

ANNUAL PUBLICATIONS

Department of Clinical Laboratory

1993.1.-2000.3.

I. Staffs and Students (April, 1999)

Professor	T. Amagasa
Associate Professor	N. Okada

Hematological Division

Chief Technical Staff	K. Aso
-----------------------	--------

Pathological Division

Associate Professor	N. Okada
	T. Kayano
Research Associate	K. Katsube
	K. Sakamoto
Hospital Staff	Y. Kitamura
Technical Staffs	K. Nagumo
	S. Siraki
	M. Hamagaki
	H. Honda

Microbiological Division

Technical Staff	Y. Yamada
-----------------	-----------

Biochemical Division

Assistant Professor	T. Takagi
Technical Staff	A. Mizusima

Physiological Division

Professor	M. Hiraoka
-----------	------------

II. Educational Outline of Graduate Course

As our clinical laboratory is the one of the central clinical facilities of the dental hospital, dealing with many human materials from the various clinical departments, there is no graduate school student belonging to our department. As a educational systems, we are collaborating with some graduate school students specializing in pathology for the practice of histopathological diagnosis.

III. Research Subjects

- 1) Immunohistochemical studies of cell proliferating factors and apoptosis-related proteins in the odontogenic tumors.
- 2) The effect of iodide reaction as diagnostic aid in oral squamous cell carcinoma and leukoplakia.
- 3) Clinico-bacteriological study of MRSA infection in the dental hospital.
- 4) Hematological and biochemical studies of various oral lesions.

IV. Publications (January, 1993-March, 2000)

A. Original Articles

- 1) Kuboki, Y., Kanehira, T., Terada, K. Yamada, Y. and Tani, H.: Separation of Streptococcus mutans MT 8148 by hydroxyapatite column chromatography, new evaluation of bacterial adhesions. Jap J Oral Biol 36(1): 1-8, 1994.
- 2) Shibuya, H., Hoshina, M., Takeda, M., Matsumoto, S., Suzuki, S. and Okada, N.: Brachytherapy for stage & oral tongue cancer. Int J Radiation Oncology Biol Phys 26: 51-58, 1993.
- 3) Murata, Y., Yamada, I., Umehara, Y., Ishii, Y. and Okada, N.: The use of blood perfusion and pooling scintigraphy for evaluating hemangioma of the head and neck. J Nucl Med 38(6): 882-885, 1997.
- 4) Murata, Y., Yamada, I., Umehara, I., Okada, N. and Shibuya, H.: Diagnostic accuracy of technetium-99m-pertechnetate scintigraphy with lemon juice stimulation to evaluate Warthin's tumor. J Nucl Med 39(1): 43-46, 1998.
- 5) Umehara, I., Yamada, I., Murata, Y., Takahashi, Y., Okada, N. and Shibuya, H.: Quantitative evaluation of salivary gland scintigraphy in patients with Sjögren's syndrome: comparison with histopathologic grading at labial biopsy. J Nucl Med 40(1): 64-69, 1999.

- 6) Murata, Y., Ishida, R., Umehara, I., Ishikawa, N., Komatsuzaki, A., Kurabayashi, T., Ishii, Y., Ogura, I., Ishii, J., Okada, N. and Shibuya, H.: Gallium-67 whole-body scintigraphy in the evaluation of head and neck squamous-cell carcinomas. *Nuclear Medicine Communications* 20: 599-607, 1999.
- 7) Yin, H-F., Jamlikhanova, V., Okada, N. and Takagi, M.: Primary natural killer/T-cell lymphomas of the oral cavity are aggressive neoplasms. *Virchows Arch* 435: 400-406, 1999.
- 8) Xiao, J., Jiang, W-W., Okada, N. and Takagi, M.: Expression of transforming growth factor (TGF)- β 1 and its type and type receptors in carcinoma and leukoplakia of the tongue: immunohistochemical and immunoelectron-microscopic studies. *Oral Med Pathol* 4(2): 55-61, 1999.

B. Books

- 1) Okada, N.: Histopathological examination. In: *General and Oral Clinical Examination for Dental Practice*. edited by Michi, K. et al. Dental Diamonds, Tokyo, p.70-73, 1993 (in Japanese).
- 2) Okada, N.: Infectious lesion of oral mucosa In: *Atlas of Oral Pathology*. edited by Takagi, M., Bunkodo, Tokyo, p.123-124, 128, 130-132, 1998 (in Japanese).

C. Review Articles

- 1) Enxin, ZHU., Fan, J., Okada, N., Amagasa, T., Enomoto, S., and Takagi, M.: Clinical statistics of odontogenic tumors. *Dental Journal* 37(5): 555-560, 1993 (in Japanese).
- 2) Okada, N.: Histopathological and ultrastructural findings of the adenomatoid odontogenic tumor. *Dental Journal* 37(5): 748-752, 1993 (in Japanese).
- 3) Okada, N.: Pathological findings of mucoepidermoid carcinoma of the major and minor salivary glands. *Dental Journal* 41(1): 65-72, 1995 (in Japanese).
- 4) Abe, K., Yamada, Y., Okada, N., Endo, K., and Takahashi, N.: How is the room air contamination caused by the use of ultrasonic scaler in the dental office? *Journal of Dental Hygiene* 17(10): 949-954, 1997 (in Japanese).