

Geriatric Dentistry

Seminar/Lab./Clinic Academic year 1,2 credits
2・2・10

[Keywords] Demographics, aging, geriatric dental treatment, dysphagia, oral health care, in-home dental treatment

[Academics] Hideki Aita, Yoshifumi Toyoshita

[Course aims]

This course is aimed at becoming qualified as a geriatric specialist authorized by the Japanese Society of Gerodontology. This program is designed to foster excellent dentists with adequate knowledge, techniques, and behavior for geriatric dental treatment.

The maintenance of stomatognathic function is essential for healthy and high-quality life in the elderly. It is necessary to understand the physical and psychological nature of the elderly. The signs associated with aging are also seen everywhere in the stomatognathic system. Tooth loss seems to be related to aging factors, which can spoil the health of the elderly due to depressed homeostatic function. Moreover, knowledge about whole body management and pharmacokinetics is required for geriatric dental treatment, which is emphasized in the super-aged society in terms of the dysphagia and oral health care related to aspiration pneumonia, mastication, and with a contribution in, e.g., rehabilitation after stroke

[Course objectives]

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

1. Explain the demographics and aging theory.
2. Explain the physical and psychological nature of the elderly.
3. Explain whole body management and pharmacokinetics.
4. Practice geriatric dental medicine.
5. Provide oral health care with an understanding of its importance.
6. Examine the patient with dysphagia all through the stages of swallowing.
7. Provide dental treatments for the in-home and institutionalized elderly.

[Course content]

Class	Theme	Content	Academics
1	The demographics of aging.		Hideki Aita, Yoshifumi Toyoshita
2	The physical and psychological nature of the elderly.		Hideki Aita, Yoshifumi Toyoshita
3	Systemic disease in the elderly.		Hideki Aita, Yoshifumi Toyoshita
4	Whole body management and pharmacokinetics.		Hideki Aita, Yoshifumi Toyoshita
5	Oral health and oral care.		Hideki Aita, Yoshifumi Toyoshita
6	Dental treatments for the patient with dysphagia.		Hideki Aita, Yoshifumi Toyoshita
7	Essentials of geriatric dental treatment.		Hideki Aita, Yoshifumi Toyoshita
8	Dental treatments for in-home and institutionalized elderly.		Hideki Aita, Yoshifumi Toyoshita

[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 and reports.

[Preparation for course]

(2026年度・大学院 歯学研究科 Graduate school of Dentistry)

Students must understand the clinical guidelines released by the Japanese Society of Gerodontology and Japan Prosthodontic Society in advance.