

[Keywords] oral pathology, oral pathologists, pathological diagnosis

[Academics] Yoshihiro Abiko, Jun Sato, Koki Yoshida

[Course aims]

Pathological laboratory tests are not only aimed at determining the name of a disease and the final diagnosis of the stage of the disease on the basis of excised lesions, but also play an important role in providing essential information in order to offer good quality dental care in terms of the determination of therapeutic strategies, as well as the determination of the therapeutic effect and prognosis.

In various dental care facilities, oral pathologists are responsible for cytodiagnosis, biopsy, rapid intraoperative diagnosis, pathological diagnosis of surgical samples, and pathological autopsy. Since April 2008, the term “Department of Pathological Diagnosis” has been recognized as the official name of the department; the need for pathological diagnosis has increased.

The purpose of this course is to provide the knowledge and skills that are necessary in oral pathological diagnosis, and to educate clinically competent oral pathologists.

[Course objectives]

1. Be able to understand and explain various diseases of the oral cavity, on the basis of general theories in pathology
2. Acquire sufficient knowledge on systemic disease-related lesions,
3. Understand and acquire skills in various sample preparation methods needed in pathological diagnosis
4. Understand the theory behind various staining methods that are necessary for diagnosis, as well as the purpose of their application.
5. Acquire knowledge and skills pertaining to autopsy (acquisition of qualification in autopsy).

Based on the above, the final goal is to acquire the ability to diagnose, and to provide good quality pathological information, as needed in clinical care.

[Course content]

Class	Theme	Content	Academics
1	Seminars on general pathology	including the fundamentals of pathological diagnosis	Yoshihiro Abiko Jun Sato Koki Yoshida
2	Oral pathology seminars	including odontogenic diseases, and diseases specific to the oral cavity	Yoshihiro Abiko Jun Sato Koki Yoshida
3	Training aimed at learning the theories and techniques involved in various testing methods needed for the preparation of samples and pathological diagnosis	1) Cytodiagnosis (sample collection methods, sample fixation methods, various staining methods, and the basics of specimen observation) 2) Histological diagnosis (sample processing, sample excision, sample preparation, hematoxylin-eosin staining, and observation of specimens) 3) Frozen specimens and electron microscope specimens (sample processing, sample preparation, and staining methods) 4) Various special staining procedures and immunohistochemical staining methods (purpose, theory, basic procedures, and evaluation methods)	Yoshihiro Abiko Jun Sato Koki Yoshida
4	Pathological diagnosis using anamnestic cases, and practical training on report writing		Yoshihiro Abiko Jun Sato Koki Yoshida
5	Practical training in autopsy, conducted in affiliated hospitals		Yoshihiro Abiko Jun Sato Koki Yoshida

Class	Theme	Content	Academics
6	In addition to the above, this course includes training on the theory and techniques in specialized oral pathological diagnosis.		Yoshihiro Abiko Jun Sato Koki Yoshida

[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, clinical training reports and diagnostic reports.

[Textbook]

Will be indicated during class.

[Reference book]

Same as above

[Preparation for course]

Students are expected to prepare for the lessons by using reference literature and documents relevant to the study, on the basis of goals which will have been presented beforehand.