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## PUBLICATIONS BY THE STAFF OF THE GRADUATE SCHOOL OF VETERINARY MEDICINE

### Laboratory of Anatomy

#### Original articles

- 1) Hayashi, M., Nishiya, H., Chiba, T., Endoh, D., Kon, Y. and Okui, T. 2007. Trientine, a copper-chelating agent, induced apoptosis in murine fibrosarcoma cells *in vivo* and *in vitro*. *J. Vet. Med. Sci.*, **69**: 131-142.
- 2) Kon, Y., Konno, A., Hashimoto, Y. and Endoh, D. 2007. Ovarian cysts in MRL/MpJ mice originate from rete ovarii. *Anat. Histol. Embryol.*, **36**: 172-178.
- 3) Yasui, H., Inanami, O., Asanuma, T., Iizuka, D., Nakajima, T., Kon, Y., Matsuda, A. and Kuwabara, M. 2007. Treatment combining X irradiation and ribonucleoside anticancer drug, TAS106, effectively suppresses the growth of tumor cells transplanted in mice. *Int. J. Rad. Oncol. Biol. Physics*, **168**: 218-228.
- 4) Khan, M. Z. I., Jahan, M. R., Islam, M. N., Haque, Z., Islam, M. R. and Kon, Y. 2007. Immunoglobulin (Ig)-containing plasma cells in the Harderian gland in broiler and native chickens of Bangladesh. *Tissue and Cell*, **39**: 141-149.
- 5) Konno, A., Takiguchi, M., Takada, K., Usami, T., Azumi, K., Kubota, H., Inaba, M., Saegusa, J. and Kon, Y. 2007. Identification of a quantitative trait locus regulating B cell-dominant infiltration into autoimmune sialitis lesions of the IQI mouse model of primary Sjögren's syndrome. *Immunogenetics*, **59**: 853-859.
- 6) Asanuma, T., Yasui, H., Inanami, O., Waki, K., Takahashi, M., Iizuka, D., Uemura, T., Durand, G., Polidori, A., Kon, Y., Pucci, B. and Kuwabara, M. 2007. A new amphiphilic derivative, N-[[4-(lactobionamido)methyl]benzylidene]-1, 1-dimethyl-2-(octylsulfanyl)ethylamine N-oxide, has a protective effect against copper-induced fulminant hepatitis in Long-Evans Cinnamon rats at an extremely low concentration compared with its original form alpha-phenyl-N-(tert-butyl)nitron. *Chem. Biodivers.*, **4**: 2253-2267.
- 7) Moustafa, G. G., Ibrahim, Z. S., Hashimoto, Y., Alkelch, A. M., Sakamoto, K. Q., Ishizuka, M. and Fujita, S. 2007. Testicular toxicity of profenofos in matured male rats. *Arch. Toxicol.*, **81**: 875-881.

#### Publications other than original articles

- 1) Kon, Y. 2007. Memories of emeritus professor Norio Kudo. *Acta Anat. Nipponica*, **82**: 127-128.
- 2) Hashimoto, Y., Kon, Y., Okumura, M. and Ito, S. 2007. Teaching veterinary medicine with minimum loss of animals live in the practical works. (in Japanese) *J. Clin. Vet. Med.*, **24**: 1-8.
- 3) Hashimoto, Y. 2007. Teaching veterinary anatomy in the far Eastern/European countries and the development with model specimens and multimedia programs. *BSVER*, **32**: 16-17.

### Laboratory of Physiology

#### Original articles

- 1) Gautam, S. H., Otsuguro, K., Ito, S., Saito, T. and Habara, Y. 2007. T-type Ca<sup>2+</sup> channels contribute to IBMX/forskolin- and K<sup>+</sup>- induced Ca<sup>2+</sup> transients in porcine olfactory receptor neurons. *Neurosci. Res.*, **57**: 129-139
- 2) Gautam, S. H., Otsuguro, K., Ito, S., Saito, T.

and Habara, Y. 2007. T-type  $\text{Ca}^{2+}$  channels mediate propagation of odour-induced  $\text{Ca}^{2+}$  transients in rat olfactory receptor neurons. *Neuroscience*, **144**: 702-713

3) Sankar, R., Archunan, G. and Habara, Y. 2007. Detection of oestrous-related odour in bovine (*Bos taurus*) saliva: bioassay of identified compounds. *Animal*, **1**: 1321-1327

## Laboratory of Biochemistry

### Original articles

- 1) Ishioka, K., Hosoya, K., Kitagawa, H., Shibata, H., Honjoh, H., Kimura, K. and Saito, M. 2007. Plasma leptin concentration in dogs: Effects of body condition score, age, gender and breeds. *Res. Vet. Sci.*, **82**: 11-15.
- 2) Okamatsu-Ogura, Y., Uozumi, A., Kitao, N., Kimura, K. and Saito, M. 2007. Day-night difference in  $\beta$ 3-adrenoceptor agonist-induced energy expenditure: Contribution of brown fat thermogenesis and physical activity. *Obesity Res. Clin. Pract.*, **1**: 61-67.
- 3) Yamaji, D., Kamikawa, A., Soliman, M., Ito, T., Ahmed, M., Makondo, K., Watanabe, A., Saito, M. and Kimura, K. 2007. Leptin inhibits hepatocyte growth factor-induced ductal morphogenesis of bovine mammary epithelial cells. *Jpn. J. Vet. Res.*, **54**: 183-189.
- 4) Ahmed, M., Kimura, K., Soliman, M., Yamaji, D., Okamatsu-Ogura, Y., Makondo, K., Inanami, O. and Saito, M. 2007. Effects of leptin and tumor necrosis factor- $\alpha$  on degranulation and superoxide production of polymorphonuclear neutrophils from Holstein cows. *J. Vet. Med. Sci.*, **69**: 125-131.
- 5) Okamatsu-Ogura, Y., Kitao, N., Kimura, K. and Saito, M. 2007. Brown fat UCP1 is not involved in the febrile and thermogenic responses to IL-1 $\beta$  in mice. *Am. J. Physiol. Endocrinol. Metab.*, **292**: E1135-E1139.
- 6) Ahmed, M., Shaban, Z., Yamaji, D., Okamatsu-Ogura, Y., Soliman, M., Abd Eldaim, M., Ishioka, K., Makondo, K., Saito, M. and Kimura, K. 2007. Induction of proinflammatory

cytokines and caspase-1 by leptin in monocyte/macrophages from Holstein cows. *J. Vet. Med. Sci.*, **69**: 509-514.

- 7) Fujimoto, W., Shiuchi, T., Miki, T., Minokoshi, Y., Takahashi, Y., Takeuchi, A., Kimura, K., Saito, M., Iwanaga, T. and Seino, S. 2007. Dmbx1 is essential in agouti-related protein action. *Proc. Natl. Acad. Sci. USA*, **104**: 15514-15519.
- 8) Soliman, M., Kimura, K., Ahmed, M., Yamaji, D., Matsushita, Y., Okamatsu-Ogura, Y., Makondo, K. and Saito, M. 2007. Inverse regulation of leptin mRNA expression by short- and long- chain fatty acids in the cultured bovine adipocytes. *Domest. Anim. Endocrinol.*, **33**: 400-409.
- 9) Kitao, N., Yahata, T., Matsumoto, T., Okamatsu-Ogura, Y., Omachi, A., Kimura, K. and Saito, M. 2007. Molecular cloning and tissue distribution of uncoupling protein 1 (UCP 1) in Plateau Pika (*Ochotona dauurica*). *J. Vet. Med. Sci.*, **69**: 1065-1068
- 10) Omachi, A., Ishioka, K., Uozumi, A., Kamikawa, A., Toda, C., Kimura, K. and Saito, M. 2007.  $\beta$ 3-Adrenoceptor agonist AJ-9677 reduces body fat in obese beagles. *Res. Vet. Sci.*, **83**: 5-11
- 11) Okamatsu-Ogura, Y., Uozumi, A., Toda, C., Kimura, K., Yamashita, H. and Saito, M. 2007. Uncoupling protein 1 contributes to fat-reducing effect of leptin. *Obesity Res. Clin. Pract.*, **1**: 233-241

### Publications other than original articles

- 1) Yamaji, D., Saito, M. and Kimura, K. 2007.

Role of adipokines in the mammary gland de-

- velopment. *Himankenkyu*, **13**: 314-316. (in Japanese)
- 2) Terao, A. and Miyamoto, M. 2007. Recent and potential drugs for treatment of insomnia. *Folia Pharmacol. Jpn.*, **129**: 35-41. (in Japanese)
  - 3) Terao, A. 2007. Identification of genes determining sleep disorder narcolepsy. *Hokkaido Juishikai Zasshi*, **51**: 393-396. (in Japanese)
  - 4) Terao, A. 2007. Overview of pipeline hypnotics under active development. *Pharmstage*, **7**:62-69. (in Japanese)
  - 5) Kimura, K. 2007. Leptin. Hormone Handbook (The Japan Society for Comparative Endocrinology ed.), Nankou-do (Tokyo) (in Japanese)

## Laboratory of Pharmacology

### Original articles

- 1) Gautam, S. H., Otsuguro, K., Ito, S., Saito, T. and Habara, Y. 2007. T-Type  $Ca^{2+}$  channels mediate propagation of odor-induced  $Ca^{2+}$  transients in rat olfactory receptor neurons. *Neuroscience*, **144**, 702-713.
- 2) Gautam, S. H., Otsuguro, K., Ito, S., Saito T. and Habara, Y. 2007. T-Type  $Ca^{2+}$  channels contribute to IBMX/forskolin-and  $K^{+}$ -induced  $Ca^{2+}$  transients in porcine olfactory receptor neurons. *Neurosci. Res.*, **57**, 129-139.
- 3) Murakami, M., Ohta, T., Otsuguro, K. and Ito, S. 2007. Involvement of prostaglandin  $E_2$  derived from enteric glial cells in the action of bradykinin in cultured rat myenteric neurons. *Neuroscience*, **145**, 642-653.
- 4) Tabo, M., Kimura, K. and Ito, S. 2007. Mono-phasic action potential in anaesthetized guinea pigs as a biomarker for prediction of liability for drug-induced delayed ventricular repolarization. *J. Pharmacol. Toxicol. Methods*, **55**, 271-278.
- 5) Ohta, T., Imagawa, T. and Ito, S. 2007. Novel agonistic action of mustard oil on recombinant and endogenous porcine transient receptor potential V1 (pTRPV1) channels. *Biochem. Pharmacol.*, **73**, 1646-1656.

## Laboratory of Microbiology

### Original articles

- 1) Bauhofer, O., Summerfield, A., Sakoda, Y., Tratschin, J. D., Hofmann, M. A. and Ruggli, N. 2007. Classical swine fever virus N<sup>pro</sup> interacts with interferon regulatory factor 3 and induces its proteasomal degradation. *J. Virol.*, **81**: 3087-3096.
- 2) Blacksell, S. D., Bryant, N. J., Paris, D. H., Doust, J. A., Sakoda, Y. and Day, N. P. 2007. *Scrub typhus* serologic testing with the indirect immunofluorescence method as a diagnostic gold standard: a lack of consensus leads to a lot of confusion. *Clin. Infect. Dis.*, **44**: 391-401.
- 3) Fujii, K., Kakumoto, C., Kobayashi, M., Saito, S., Kariya, T., Watanabe, Y., Sakoda, Y., Kida, H. and Suzuki, M. 2007. Serological evidence of influenza A virus infection in Kuril harbor seals (*Phoca vitulina stejnegeri*) of Hokkaido, Japan. *J. Vet. Med. Sci.*, **69**: 259-263.
- 4) Guo, C. T., Takahashi, N., Yagi, H., Kato, K., Takahashi, T., Yi, S. Q., Chen, Y., Ito, T., Otsuki, K., Kida, H., Kawaoka, Y., Hidari, K. I., Miyamoto, D., Suzuki, T. and Suzuki, Y. 2007. The quail and chicken intestine have sialylgalactose sugar chains responsible for the binding of influenza A viruses to human type receptors. *Glycobiology*, **17**: 713-724.
- 5) Malamo, M., Okazaki, K., Sakoda, Y. and Kida, H. 2007. Carboxyl terminus of the 34 kDa protein of Mycobacterium paratuberculosis

shares homologous B-cell epitopes with *Mycobacterium avium* and *Mycobacterium intracellulare*. *Vet. Rec.*, **161**: 853-857.

- 6) Matsuno, K., Sakoda, Y., Kameyama, K., Tamai, K., Ito, A. and Kida, H. 2007. Genetic and pathobiological characterization of bovine viral diarrhoea viruses recently isolated from cattle in Japan. *J. Vet. Med. Sci.*, **69**: 515-520.
- 7) Naito, M., Sakoda, Y., Kamikawa, T., Nitta, Y., Hirose, K., Sakashita, M., Kurokawa, S. and Kida, H. 2007. Serological evidence of leptospiral infection in pig populations in different districts in Japan. *Microbiol. Immunol.*, **51**: 593-599.
- 8) Ozaki, H. and Kida, H. 2007. Extensive accumulation of influenza virus NS1 protein in the nuclei causes effective viral growth in vero cells. *Microbiol. Immunol.*, **51**: 577-580.
- 9) Shin, J. H., Sakoda, Y., Kim, J. H., Ochiai, K. and Umemura, T. 2007. Comparison of antibody titers in rabbits following immunization with inactivated influenza virus via subarachnoidal or subcutaneous route. *J. Vet. Med. Sci.*, **69**: 1167-1169.
- 10) Takeda, S., Ozaki, H., Hattori, S., Ishii, A., Kida, H. and Mukasa, K. 2007. Detection of influenza virus hemagglutinin with randomly immobilized anti-hemagglutinin antibody on a carbon nanotube sensor. *J. Nanosci. Nanotechnol.*, **7**: 752-756.
- 11) Tsuda, Y., Sakoda, Y., Sakabe, S., Mochizuki, T., Namba, Y. and Kida, H. 2007. Development of an immunochromatographic kit for rapid diagnosis of H5 avian influenza virus infection. *Microbiol. Immunol.*, **51**: 903-907.
- 12) Sakoda, Y., Seki, R. and Kida, H. 2007. Effects of disinfectants against avian influenza virus. *Jpn. J. Anim. Hyg.*, **32**: 67-70 (in Japanese)
- 13) Sakoda, Y., Yoshimi, Y., Kurokawa, S. and Kida, H. 2007. Effects of disinfectants against avian influenza viruses. *J. Jpn. Vet. Med. Assoc.*, **60**: 519-522 (in Japanese)

### Publications other than original articles

- 1) Isoda, N. and Kida, H. 2007. Development of vaccines for avian influenza. *PHARMSTAGE*, **7**: 84-87. (in Japanese)
- 2) Kida, H. 2007. Library of influenza viruses for the vaccine candidates of human and avian influenza. *Brain Techno News*, **123**: 21-25. (in Japanese)
- 3) Kida, H. 2007. Influenza - Past, present, and future-. *Clinical Microbiology*, **34**: 395-401. (in Japanese)
- 4) Sakoda, Y. 2007. The present state and problems of bovine viral diarrhoea to be solved in future. *J. Jpn. Vet. Med. Assoc.*, **60**: 817-819 (in Japanese)

## Labolatory of Infectious Diseases

### Original articles

- 1) Mingala, C. N., Odbileg, R., Konnai, S., Ohashi, K. and Onuma, M. 2007. Molecular cloning, sequencing and phylogenetic analysis of inflammatory cytokines of swamp type buffalo contrasting with other bubaline breeds. *Comp. Immunol. Microbiol. Infect. Dis.*, **30**: 119-131.
- 2) Usui, T., Konnai, S., Ohashi, K. and Onuma, M. 2007. Interferon-gamma expression associated with suppression of bovine leukemia virus at the early phase of infection in sheep. *Vet. Immunol. Immunopathol.*, **115**: 17-23.
- 3) Murata, S., Chang, K-S., Yamamoto, Y., Okada, T., Lee, S-I., Konnai, S., Onuma, M., Osa, Y., Asakawa, M. and Ohashi, K. 2007. Detection of the Marek's disease virus genome from feather tips of wild geese in Japan and the Far East region of Russia. *Arch. Virol.*, **152**: 1523-1526.
- 4) Okada, T., Takagi, M., Murata, S., Onuma, M. and Ohashi, K. 2007. Identification and char-

acterization of a novel spliced form of the *meq* transcript in lymphoblastoid cell lines derived from Marek's disease tumors. *J. Gen. Virol.*, **88**: 2111-2120.

- 5) Konnai, S., Yamada, S., Imamura, S., Simuunza, M., Chembensof, M., Chota, A., Nambota, A., Ohashi, K. and Onuma, M. 2007. Attachment Duration Required for

### Publication other than original articles

- 1) Imamura, S., Konnai, S., Ohashi, K. and Onuma, M. 2007. Recent topics of candidate

## Laboratory of Parasitology

### Original articles

- 1) Ganzorig, S., Oku, Y., Gardner, S. L. and Kamiya, M. 2007. Multiplication of Ovaries in *Ctenotaenia marmotae* (Frolich, 1802) (Cestoda: Anaplocephalidae). *Comp. Parasitol.*, **74**, 151-153.
- 2) Inagaki, M., Nonaka, N., Inoue, T., Yagi, K., Katakura, K. and Oku, Y. 2007. Improvement of copro-DNA detection for diagnosis in prepatent period of *Echinococcus multilocularis* infection in dogs. *Jpn. J. Vet. Parasitol.*, **5**, 35. (in Japanese)
- 3) Inoue, T., Nonaka, N., Kanai, Y., Iwaki, T., Kamiya, M. and Oku, Y. 2007. The use of tetracycline in anthelmintic baits to assess baiting rate and drug efficacy against *Echinococcus multilocularis* in foxes. *Vet. Parasitol.*, **150**, 88-96.
- 4) Inoue, T., Nonaka, N., Mizuno, A., Morishima, Y., Sato, H., Katakura, K. and Oku, Y. 2007. Mitochondrial DNA phylogeography of the red fox (*Vulpes vulpes*) in northern Japan. *Zool. Sci.*, **24**, 1178-1186.
- 5) Kamiya, M., Lagapa, J. T., Ganzorig, S., Kobayashi, F., Nonaka, N. and Oku, Y. 2007. Echinococcosis risk among domestic definitive hosts, Japan. *Emerg. Inf. Dis.*, **13**, 346-347.
- 6) Kamiya, M., Lagapa, J. T. and Oku, Y. 2007. Research on targeting sources of alveolar echi-

*Rhipicephalus appendiculatus* to Transmit *Theileria parva* to the Host. *Vector Borne Zoonotic Dis.*, **7**: 241-248.

- 6) Murata, S., Chang, K-S., Lee, S-I., Konnai, S., Onuma, M. and Ohashi, K. 2007. Development of a diagnostic method to detect oncogenic Marek's disease virus (MDV) from feather tips. *J. Vet. Diagnost. Invest.*, **19**: 471-478.

antigens for immunological control of *Ixodid ticks*. *Acta Sci. Vet.*, **35**: 1-16.

nococcosis in Japan. *Comp. Immunol. Microbiol. Inf. Dis.*, **30**, 427-448.

- 7) Kanai, Y., Inoue, T., Mano, T., Nonaka, N., Katakura, K. and Oku, Y. 2007. Epizootiological survey of *Trichinella* spp. infection in carnivores, rodents and insectivores in Hokkaido, Japan. *Jpn. J. Vet. Parasitol.*, **54**, 175-182. (in Japanese)
- 8) Kouguchi, H., Matsumoto, J., Katoh, Y., Oku, Y., Suzuki, T. and Yagi, K. 2007. The vaccination potential of EMY162 antigen against *Echinococcus multilocularis* infection. *Biochem. Biophys. Res. Commun.*, **363**, 915-920.
- 9) Okamoto, M., Oku, Y., Kurosawa, T. and Kamiya, M. 2007. Genetic uniformity of *Echinococcus multilocularis* collected from different intermediate host species in Hokkaido, Japan. *J. Vet. med. sci.*, **69**, 159-163.
- 10) Oku, Y., Iwaki, T., Ganzorig, S., Nonaka, N., Miyahara, T., Okazaki, K. and Kamiya, M. 2007. Control trial against *Echinococcus multilocularis* by local residents. *Jpn. J. Vet. Parasitol.*, **5**, 36. (in Japanese)
- 11) Taniguchi, S., Osanai, Y., Matsumoto, J., Uezato, H., Kato, H., Bhutto, A. M., Soomro, F. R., Marco, J. D., Barroso, P. A., Hashiguchi, Y. and Katakura, K. 2007. Analysis of *Leishmania* proteins for the serodiagnosis of cutane-

ous leishmaniasis in Pakistan. *Jpn. J. Vet. Parasitol.*, **5**, 56. (in Japanese)

- 12) Tsubota, K., Nakatsuji, S., Anagawa, A., Murakami, Y., Ikegami, H., Okazaki, Y.,

Yoshizawa, K., Fujihira, S., Matsumoto, M., Oku, Y. and Oishi, Y. 2007. *Cysticercus tenuicollis* infection in a cynomolgus monkey. *Jpn. J. Vet. Parasitol.*, **5**, 30. (in Japanese)

### Publications other than original articles

- 1) Katakura, K. 2007. Coccidioidomycosis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 165-166. (in Japanese)
- 2) Katakura, K. 2007. Leishmaniasis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 228-230. (in Japanese)
- 3) Katakura, K. 2007. Cryptosporidiosis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 701-702. (in Japanese)
- 4) Nonaka, N. 2007. Hookworm infection. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 581-583. (in Japanese)
- 5) Nonaka, N. 2007. Roundworm infection. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 669-672. (in Japanese)
- 6) Nonaka, N. 2007. Coccidiosis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 696-698.
- 7) Nonaka, N. 2007. Giardiasis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 694-695. (in Japanese)
- 8) Nonaka, N. 2007. Trichomonad enteritis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 692-693. (in Japanese)
- 9) Nonaka, N. 2007. Amoebic enteritis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 689-691. (in Japanese)
- 10) Nonaka, N. 2007. Whipworm infection. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 686-688.

(in Japanese)

- 11) Oku, Y. 2007. Esophageal worm disease. In: Saishin-kachiku-kiseichubyo-gaku. Itagaki, H. and Ohishi, I. eds., Asakura, Tokyo, pp. 208-213. (in Japanese)
- 12) Oku, Y. 2007. Cestode infection in domestic fowls. In: Saishin-kachiku-kiseichubyo-gaku. Itagaki, H. and Ohishi, I. eds., Asakura, Tokyo, pp. 127-131. (in Japanese)
- 13) Oku, Y. 2007. Cestode infection in ruminants. In: Saishin-kachiku-kiseichubyo-gaku. Itagaki, H. and Ohishi, I. eds., Asakura, Tokyo, pp. 123-126. (in Japanese)
- 14) Oku, Y. 2007. Cestode infection in horses. In: Saishin-kachiku-kiseichubyo-gaku. Itagaki, H. and Ohishi, I. eds., Asakura, Tokyo, pp. 120-122. (in Japanese)
- 15) Oku, Y. 2007. Current status of *Echinococcus*, a zoonotic parasite. *Japan Hunter's Magazine (Shuryo-kai)*, **51**, 82-87. (in Japanese)
- 16) Oku, Y. 2007. Neosporosis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 318-320. (in Japanese)
- 17) Oku, Y. 2007. Toxoplasmosis. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 315-317. (in Japanese)
- 18) Oku, Y. 2007. Cestode infection. In: Shuyoshojyo-wo-kisonishita-inu-no-rinsho. Maede, Y. ed., Dairyman, Sapporo, pp. 708-719. (in Japanese)
- 19) Oku, Y. Iwaki, T., Ganzorig, S., Nonaka, N., Inoue, T., Miyahara, T., Okazaki, K. and Kamiya, M., 2007. A control trial for echinococcosis in Hokkaido, perspectivevely driven by local residents. *J. Vet. Med.*, **60**, 376-378. (in Japanese)

## Laboratory of Laboratory Animal Science and Medicine

### Original articles

- 1) Okumura, M., Yoshimatsu, K., Kumperasart, S., Nakamura, I., Ogino, M., Taruishi, M., Sungdee, A., Pattamadilok, S., Ibrahim, I. N., Erlina, S., Agui, T., Yanagihara, R. and Arikawa, J. 2007. Development of serological assays for Thottapalayam virus, an insectivore-borne Hantavirus. *Clin. Vaccine Immunol.*, **14**, 173-181.
- 2) Menon, S., Lee, J., Abplanalp, W. A., Yoo, S.-E., Agui, T., Furudate, S., Kim, P. S. and Arvan, P. 2007. Oxidoreductase interactions include a role for ERp72 engagement with mutant thyroglobulin from the rdw/rdw rat dwarf. *J. Biol. Chem.*, **282**, 6183-6191.
- 3) Sasaki, N., Hosoda, Y., Nagata, A., Ding, M., Cheng, J.-M., Miyamoto, T., Okano, S., Asano, A., Miyoshi, I. and Agui, T. 2007. A mutation in *Tpst2* encoding tyrosylprotein sulfotransferase causes dwarfism associated with hypothyroidism. *Mol. Endocrinol.*, **21**, 1713-1721.
- 4) Asano, A., Tsubomatsu, K., Jung, C.-G., Sasaki, N. and Agui, T. 2007. A deletion mutation of the protein tyrosine phosphatase kappa (*Ptprk*) gene is responsible for the T-helper immunodeficiency (*thid*) in the LEC rat. *Mamm. Genome*, **18**, 779-786.

## Laboratory of Internal Medicine

### Original articles

- 1) Konno, A., Takiguchi, M., Takada, K., Usami, T., Azumi, K., Kubota, H., Inaba, M., Saegusa, J. and Kon Y. 2007. Identification of a quantitative trait locus regulating B cell-dominant infiltration into autoimmune sialitis lesions of the IQI mouse model of primary Sjögren's syndrome. *Immunogenetics*. **59**: 853-859.
- 2) Elkhateeb, A., Matsuura, H., Yamasaki, M., Maede, Y., Katakura, K. and Nabeta, K. 2007. Anti-Babesial compounds from *Rosa damascena* Mill. *Nat. Prod. Commun.*, **2**: 765-769.
- 3) Elkhateeb, A., Yamada, K., Takahashi, K., Matsuura, H., Yamasaki, M., Maede, Y., Katakura, K. and Nabeta, K. 2007. Anti-Babesial Compounds from *Berberis Vulgaris*. *Nat. Prod. Commun.*, **2**: 173-175.
- 4) Hossain, M. A., Yamato, O., Kim, G. H., Yamasaki, M. and Maede, Y. 2007. Suppressive effect of culture supernatant of erythrocytes and serum from dogs infected with *Babesia gibsoni* on the morphological maturation of canine reticulocytes in vitro. *J. Vet. Sci.* **8**: 169-174.
- 5) Kurosaki, N., Yamato, O., Sasamoto, Y., Mori, F., Imoto, S., Kojima, T., Yamasaki, M. and Maede, Y. 2007. Clinico-pathological findings in peripartum dairy cows fed anion salts lowering the dietary cation-anion difference: Involvement of serum inorganic phosphorus, chloride and plasma estrogen concentrations in milk fever. *Jpn. J. Vet. Res.* **55**: 3-12.
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- 2) Okumura, M. 2007. Procedures for biopsy and cytology on joint diseases -Examination of synovial fluid and synovial biopsy. *SA Medicine*, **9**: 33-41. (in Japanese)
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## Laboratory of Theriogenology

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- 1) Kawashima, C., Sakaguchi, M., Suzuki, T., Sasamoto, Y., Takahashi, Y., Matsui, M. and Miyamoto, A. 2007. Metabolic profiles in ovulatory and anovulatory primiparous dairy cows during the first follicular wave postpartum. *J. Reprod. Dev.*, **53**: 113-120.
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## Laboratory of Radiation Biology

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- 5) Fujii, K., Kakumoto, C., Kobayashi, M., Saito, S., Kariya, T., Watanabe, Y., Xuan, X., Igarashi, I. and Suzuki, M. 2007. Seroepidemiology of *Toxoplasma gondii* and *Neospora caninum* in Seals around Hokkaido, Japan. *J. Vet. Med. Sci.* **69**: 393-398.

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- 2) Taishi, Y. 2007. On the Comparison of lower second molar between Honshu deer and Ezo deer. *Zoo-archaeology* **24**: 57-63. (in Japanese)

## Laboratory of Prion Diseases

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- 1) Furuoka, H., Yabuzoe, A., Horiuchi, M., Tagawa, Y., Yokoyama, T., Yamakawa, Y., Shinagawa, M. and Sata, T. 2007. Species-specificity of a panel of prion protein antibodies for the immunohistochemical study of animal and human prion diseases. *J. Comp. Pathol.*, **136**: 9-17.
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## Veterinary Teaching Hospital

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- 2) Osaki, T., Takagi, S., Hoshino, Y., Okumura, M.

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### Publications other than original articles

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- 2) Takada, A., Ebihara, H., Feldmann, H., Geisbert, T. W. and Kawaoka, Y. 2007. Epitopes required for antibody-dependent enhancement of Ebola virus infection. *J. Infect. Dis.*, **196** (Suppl. 2): S347-356.
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