		
4	Dental factors contributing to the development of infective endocarditis		
5	Other		

[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]

Evaluations will be based on attendance status and diagnostic reports

[Textbook]

Will be indicated during class.

[Reference book]

Same as above

[Preparation for course]

Goals will be presented beforehand, and students are expected to prepare for the lessons by using reference literature and textbooks pertaining to dental or other related medical fields.