

# 病理診断学講座

## Diagnostic Pathology

教授	高野 康雄	Yasuo Takano
准教授	常山 幸一	Koichi Tsuneyama
助教	村井 嘉寛	Yoshihiro Murai
助教	林 伸一	Shinichi Hayashi
助教(前)	高橋 博之	Hiroyuki Takahashi
技術専門員	熊田 時正	Tokimasa Kumada
技術専門職員	八田 秀樹	Hideki Hatta

### ◆ 原著

- 1) Murai Y., Zheng H.C., Abdel Aziz H.O., Mei H., Kutsuna T., Nakanishi Y., Tsuneyama K., and Takano Y.: High JC virus load in gastric cancer and adjacent non-cancerous mucosa. *Cancer Sci.*, 97: 25-31, 2007.
- 2) Takahashi H., Murai Y., Tsuneyama K., Nomoto K., Okada E., Fujita H., and Takano Y.: High labeling indices of cdc25B is linked to progression of gastric cancers and associated with a poor prognosis. *Appl. Immunohistochem. Mol. Morphol.*, 15: 267-272, 2007.
- 3) Salunga T.L., Cui Z.G., Shimoda S., Zheng H.C., Nomoto K., Kondo T., Takano Y., Selmi C., Alpini G., Gershwin M.E., and Tsuneyama K.: Oxidative stress-induced apoptosis of bile duct cells in primary biliary cirrhosis. *J. Autoimmun.*, 29: 78-86, 2007.
- 4) Salunga T.L., Tabuchi Y., Takasaki I., Feril LB Jr., Zhao Q.L., Ohtsuka K., Tsuneyama K., and Kondo T.: Identification of genes responsive to paeoniflorin, a heat shock protein-inducing compound, in human leukemia U937 cells. *Int. J. Hyperthermia.*, 23: 529-537, 2007.
- 5) Abdel-Aziz H.O.\*, Murai Y., Hong M., Kutsuna T., Takahashi H., Nomoto K., Murata S., Tsuneyama K., and Takano Y.: Detection of the JC virus genome in lung cancers: possible role of the T-antigen in lung oncogenesis. *Appl. Immunohistochem. Mol. Morphol.*, 15: 394-400, 2007.
- 6) Abdel-Aziz H.O.\*, Takasaki I., Tabuchi Y., Nomoto K., Murai Y., Tsuneyama K., and Takano Y.: High-density oligonucleotide microarrays and functional network analysis reveal extended lung carcinogenesis pathway maps and multiple interacting genes in NNK [4-(methylnitrosamino)-1-(3-pyridyle)-1-butanone] induced CD1 mouse lung tumor. *J. Cancer Res. Clin. Oncol.*, 133: 107-115, 2007.
- 7) Zheng H.\*, Abdel-Aziz H.O., Nakanishi Y., Masuda S., Saito H., Tsuneyama K., and Takano Y.: Oncogenic role of JC virus in lung cancer. *J. Pathol.*, 212: 306-315, 2007.
- 8) Zheng H.\*, Murai Y., Hong M., Nakanishi Y., Nomoto K., Masuda S., Tsuneyama K., and Takano Y.: Jamestown Canyon virus detection in human tissue specimens. *J. Clin. Pathol.*, 60: 787-793, 2007.
- 9) Zheng H.\*, Saito H., Masuda S., Yang X., and Takano Y.: Phosphorylated GSK3beta-ser9 and EGFR are good prognostic factors for lung carcinomas. *Anticancer Res.*, 27: 3561-3569, 2007
- 10) Zheng H.\*, Takahashi H., Murai Y., Cui Z., Nomoto K., Miwa S., Tsuneyama K., and Takano Y.: Pathobiological characteristics of intestinal and diffuse-type gastric carcinoma in Japan: an immunostaining study on the tissue microarray. *J. Clin. Pathol.*, 60: 272-277, 2007.
- 11) Zheng H.\*, Takahashi H., Murai Y., Cui Z., Nomoto K., Tsuneyama K., and Takano Y.: Low expression of FHIT and PTEN correlates with malignancy of gastric carcinomas: tissue-array findings. *Appl. Immunohistochem. Mol. Morphol.*, 15: 432-440, 2007.
- 12) Zheng H.\*, Tsuneyama K., Cheng C., Takahashi H., Cui Z., Murai Y., Nomoto K., and Takano Y.: Maspin expression was involved in colorectal adenoma-adenocarcinoma sequence and liver metastasis of tumors. *Anticancer Res.*, 27: 259-265, 2007.
- 13) Zheng H.\*, Tsuneyama K., Cheng C., Takahashi H., Cui Z., Nomoto K., Murai Y., and Takano Y.: Expression of KAI1 and tenascin, and microvessel density are closely correlated with liver metastasis of gastrointestinal adenocarcinoma. *J. Clin. Pathol.*, 60: 50-56, 2007.
- 14) Zheng H.\*, Tsuneyama K., Takahashi H., Miwa S., Nomoto K., Saito H., Masuda S., and Takano Y.: Expression of PTEN and

FHIT is involved in regulating the balance between apoptosis and proliferation in lung carcinomas. *Anticancer Res.*, 27: 575-581, 2007.

- 15) Yu M., Zheng H., Tsuneyama K., Takahashi H., Nomoto K., Xu H., and Takano Y.: Paradoxical expression of maspin in gastric carcinomas: correlation with carcinogenesis and progression. *Hum. Pathol.*, 38: 1248-1255, 2007.
- 16) Matsuda N., Takano Y., Kageyama S., Hatakeyama N., Shakunaga K., Kitajima I., Yamazaki M., and Hattori Y.: Silencing of caspase-8 and caspase-3 by RNA interference prevents vascular endothelial cell injury in mice with endotoxic shock. *Cardiovasc. Res.*, 76: 132-140, 2007.
- 17) Tanaka A., Tsuneyama K., Mikami M., Uegaki S., Aiso M., and Takikawa H.: Gene expression profiling in whole liver of bile duct ligated rats: VEGF-A expression is up-regulated in hepatocytes adjacent to the portal tracts. *J. Gastroenterol. Hepatol.*, 22: 1993-2000, 2007.
- 18) Jenkins M.A., Hayashi S., O'Shea A.M., Burgart L.J., Smyrk T.C., Shimizu D., Waring P.M., Ruszkiewicz A.R., Pollett A.F., Redston M., Barker M.A., Baron J.A., Casey G.R., Dowty J.G., Giles G.G., Limburg P., Newcomb P., Young J.P., Walsh M.D., Thibodeau S.N., Lindor N.M., Lemarchand L., Gallinger S., Haile R.W., Potter J.D., Hopper J.L., and Jass J.R.: Colon Cancer Family Registry: Pathology features in Bethesda guidelines predict colorectal cancer microsatellite instability: a population-based study. *Gastroenterology*, 133: 48-56, 2007.
- 19) Leung P.S., Park O, Tsuneyama K., Kurth M.J., Lam K.S., Ansari A.A., Coppel R.L., and Gershwin M.E.: Induction of primary biliary cirrhosis in guinea pigs following chemical xenobiotic immunization. *J. Immunol.*, 179: 2651-2657, 2007.
- 20) Zlobec I., Vuong T., Hayashi S., Haegert D., Tornillo L., Terracciano L., Lugli A., and Jass J.R.: A simple and reproducible scoring system for EGFR in colorectal cancer: application to prognosis and prediction of response to preoperative brachytherapy. *Br. J. Cancer*, 96: 793-800, 2007.
- 21) Hojo S., Koizumi K., Tsuneyama K., Arita Y., Cui Z., Shinohara K., Minami T., Hashimoto I., Nakayama T., Sakurai H., Takano Y., Yoshie O., Tsukada K., and Saiki I.: High-level expression of chemokine CXCL16 by tumor cells correlates with a good prognosis and increased tumor-infiltrating lymphocytes in colorectal cancer. *Cancer Res.*, 67: 4725-4731, 2007.
- 22) Akai S., Hosomi H., Minami K., Tsuneyama K., Katoh M., Nakajima M., and Yokoi T.: Knock down of gamma-glutamylcysteine synthetase in rat causes acetaminophen-induced hepatotoxicity. *J. Biol. Chem.*, 282: 2396-24003, 2007.
- 23) Takeuchi A., Yamamoto Y., Tsuneyama K., Cheng C., Yonekura H., Watanabe T., Shimizu K., Tomita K., Yamamoto H., and Tsuchiya H.: Endogenous secretory receptor for advanced glycation endproducts as a novel prognostic marker in chondrosarcoma. *Cancer*, 109: 2532-2540, 2007.
- 24) Popivanova B.K., Li Y.Y., Zheng H., Omura K., Fujii C., Tsuneyama K., and Mukaida N.: Proto-oncogene, Pim-3 with serine/threonine kinase activity, is aberrantly expressed in human colon cancer cells and can prevent Bad-mediated apoptosis. *Cancer Sci.*, 98: 321-328, 2007.
- 25) Zlobec I., Lugli A., Baker K., Roth S., Minoo P., Hayashi S., Terracciano L., and Jass J.R.: Role of APAF-1, E-cadherin and peritumoral lymphocytic infiltration in tumour budding in colorectal cancer. *J. Pathol.*, 212: 260-268, 2007.
- 26) 八田秀樹, 熊田時正, 常山幸一, 溝口訓弘, 中村和美, 藤川友佳子, 藤井侃: 海洋深層水成分の病理組織診断への応用. *医学と薬学*, 57: 615-620, 2007.

#### ◆ 症例報告

- 1) Hayashi T., Hirayama N., Ro A., Kageyama N., Ishida Y., Tsuneyama K., Kimura A., Fukunaga T., and Kondo T.: Severe brainstem compression by an unruptured giant vertebral aneurysm? An autopsy case. *Leg. Med. (Tokyo)*, 9: 322-325, 2007.
- 2) Miyashita T., Hayashi T., Ishida Y., Tsuneyama K., Kimura A., and Kondo T.: A fatal case of pontine hemorrhage related to methamphetamine abuse. *J. Forensic. Leg. Med.*, 14: 444-447, 2007.

#### ◆ 学会報告

- 1) Nakanishi Y.\*, Murai Y., Tsuneyama K. and Takano Y.: High JC virus load in gastric cancer and adjacent non-cancerous mucosa. The United States and Canadian Academy of Pathology 96<sup>th</sup> Annual Meeting, 2007, 3, 24-31, San Diego, USA.
- 2) Fujimoto M., Tsuneyama K., Kainuma M., Sekiya N., Takano Y., and Shimada Y.: Japanese herbal medicines in the prevention of hepatic fibrosis in NAFLD. The United States and Canadian Academy of Pathology 96<sup>th</sup> Annual Meeting, 2007, 3, 24-31, San Diego, USA.

- 3) Fujimoto M., Tsuneyama K., Kainuma M., Sekiya N., Goto H., Takano Y., Terasawa K., Selmi C., Gershwin M.E., and Shimada Y.: The traditional Japanese kampo formula keishibukuryogan ameliorates steatosis, Reduces oxidative stress and inflammation, and ultimately prevents liver fibrosis in a rabbit model of non alcoholic steatohepatitis. The 58th Annual Meeting of the American Association for the Study of Liver Diseases. 2007, 11, 2-7, Boston, USA.
- 4) Leung P.S., Park O., Tsuneyama K., Kurth M.J., Lam K.S., Ansari A., Coppel R.L., and Gershwin M.E.: Induction of primary biliary cirrhosis in guinea pigs using chemical xenobiotic immunization: implications for tolerance and the etiology of human PBC. The 58th Annual Meeting of The American Association for The Study of Liver Diseases. 2007, 11, 2-7, Boston, USA.
- 5) Fujimoto M., Tsuneyama K., Kainuma M., Sekiya N., Goto H., Takano Y., Terasawa K., Selmi C., Gershwin M.E., and Shimada Y.: Evidence-based efficacy of kampo formulas on liver pathology in a rabbit model of non alcoholic fatty liver disease. The 14th International Congress of Oriental Medicine. 2007, 12, 2-9, Taipei, Taiwan.
- 6) 野本一博, 常山幸一, 藤本 誠, トウシディデス・サルンガ・ロレッタ, 三輪重治, 村井嘉寛, 高野康雄: ガレクチン 3 はコリン欠乏食 NAFLD モデルにおいて肝障害を防御する作用がある. 第 96 回日本病理学会総会, 2007, 3, 13-15, 大阪.
- 7) 林 伸一, 中西ゆう子, 中嶋隆彦, 八田秀樹, 高野康雄: MS I - H大腸癌の病理組織学的基準に基づくスクリーニング. 第 96 回日本病理学会総会, 2007, 3, 13-15, 大阪.
- 8) Salunga Thucydides Laureta, 常山幸一, 野本一博, 林 伸一, 村井嘉寛, 高野康雄: NASH 患者の肝臓マクロファージにおける特徴的所見(Characteristic findings in macrophages in the liver of NASH patients). 第 96 回日本病理学会総会, 2007, 3, 13-15, 大阪.

#### ◆ その他

- 1) Tsuneyama K.: Strategy of future food science and food business. 21<sup>st</sup> COE seminar“ Integrate of New Insights between Western and Eastern Medicines” in University of California, 2007, 8, 27, Davis,USA.
- 2) 八田秀樹: 術中迅速病理診断をサポートする新技術 - US による超迅速免疫染色法の開発と臨床応用. 平成 18 年度生理学技術研究会, 2007, 2, 15-16, 愛知.
- 3) 八田秀樹, 熊田時正, 常山幸一, 溝口訓弘: 海洋深層水の病理組織診断への応用に関する研究. 平成 18 年度名古屋大学総合技術研究会, 2007, 3, 1-2, 愛知.
- 4) 八田秀樹, 熊田時正: マイクロ波の利用法—特に医療分野を中心に—. 平成 19 年度機器・分析技術研究会 in とやま, 2007, 8, 23-24, 富山.
- 5) 熊田時正, 八田秀樹: 作業現場における創意工夫と安全衛生の対応. 平成 19 年度機器・分析技術研究会 in とやま, 2007, 8, 23-24, 富山.
- 6) 常山幸一: メタボリックシンドロームモデル動物に出現する非アルコール性脂肪性肝障害 (NAFLD) の病理学的特徴. 第 3 回 TSOD (肥満・糖尿病) マウス研究会情報交換会, 2007, 8, 10, 東京.
- 7) 常山幸一: 医薬・健康増進分野における深層水利活用. 深層水フォーラム in 富山, 2007, 8, 3, 富山.
- 8) 常山幸一: 海洋深層水の有するホメオスタシス維持効果の基礎的検討と医薬健康増進分野への応用. とやま深層水フォーラム, 2007, 11, 20, 東京.
- 9) 常山幸一: 病理医からみたメタボリックシンドローム. 富山大学公開講座, 「知っ得? 納得! メタボリックシンドローム」, 2007, 8, 4, 富山.
- 10) 常山幸一: Doctor's doctor ~病理医が見た医学教育と医療の現場~. 高岡高等学校ミニ大学, 2007, 7, 25, 高岡.
- 11) 常山幸一: 非アルコール性脂肪性肝障害 (NAFLD)の病態解析と漢方方剤の効果・新規モデル動物を用いた検討. 富山大学 21 世紀 COE プログラムシンポジウム「東洋の知に立脚した個の医療の創生」, 2007, 11, 16, 富山.
- 12) 常山幸一: 髄液・血清からの Western による検出成果と課題. プロジェクト形成委員会 E「アルツハイマー病の血液診断法の開発」, 2007, 7, 5, 名古屋.