

Diagnostic Oral Pathology

1. Staffs and Students (Apr. 2010)

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2. Purpose of Education;

The department of Diagnostic Oral Pathology is functioning as a central clinical laboratory for clinical examinations in the dental hospital, which deals with hematological, biochemical, bacteriological, histopathological samples, and human blood for autologous transfusion. The purpose of education is instructing the undergraduate students in the dental school, to solve the clinicopathological, histopathological problems and to get the advanced techniques for diagnoses. Main object of education to the graduate students in the diagnostic oral pathology are to provide them opportunities to study advanced researches and diagnostic skills for their studies. For example, immunohistochemical, and electron-microscopic techniques for scientific researches, hematological, and immunological methods are also involved. Another purpose of education is training young pathological doctors to get enough skills to make an accurate diagnosis of the biosy and operation materials.

3. Research Subjects;

1. Clinicopathological and histopathological studies of the various neoplastic lesions in the maxillofacial regions.
2. Clinico-bacteriological analysis of the infectious diseases in the orofacial regions.
3. Immunohistochemical and histopathological study of the various oral mucous membrane diseases.

4. Clinical Services;

The department of Diagnostic Oral Pathology provided the examination results of hematology(46,722 items in 2010), biochemistry and serumchemistry(210,442 items), bacteriology(8,141 items), and pathological examinations(2,660 samples). These results may contribute to accurate medical and dental treatments for the patients.

5. Publications;

Original Article

1. X.Yun, L.Wang, L.Cao, N.Okada and Y.Miki: Immunohistochemical study of β -Catenin and functionally related molecular markers in tongue squamous cell carcinoma and its correlation with cellular proliferation. *Oncology Letters* 1:437-443,2010.
2. T.Aragaki, Y.Michi, K.Katsube, N.Uzawa, N.Okada, T.Akasi, T.Amagasa, A.Yamaguchi and K.Sakamoto: Comprehensive keratin profiling reveals different histopathogenesis of keratocystic odontogenic tumor and orthokeratinized odontogenic cyst. *Human Pathology* 41:1718 – 1725, 2010.

Presentations of Scientific Posters

1. M.Ida, A.Tetsumura, A.Imaizumi, N.Ohbayasi, T.Kurabayasi and N.Okada: Clinical and radiological features of odontogenic carcinoma in 27 patients: Its impact on the initial clinical diagnosis. The 8th Asian Congress of Oral and Maxillofacial Radiology, Seoul, Korea. Nov. 14-16, 2010.