

- (58)Tanaka S, Oka S, Chayama K. Colorectal endoscopic submucosal dissection: present status and future perspective, including its differentiation from endoscopic mucosal resection. *J Gastroenterol.* 2008
- (59)Umemura T, Soga J, Hidaka T, Takemoto H, Nakamura S, Jitsuiki D, Nishioka K, Goto C, Teragawa H, Yoshizumi M, Chayama K, Higashi Y. Aging and hypertension are independent risk factors for reduced number of circulating endothelial progenitor cells. *Am J Hypertens.* 2008
- (60)Kimura T, Imamura M, Hiraga N, Hatakeyama T, Miki D, Noguchi C, Mori N, Tsuge M, Takahashi S, Fujimoto Y, Iwao E, Ochi H, Abe H, Maekawa T, Arataki K, Tateno C, Yoshizato K, Wakita T, Okamoto T, Matsuura Y, Chayama K. Establishment of an infectious genotype 1b hepatitis C virus clone in human hepatocyte chimeric mice. *J Gen Virol.* 2008
- (61)Uka K, Aikata H, Mori N, Takaki S, Kawakami Y, Azakami T, Kawaoka T, Jeong SC, Takahashi S, Chayama K. Combination therapy of oral fluoropyrimidine anticancer drug S-1 and interferon alpha for HCC patients with extrahepatic metastases. *Oncology.* 2008
- (62)Ohtani H, Shingu T, Chayama K, Hayashi K. Different role of macrophages and vascular smooth muscle cells in atherosclerotic lesions of Watanabe heritable hyperlipidemic (OWHHL) rabbit between aorta and coronary artery. *Hiroshima J Med Sci.* 2008
- (63)Yamamoto Y, Watari Y, Brydun A, Yoshizumi M, Akishita M, Horiuchi M, Chayama K, Oshima T, Ozono R. Role of the angiotensin II type 2 receptor in arterial remodeling after wire injury in mice. *Hypertens Res.* 2008
- (64)Abe K, Nakashima H, Ishida M, Miho N, Sawano M, Soe NN, Kurabayashi M, Chayama K, Yoshizumi M, Ishida T. Angiotensin II-induced osteopontin expression in vascular smooth muscle cells involves Gq/11, Ras, ERK, Src and Ets-1. *Hypertens Res.* 2008
- (65)Miki D, Aikata H, Uka K, Saneto H, Kawaoka T, Azakami T, Takaki S, Jeong SC, Imamura M, Kawakami Y, Takahashi S, Itamoto T, Asahara T, Arihiro K, Chayama K. Clinicopathological features of elderly patients with hepatitis C virus-related hepatocellular carcinoma. *J Gastroenterol.* 2008
- (66)Hiramatsu A, Takahashi S, Aikata H, Azakami T, Katamura Y, Kawaoka T, Uka K, Yamashina K, Takaki S, Kodama H, Jeong SC, Imamura M, Kawakami Y, Chayama K. Etiology and outcome of acute liver failure: retrospective analysis of 50 patients treated at a single center. *J Gastroenterol Hepatol.* 2008
- (67)Teragawa H, Ueda K, Okuhara K, Kuwashima R, Fukuda Y, Kiguchi M, Taniguchi K, Higashi Y, Oshima T, Yoshizumi M, Chayama K. Coronary vasospasm produces reversible perfusion defects observed during adenosine triphosphate stress myocardial single-photon emission computed tomography. *Clin Cardiol.* 2008
- (68)Watari Y, Yamamoto Y, Brydun A, Ishida T, Mito S, Yoshizumi M, Igarashi K, Chayama K, Ohshima T, Ozono R. Ablation of the *bach1* gene leads to the suppression of atherosclerosis in *bach1* and apolipoprotein E double knockout mice. *Hypertens Res.* 2008
- (69)Matsumoto Y, Ito M, Kamino D, Tanaka S, Haruma K, Chayama K. Relation between histologic gastritis and gastric motility in Japanese patients with functional dyspepsia: evaluation by transabdominal ultrasonography. *J Gastroenterol.* 2008
- (70)Hiyama T, Yoshihara M, Tanaka S, Haruma K, Chayama K. Strategy for treatment of nonerosive reflux disease in Asia. *World J Gastroenterol.* 2008
- (71)Suenari K, Shiode N, Shirota K, Ishii H, Goto K, Sairaku A, Mikami S, Nakano Y, Chayama K. Predictors and long-term prognostic implications of angiographic slow/no-flow during percutaneous coronary intervention for acute myocardial infarction. *Intern Med.* 2008
- (72)Iwamoto K, Kanno K, Hyogo H, Yamagishi S, Takeuchi M, Tazuma S, Chayama K. Advanced glycation end products enhance the proliferation and activation of hepatic stellate cells. *J Gastroenterol.* 2008
- (73)Uka K, Aikata H, Takaki S, Kawaoka T, Saneto H, Miki D, Takahashi S, Toyota N, Ito K, Chayama K. Systemic gemcitabine combined with intra-arterial low-dose cisplatin and 5-fluorouracil for advanced hepatocellular carcinoma: seven cases. *World J Gastroenterol.* 2008
- (74)Hiyama T, Yoshihara M, Tanaka S, Chayama K. Genetic polymorphisms and head and neck cancer risk (Review). *Int J Oncol.* 2008
- (75)Ohishi W, Fujiwara S, Cologne JB, Suzuki G, Akahoshi M, Nishi N, Takahashi I, Chayama K. Risk factors for hepatocellular carcinoma in a Japanese population: a nested case-control study. *Cancer Epidemiol Biomarkers Prev.* 2008
- (76)Jeong S, Kawakami Y, Kitamoto M, Ishihara H, Tsuji K, Aimitsu S, Kawakami H, Uka K, Takaki S,

- Kodama H, Waki K, Imamura M, Aikata H, Takahashi S, Chayama K. Prospective study of short-term peginterferon- α -2a monotherapy in patients who had a virological response at 2 weeks after initiation of interferon therapy. *J Gastroenterol Hepatol.* 2008
- (77) Kamino D, Manabe N, Hata J, Haruma K, Tanaka S, Chayama K. Long-term Ultrasonographic Follow-up Study of Gastric Motility in Patients with Functional Dyspepsia. *J Clin Biochem Nutr.* 2008
- (78) Takaki S, Kawakami Y, Imamura M, Aikata H, Takahashi S, Ishihara H, Tsuji K, Aimitsu S, Kawakami H, Nakanishi T, Kitamoto M, Moriya T, Satoh K, Chayama K. Eicosapentaenoic acid could permit maintenance of the original ribavirin dose in chronic hepatitis C virus patients during the first 12 weeks of combination therapy with pegylated interferon- α and ribavirin. A prospective randomized controlled trial. *Intervirology*
- (79) Higashi Y, Jitsuiki D, Chayama K, Yoshizumi M. Edaravone (03-methyl-1-phenyl-2-pyrazolin-5-one), a novel free radical scavenger, for treatment of cardiovascular diseases. *Recent Pat Cardiovasc Drug Discov.* 2006.
- (80) Kodama H, Aikata H, Uka K, Takaki S, Mori N, Waki K, Jeong SC, Kawakami Y, Shirakawa H, Takahashi S, Toyota N, Ito K, Chayama K. Efficacy of percutaneous cementoplasty for bone metastasis from hepatocellular carcinoma. *Oncology.* 2007.
- (81) Kanao H, Tanaka S, Oka S, Kaneko I, Yoshida S, Arihiro K, Yoshihara M, Chayama K. Clinical significance of type V(OI) pit pattern subclassification in determining the depth of invasion of colorectal neoplasms. *World J Gastroenterol.* 2008
- (82) Utoh R, Tateno C, Yamasaki C, Hiraga N, Kataoka M, Shimada T, Chayama K, Yoshizumi K. Susceptibility of chimeric mice with livers repopulated by serially subcultured human hepatocytes to hepatitis B virus. *Hepatology.* 2008
- (83) Hiyama T, Yoshihara M, Tanaka S, Chayama K. The number of criminal prosecutions against physicians due to medical negligence is on the rise in Japan. *Am J Emerg Med.* 2008
- (84) Kodama M, Kitadai Y, Shishido T, Shimamoto M, Fukumoto A, Masuda H, Tanaka S, Yoshihara M, Sakai A, Nakayama H, Chayama K. Primary follicular lymphoma of the gastrointestinal tract: a retrospective case series. *Endoscopy.* 2008
- (85) Higashi Y, Goto C, Jitsuiki D, Umemura T, Nishioka K, Hidaka T, Takemoto H, Nakamura S, Soga J, Chayama K, Yoshizumi M, Taguchi A. Periodontal infection is associated with endothelial dysfunction in healthy subjects and hypertensive patients. *Hypertension.* 2008.
- (86) Nishioka K, Hidaka T, Nakamura S, Umemura T, Jitsuiki D, Soga J, Goto C, Chayama K, Yoshizumi M, Higashi Y. Pycnogenol, French maritime pine bark extract, augments endothelium-dependent vasodilation in humans. *Hypertens Res.* 2007
- (87) Fujii Y, Nishioka K, Yoshizumi M, Chayama K, Higashi Y. Images in cardiovascular medicine. Corkscrew collaterals in thromboangitis obliterans (Buerger's disease). *Circulation.* 2007
- (88) Shimamoto M, Ueno Y, Tanaka S, Onitake T, Hanaoka R, Yoshioka K, Hatakeyama T, Chayama K. Selective decrease in colonic CD56(0+) T and CD161(0+) T cells in the inflamed mucosa of patients with ulcerative colitis. *World J Gastroenterol.* 2007
- (89) Xie XF, Ito M, Yoshihara M, Haruma K, Tanaka S, Chayama K. Serum pepsinogen levels in the Japanese population: prospective study of 9 years of follow-up. *Hepatogastroenterology.* 2007
- (90) Imagawa S, Yoshihara M, Ito M, Yoshida S, Wada Y, Tatsugami M, Takamura A, Tanaka S, Haruma K, Chayama K. Evaluation of gastric cancer risk using topography of histological gastritis: a large-scaled cross-sectional study. *Dig Dis Sci.* 2008
- (91) Hirata M, Tanaka S, Oka S, Kaneko I, Yoshida S, Yoshihara M, Chayama K. Evaluation of microvessels in colorectal tumors by narrow band imaging magnification. *Gastrointest Endosc.* 2007
- (92) Nakao M, Hata J, Manabe N, Okanobu H, Tanaka S, Haruma K, Chayama K. Evaluation of colon cancer vascularity by flash echo imaging. *Scand J Gastroenterol.* 2008
- (93) Uka K, Aikata H, Takaki S, Miki D, Kawaoka T, Jeong SC, Takahashi S, Toyota N, Ito K, Chayama K. Pretreatment predictor of response, time to progression, and survival to intraarterial 5-fluorouracil/interferon combination therapy in patients with advanced hepatocellular carcinoma. *J Gastroenterol.* 2007
- (94) Yatsuji H, Hiraga N, Mori N, Hatakeyama T, Tsuge M, Imamura M, Takahashi S, Fujimoto Y, Ochi H, Abe H, Maekawa T, Suzuki F, Kumada H, Chayama K. Successful treatment of an entecavir-resistant hepatitis B virus variant. *J Med Virol.* 2007
- (95) Uka K, Aikata H, Takaki S, Miki D, Jeong SC, Hiramatsu A, Kodama H, Shirakawa H, Kawakami Y,

- Takahashi S, Toyota N, Ito K, Chayama K. Similar effects of recombinant interferon- α -2b and natural interferon- α when combined with intra-arterial 5-fluorouracil for the treatment of advanced hepatocellular carcinoma. *Liver Int.* 2007
- (96) Xie XF, Ito M, Sumii M, Tanaka S, Yoshihara M, Chayama K. Helicobacter pylori-associated gastritis is related to babA2 expression without heterogeneity of the 3' region of the cagA genotype in gastric biopsy specimens. *Pathobiology.* 2007
- (97) Tashiro H, Itamoto T, Sasaki T, Ohdan H, Fudaba Y, Amano H, Fukuda S, Nakahara H, Ishiyama K, Ohshita A, Kohashi T, Mitsuta H, Chayama K, Asahara T. Biliary complications after duct-to-duct biliary reconstruction in living-donor liver transplantation: causes and treatment. *World J Surg.* 2007
- (98) Jeong SC, Aikata H, Katamura Y, Azakami T, Kawaoka T, Saneto H, Uka K, Mori N, Takaki S, Kodama H, Waki K, Imamura M, Shirakawa H, Kawakami Y, Takahashi S, Chayama K. Effects of a 24-week course of interferon- α therapy after curative treatment of hepatitis C virus-associated hepatocellular carcinoma. *World J Gastroenterol.* 2007
- (99) Jeong S, Aikata H, Katamura Y, Azakami T, Kawaoka T, Saneto H, Uka K, Mori N, Takaki S, Kodama H, Waki K, Imamura M, Shirakawa H, Kawakami Y, Takahashi S, Chayama K. Low-dose intermittent interferon- α therapy for HCV-related liver cirrhosis after curative treatment of hepatocellular carcinoma. *World J Gastroenterol.* 2007
- (100) Nonaka M, Tazuma S, Hyogo H, Kanno K, Chayama K. Cytoprotective effect of tauroursodeoxycholate on hepatocyte apoptosis induced by peroxisome proliferator-activated receptor gamma ligand. *J Gastroenterol Hepatol.* 2008
- (101) Hiyama T, Yoshihara M, Matsuo K, Kusunoki H, Kamada T, Ito M, Tanaka S, Chayama K, Haruma K. Treatment of functional dyspepsia with serotonin agonists: a meta-analysis of randomized controlled trials. *J Gastroenterol Hepatol.* 2007
- (102) Katamura Y, Aikata H, Azakami T, Kawaoka T, Uka K, Yamashina K, Takaki S, Kodama H, Cheol JS, Hiramatsu A, Imamura M, Kawakami Y, Takahashi S, Toyota N, Ito K, Chayama K. Balloon-occluded retrograde transvenous obliteration for portal-systemic encephalopathy due to superior mesenteric-caval shunt via the right gonadal vein. *Intern Med.* 2007
- (103) Hiraga N, Aikata H, Takaki S, Kodama H, Shirakawa H, Imamura M, Kawakami Y, Takahashi S, Toyota N, Ito K, Tanaka S, Kitamoto M, Chayama K. The long-term outcome of patients with bleeding gastric varices after balloon-occluded retrograde transvenous obliteration. *J Gastroenterol.* 2007
- (104) Goto C, Nishioka K, Umemura T, Jitsuiki D, Sakaguchi A, Kawamura M, Chayama K, Yoshizumi M, Higashi Y. Acute moderate-intensity exercise induces vasodilation through an increase in nitric oxide bioavailability in humans. *Am J Hypertens.* 2007
- (105) Hiyama T, Yoshihara M, Tanaka S, Chayama K. Genetic polymorphisms and esophageal cancer risk. *Int J Cancer.* 2007
- (106) Mukai S, Hiyama T, Tanaka S, Yoshihara M, Arihiro K, Chayama K. Involvement of Kruppel-like factor 6 (KLF6) mutation in the development of nonpolypoid colorectal carcinoma. *World J Gastroenterol.* 2007
- (107) Kaneko I, Tanaka S, Oka S, Yoshida S, Hiyama T, Arihiro K, Shimamoto F, Chayama K. Immunohistochemical molecular markers as predictors of curability of endoscopically resected submucosal colorectal cancer. *World J Gastroenterol.* 2007
- (108) Yoshida S, Tanaka S, Hirata M, Mouri R, Kaneko I, Oka S, Yoshihara M, Chayama K. Optical biopsy of GI lesions by reflectance-type laser-scanning confocal microscopy. *Gastrointest Endosc.* 2007
- (109) Tanaka S, Oka S, Kaneko I, Hirata M, Mouri R, Kanao H, Yoshida S, Chayama K. Endoscopic submucosal dissection for colorectal neoplasia: possibility of standardization. *Gastrointest Endosc.* 2007
- (110) Miyanaka Y, Ueno Y, Tanaka S, Yoshioka K, Hatakeyama T, Shimamoto M, Sumii M, Chayama K. Clinical significance of mucosal suppressors of cytokine signaling 3 expression in ulcerative colitis. *World J Gastroenterol.* 2007
- (111) Matsumoto A, Tanaka E, Minami M, Okanoue T, Yatsuhashi H, Nagaoka S, Suzuki F, Kobayashi M, Chayama K, Imamura M, Yotsuyanagi H, Nakaoka S, Maki N, Kawata S, Kumada H, Iino S, Kiyosawa K. Low serum level of hepatitis B core-related antigen indicates unlikely reactivation of hepatitis after cessation of lamivudine therapy. *Hepatol Res.* 2007
- (112) Egi Y, Ito M, Tanaka S, Imagawa S, Takata S, Yoshihara M, Haruma K, Chayama K. Role of Helicobacter pylori infection and chronic inflammation in gastric cancer in the cardia. Egi Y,

- Ito M, Tanaka S, Imagawa S, Takata S, Yoshihara M, Haruma K, Chayama K. Jpn J Clin Oncol (113)Tashiro H, Itamoto T, Ohdan H, Fudaba Y, Kohashi T, Amano H, Ishiyama K, Takahashi S, Aikata H, Chayama K, Arihiro K, Asahara T. Should splenectomy be performed for hepatitis C patients undergoing living-donor liver transplantation? J Gastroenterol Hepatol.2007.
- (114)Hyogo H, Yamagishi S, Iwamoto K, Arihiro K, Takeuchi M, Sato T, Ochi H, Nonaka M, Nabeshima Y, Inoue M, Ishitobi T, Chayama K, Tazuma S. Elevated levels of serum advanced glycation end products in patients with non-alcoholic steatohepatitis. J Gastroenterol Hepatol. 2007
- (115)Chen H, Takahashi S, Imamura M, Okutani E, Zhang ZG, Chayama K, Chen BA. Earthworm fibrinolytic enzyme: anti-tumor activity on human hepatoma cells in vitro and in vivo. Chin Med J (Engl). 2007
- (116)Brydun A, Watari Y, Yamamoto Y, Okuhara K, Teragawa H, Kono F, Chayama K, Oshima T, Ozono R. Reduced expression of heme oxygenase-1 in patients with coronary atherosclerosis. Hypertens Res. 2007
- (117)Hiraga N, Imamura M, Tsuge M, Noguchi C, Takahashi S, Iwao E, Fujimoto Y, Abe H, Maekawa T, Ochi H, Tateno C, Yoshizato K, Sakai A, Sakai Y, Honda M, Kaneko S, Wakita T, Chayama K. Infection of human hepatocyte chimeric mouse with genetically engineered hepatitis C virus and its susceptibility to interferon. FEBS Lett. 2007
- (118)Hatakeyama T, Noguchi C, Hiraga N, Mori N, Tsuge M, Imamura M, Takahashi S, Kawakami Y, Fujimoto Y, Ochi H, Abe H, Maekawa T, Kawakami H, Yatsuji H, Aisaka Y, Kohno H, Aimitsu S, Chayama K. Serum HBV RNA is a predictor of early emergence of the YMDD mutant in patients treated with lamivudine. Hepatology. 2007
- (119)Miyoshi M, Nakano Y, Sakaguchi T, Ogi H, Oda N, Suenari K, Kiyotani K, Ozono R, Oshima T, Yoshida T, Chayama K. Gene delivery of paraoxonase-1 inhibits neointimal hyperplasia after arterial balloon-injury in rabbits fed a high-fat diet. Hypertens Res. 2007
- (120)Soga J, Nishioka K, Nakamura S, Umemura T, Jitsuiki D, Hidaka T, Teragawa H, Takemoto H, Goto C, Yoshizumi M, Chayama K, Higashi Y. Measurement of flow-mediated vasodilation of the brachial artery: a comparison of measurements in the seated and supine positions. Circ J. 2007
- (121)Kunihiro K, Hata J, Manabe N, Mitsuoka Y, Tanaka S, Haruma K, Chayama K. Predicting the need for surgery in Crohn's disease with contrast harmonic ultrasound. Scand J Gastroenterol. 2007
- (122)Mitsuoka Y, Hata J, Haruma K, Manabe N, Tanaka S, Chayama K. New method of evaluating gastric mucosal blood flow by ultrasound. Scand J Gastroenterol. 2007
- (123)Kimura M, Ueda K, Goto C, Jitsuiki D, Nishioka K, Umemura T, Noma K, Yoshizumi M, Chayama K, Higashi Y. Repetition of ischemic preconditioning augments endothelium-dependent vasodilation in humans: role of endothelium-derived nitric oxide and endothelial progenitor cells. Arterioscler Thromb Vasc Biol. 2007
- (124)Miyazaki M, Higashi Y, Goto C, Chayama K, Yoshizumi M, Sanada H, Orihashi K, Sueda T. Sarpogrelate hydrochloride, a selective 5-HT_{2A} antagonist, improves vascular function in patients with peripheral arterial disease. J Cardiovasc Pharmacol. 2007
- (125)Takata S, Ito M, Yoshihara M, Tanaka S, Imagawa S, Haruma K, Chayama K. Host factors contributing to the discovery of gastric cancer after successful eradication therapy of *Helicobacter pylori*: preliminary report. J Gastroenterol Hepatol. 2007
- (126)Hirata M, Tanaka S, Oka S, Kaneko I, Yoshida S, Yoshihara M, Chayama K. Magnifying endoscopy with narrow band imaging for diagnosis of colorectal tumors. Gastrointest Endosc. 2007
- (127)Fukumoto A, Manabe N, Tanaka S, Yamaguchi T, Matsumoto Y, Chayama K. Usefulness of EUS with double-balloon enteroscopy for diagnosis of small-bowel diseases. Gastrointest Endosc. 2007
- (128)Kimura S, Tanaka S, Kusunoki H, Kitadai Y, Sumii M, Tazuma S, Yoshihara M, Haruma K, Chayama K. Cavernous hemangioma in the ascending colon treated by endoscopic mucosal resection J Gastroenterol Hepatol. 2007
- (129)Hiyama T, Yoshihara M, Matsuo K, Kusunoki H, Kamada T, Ito M, Tanaka S, Nishi N, Chayama K, Haruma K. Meta-analysis of the effects of prokinetic agents in patients with functional dyspepsia J Gastroenterol Hepatol. 2007
- (130)Noma K, Goto C, Nishioka K, Jitsuiki D, Umemura T, Ueda K, Kimura M, Nakagawa K, Oshima T, Chayama K, Yoshizumi M, Liao JK, Higashi Y. Roles of rho-associated kinase and oxidative stress in the pathogenesis of aortic stiffness. J Am Coll Cardiol. 2007
- (131)Noguchi C, Hiraga N, Mori N, Tsuge M, Imamura M, Takahashi S, Fujimoto Y, Ochi H, Abe H, Maekawa T, Yatsuji H, Shirakawa K, Takaori-Kondo A, Chayama K. Dual effect of APOBEC3G on Hepatitis B

virus. *J Gen Virol.* 2007

(132)Kodama M, Kitadai Y, Ito M, Kai H, Masuda H, Tanaka S, Yoshihara M, Fujimura K, Chayama K. Immune Response to CagA Protein is Associated with Improved Platelet Count After *Helicobacter pylori* Eradication in Patients with Idiopathic Thrombocytopenic Purpura. *Helicobacter.* 2007

(133)Uka K, Aikata H, Takaki S, Shirakawa H, Jeong SC, Yamashina K, Hiramatsu A, Kodama H, Takahashi S, Chayama K. Clinical features and prognosis of patients with extrahepatic metastases from hepatocellular carcinoma. *World J Gastroenterol.* 2007

(134)Nishioka K, Nakagawa K, Umemura T, Jitsuiki D, Ueda K, Goto C, Chayama K, Yoshizumi M, Higashi Y. Carvedilol improves endothelium-dependent vasodilation in patients with dilated cardiomyopathy. *Heart.* 2007

(135)Nakano Y, Tashiro S, Kinoshita E, Kinoshita-Kikuta E, Takenaka S, Miyoshi M, Ogi H, Sakoda E, Oda N, Suenari K, Tonouchi Y, Okimoto T, Hirai Y, Miura F, Yamaoka K, Koike T, Chayama K. Non-SCN5A related Brugada syndromes: verification of normal splicing and trafficking of SCN5A without exonic mutations. *Ann Hum Genet.* 2007

(136)Hiyama T, Yoshihara M, Tanaka S, Urabe Y, Ikegami Y, Fukuhara T, Chayama K. Basis of decreased risk of gastric cancer in severe atrophic gastritis with eradication of *Helicobacter pylori*. *Dig Dis Sci.* 2007

(137)Tari A, Kitadai Y, Sumii M, Sasaki A, Tani H, Tanaka S, Chayama K. Basis of decreased risk of gastric cancer in severe atrophic gastritis with eradication of *Helicobacter pylori*. *Dig Dis Sci.* 2007

(138)Oka S, Tanaka S, Kaneko I, Mouri R, Hirata M, Kawamura T, Yoshihara M, Chayama K. Advantage of endoscopic submucosal dissection compared with EMR for early gastric cancer. *Gastrointest Endosc.* 2006

(139)Umemura T, Ueda K, Nishioka K, Hidaka T, Takemoto H, Nakamura S, Jitsuiki D, Soga J, Goto C, Chayama K, Yoshizumi M, Higashi Y. Effects of acute administration of caffeine on vascular function. *Am J Cardiol.* 2006. Epub 2006

(140)Kaneko I, Tanaka S, Oka S, Kawamura T, Hiyama T, Ito M, Yoshihara M, Shimamoto F, Chayama K. Lymphatic vessel density at the site of deepest penetration as a predictor of lymph node metastasis in submucosal colorectal cancer. *Dis Colon Rectum.* 2007

(141)Hiyama T, Tanaka S, Yoshihara M, Fukuhara T, Mukai S, Chayama K. Medical malpractice litigation related to gastrointestinal endoscopy in Japan: a two-decade review of civil court cases. *World J Gastroenterol.* 2006

(142)Matsumoto Y, Manabe N, Tanaka S, Fukumoto A, Yamaguchi T, Shimamoto M, Nakao M, Mitsuoka Y, Chayama K. Small-intestinal Peutz-Jeghers polyps resected by endoscopic polypectomy with double-balloon enteroscopy and removal confirmed by ultrasonography. *Dig Dis Sci.* 2006

(143)Cho S, Kitadai Y, Yoshida S, Tanaka S, Yoshihara M, Yoshida K, Chayama K. Genetic and pathologic characteristics of gastrointestinal stromal tumors in extragastric lesions. *Int J Mol Med.* 2006

(144)Ni L, Teragawa H, Ueda K, Takemoto H, Hidaka T, Nishioka K, Soga J, Oda N, Nakano Y, Shingu T, Chayama K. Successive, rapid recurrences of in-stent restenoses in a woman with angina pectoris. *Intern Med.* 2006

(145)Oka S, Tanaka S, Kaneko I, Mouri R, Hirata M, Kanao H, Kawamura T, Yoshida S, Yoshihara M, Chayama K. Endoscopic submucosal dissection for residual/local recurrence of early gastric cancer after endoscopic mucosal resection. *Endoscopy.* 2006

(146)Ohishi W, Fujiwara S, Suzuki G, Kishi T, Sora M, Matsuura S, Hakoda M, Tatsukawa Y, Yamada M, Chayama K. Feasibility of freeze-dried sera for serological and molecular biological detection of hepatitis B and C viruses. *J Clin Microbiol.* 2006

(147)Serikawa M, Sasaki T, Fujimoto Y, Kuwahara K, Chayama K. Management of intraductal papillary-mucinous neoplasm of the pancreas: treatment strategy based on morphologic classification. *J Clin Gastroenterol.* 2006.

(148)Umemura T, Nishioka K, Igarashi A, Kato Y, Ochi M, Chayama K, Yoshizumi M, Higashi Y. Autologous bone marrow mononuclear cell implantation induces angiogenesis and bone regeneration in a patient with compartment syndrome. *Circ J.* 2006

(149)Tanaka S, Kaltenbach T, Chayama K, Soetikno R. High-magnification colonoscopy (with videos). *Gastrointest Endosc.* 2006

(150)Hiramatsu A, Gotoh B, Fujii Y, Yoshida T, Chayama K, Sakaguchi T. Suppression of interferon-related promoter activation by hepatitis C virus proteins expressed in cultured

cells. *Hiroshima J Med Sci.* 2006

(151) Yatsuji H, Noguchi C, Hiraga N, Mori N, Tsuge M, Imamura M, Takahashi S, Iwao E, Fujimoto Y, Ochi H, Abe H, Maekawa T, Tateno C, Yoshizato K, Suzuki F, Kumada H, Chayama K. Emergence of a novel lamivudine-resistant hepatitis B virus variant with a substitution outside the YMDD motif. *Antimicrob Agents Chemother.* 2006

(152) Shima H, Hiyama T, Tanaka S, Yoshihara M, Arihiro K, Chayama K. Genetic progression and divergence in superficial esophageal squamous cell carcinoma by loss of heterozygosity analysis. *Oncol Rep.* 2006

(153) Sasao S, Hiyama T, Tanaka S, Mukai S, Yoshihara M, Chayama K. Medical malpractice litigation in gastroenterological practice in Japan: a 22-yr review of civil court cases. *Am J Gastroenterol.* 2006

(154) Kunihiro K, Manabe N, Hata J, Kamino D, Nakao M, Mitsuoka Y, Tanaka S, Chayama K. Gastrointestinal stromal tumor in jejunum: diagnosis using contrast-enhanced ultrasonography and double-balloon enteroscopy. *Dig Dis Sci.* 2006

(155) Kose K, Hiyama T, Tanaka S, Yoshihara M, Yasui W, Chayama K. Nuclear and mitochondrial DNA microsatellite instability in gastrointestinal stromal tumors. *Pathobiology.* 2006

(156) Kobuke T, Tazuma S, Hyogo H, Chayama K. A Ligand for peroxisome proliferator-activated receptor gamma inhibits human cholangiocarcinoma cell growth: potential molecular targeting strategy for cholangioma. *Dig Dis Sci.* 2006

(157) Kohno H, Aimitsu S, Kitamoto M, Aisaka Y, Kawakami H, Chayama K. Prolonged negative HCV-RNA status led to a good outcome in chronic hepatitis C patients with genotype 1b and super-high viral load. *Intervirology.* 2006

(158) Arataki K, Kumada H, Toyota K, Ohishi W, Takahashi S, Tazuma S, Chayama K. Evolution of hepatitis C virus quasispecies during ribavirin and interferon-alpha-2b combination therapy and interferon-alpha-2b monotherapy. *Intervirology.* 2006

(159) Ueno Y, Tanaka S, Kanao H, Yoshioka K, Hatakeyama T, Shimamoto M, Miyanaka Y, Hiyama T, Ito M, Kitadai Y, Yoshihara M, Chayama K. A case of Crohn's disease with hydronephrosis caused by ureteropelvic junction obstruction. *Eur J Gastroenterol Hepatol.* 2006

(160) Manabe N, Tanaka S, Fukumoto A, Nakao M, Kamino D, Chayama K. Double-balloon enteroscopy in patients with GI bleeding of obscure origin. *Gastrointest Endosc.* 2006

(161) Sasao S, Hiyama T, Tanaka S, Yoshihara M, Yasui W, Chayama K. Clinicopathologic and genetic characteristics of gastric cancer in young male and female patients. *Oncol Rep.* 2006

(162) Kamino D, Hata J, Haruma K, Manabe N, Tanaka S, Chayama K...

(163) Nabeshima Y, Tazuma S, Kanno K, Hyogo H, Iwai M, Horiuchi M, Chayama K. Anti-fibrogenic function of angiotensin II type 2 receptor in CCl4-induced liver fibrosis. *Biochem Biophys Res Commun.* 2006

(164) Ochiuni T, Kitadai Y, Tanaka S, Akagi M, Yoshihara M, Chayama K. Neuropilin-1 is involved in regulation of apoptosis and migration of human colon cancer. *Int J Oncol.* 2006

(165) Umehara T, Sudoh M, Yasui F, Matsuda C, Hayashi Y, Chayama K, Kohara M. Serine palmitoyltransferase inhibitor suppresses HCV replication in a mouse model. *Biochem Biophys Res Commun.* 2006

(166) Yokomichi H, Tsuji K, Hayashi Y, Kaneko M, Nakadoi K, Ishida Y, Kuwabara T, Tsumuna T, Sumida T, Nagata S, Ohgoshi H, Uraki S, Hidaka T, Chayama K...

(167) Higashi Y, Nishioka K, Umemura T, Chayama K, Yoshizumi M. Oxidative stress, endothelial function and angiogenesis induced by cell therapy and gene therapy. *Curr Pharm Biotechnol.* 2006

(168) Tamiya T, Takao S, Ichikawa T, Chayama K, Date I. Successful chemotherapy for congenital malignant gliomas: a report of two cases. *Pediatr Neurosurg.* 2006

(169) Kim S, Ito M, Haruma K, Egi Y, Ueda H, Tanaka S, Chayama K. Surface structure of antral gastric mucosa represents the status of histologic gastritis: fundamental evidence for the evaluation of antral gastritis by magnifying endoscopy. *J Gastroenterol Hepatol.* 2006

(170) Cho S, Kitadai Y, Yoshida S, Tanaka S, Yoshihara M, Yoshida K, Chayama K. Deletion of the KIT gene is associated with liver metastasis and poor prognosis in patients with gastrointestinal stromal tumor in the stomach. *Int J Oncol.* 2006

(171) Ueda H, Ito M, Tanaka S, Oka S, Takata S, Imagawa S, Xie XF, Yoshihara M, Haruma K, Chayama K. The effect of *Helicobacter pylori* eradication therapy on gastric ulcer healing after endoscopic mucosal resection. *J Clin Gastroenterol.* 2006

- (172) Yamaguchi T, Manabe N, Hata J, Tanaka S, Haruma K, Chayama K. The usefulness of transabdominal ultrasound for the diagnosis of lower gastrointestinal bleeding. *Aliment Pharmacol Ther.* 2006
- (173) Egi Y, Kim S, Ito M, Tanaka S, Yoshihara M, Haruma K, Chayama K. Helicobacter pylori infection is the major risk factor for gastric inflammation in the cardia. *Dig Dis Sci.* 2006
- (174) Ueda H, Ito M, Eguchi H, Tanaka S, Yoshihara M, Haruma K, Hatakeyama M, Chayama K. Development of a novel method to detect Helicobacter pylori cagA genotype from paraffin-embedded materials: comparison between patients with duodenal ulcer and gastric cancer in young Japanese. *Digestion.* 2006
- (175) Miyata H, Sasaki T, Kuwahara K, Serikawa M, Chayama K. The effects of ZD1839 (Iressa), a highly selective EGFR tyrosine kinase inhibitor, as a radiosensitizer in bile duct carcinoma cell lines. *Int J Oncol.* 2006
- (176) Tanaka S, Haruma K, Yoshihara M, Kajiyama G, Kira K, Amagase H, Chayama K. Aged garlic extract has potential suppressive effect on colorectal adenomas in humans. *J Nutr.* 2006
- (177) Soetikno R, Friedland S, Kaltenbach T, Chayama K, Tanaka S. Nonpolypoid (flat and depressed) colorectal neoplasms. *Gastroenterology.* 2006
- (178) Kamada T, Sugiu K, Hata J, Kusunoki H, Hamada H, Kido S, Nagashima Y, Kawamura Y, Tanaka S, Chayama K, Haruma K. Evaluation of endoscopic and histological findings in Helicobacter pylori-positive Japanese young adults. *J Gastroenterol Hepatol.* 2006
- (179) Yamashina K, Yamamoto H, Chayama K, Nakajima K, Kikuchi A. Suppression of STAT3 activity by Duplin, which is a negative regulator of the Wnt signal. *J Biochem (Tokyo).* 2006
- (180) Ito M, Tanaka S, Kamada T, Haruma K, Chayama K. Causal role of Helicobacter pylori infection and eradication therapy in gastric carcinogenesis. *World J Gastroenterol.* 2006
- (181) Tanaka E, Matsumoto A, Suzuki F, Kobayashi M, Mizokami M, Tanaka Y, Okanoue T, Minami M, Chayama K, Imamura M, Yatsushashi H, Nagaoka S, Yotsuyanagi H, Kawata S, Kimura T, Maki N, Iino S, Kiyosawa K; HBV Core-Related Antigen Study Group. Measurement of hepatitis B virus core-related antigen is valuable for identifying patients who are at low risk of lamivudine resistance. *Liver Int.* 2006
- (182) Katsumoto M, Shingu T, Kuwashima R, Nakata A, Nomura S, Chayama K. Biphasic effect of HMG-CoA reductase inhibitor, pitavastatin, on vascular endothelial cells and angiogenesis. *Circ J.* 2005
- (183) Fukushi K, Ito H, Kimura K, Yokota K, Saito K, Chayama K, Takeda S, Wakida S. Determination of ammonium in river water and sewage samples by capillary zone electrophoresis with direct UV detection. *J Chromatogr A.* 2006
- (184) Kuroda T, Kitadai Y, Tanaka S, Yang X, Mukaida N, Yoshihara M, Chayama K. Monocyte chemoattractant protein-1 transfection induces angiogenesis and tumorigenesis of gastric carcinoma in nude mice via macrophage recruitment. *Clin Cancer Res.* 2005
- (185) Komichi D, Tazuma S, Nishioka T, Hyogo H, Chayama K. Glycochenodeoxycholate plays a carcinogenic role in immortalized mouse cholangiocytes via oxidative DNA damage. *Free Radic Biol Med.* 2005
- (186) Teragawa H, Ueda K, Matsuda K, Kimura M, Higashi Y, Oshima T, Yoshizumi M, Chayama K. Relationship between endothelial function in the coronary and brachial arteries. *Clin Cardiol.* 2005
- (187) Tsuge M, Hiraga N, Takaishi H, Noguchi C, Oga H, Imamura M, Takahashi S, Iwao E, Fujimoto Y, Ochi H, Chayama K, Tateno C, Yoshizato K. Infection of human hepatocyte chimeric mouse with genetically engineered hepatitis B virus. *Hepatology.* 2005
- (188) Kose K, Hiyama T, Tanaka S, Yoshihara M, Yasui W, Chayama K. Somatic mutations of mitochondrial DNA in digestive tract cancers. *J Gastroenterol Hepatol.* 2005
- (189) Kinoshita E, Kinoshita-Kikuta E, Kojima H, Nakano Y, Chayama K, Koike T. Reliable and cost-effective screening of inherited heterozygosity by Zn²⁺-cyclen polyacrylamide gel electrophoresis. *Clin Chem.* 2005
- (190) Noma K, Goto C, Nishioka K, Hara K, Kimura M, Umemura T, Jitsuiki D, Nakagawa K, Oshima T, Chayama K, Yoshizumi M, Higashi Y. Smoking, endothelial function, and Rho-kinase in humans. *Arterioscler Thromb Vasc Biol.* 2005
- (191) Numata Y, Tazuma S, Ueno Y, Nishioka T, Hyogo H, Chayama K. Therapeutic effect of repeated natural killer T cell stimulation in mouse cholangitis complicated by colitis. *Dig Dis Sci.* 2005
- (192) Ueda K, Teragawa H, Kimura M, Matsuda K, Higashi Y, Yamagata T, Oshima T, Yoshizumi M, Chayama K. Adrenomedullin causes coronary vasodilation in humans: effects of inhibition of nitric oxide synthesis. *J Cardiovasc Pharmacol.* 2005
- (193) Tsuge M, Hamamoto R, Silva FP, Ohnishi Y, Chayama K, Kamatani N, Furukawa Y, Nakamura Y. A variable number of tandem repeats polymorphism in an E2F-1 binding element in the 5' flanking region

- of SMYD3 is a risk factor for human cancers. *Nat Genet.* 2005
- (194) Nishioka T, Hyogo H, Numata Y, Yamaguchi A, Kobuke T, Komichi D, Nonaka M, Inoue M, Nabeshima Y, Ogi M, Iwamoto K, Ishitobi T, Ajima T, Chayama K, Tazuma S. A nuclear receptor-mediated choleric action of fibrates is associated with enhanced canalicular membrane fluidity and transporter activity mediating bile acid-independent bile secretion. *J Atheroscler Thromb.* 2005
- (195) Higashi Y, Sasaki S, Nakagawa K, Kimura M, Noma K, Hara K, Jitsuiki D, Goto C, Oshima T, Chayama K, Yoshizumi M. Tetrahydrobiopterin improves aging-related impairment of endothelium-dependent vasodilation through increase in nitric oxide production. *Atherosclerosis.* 2006
- (196) Shima H, Hiyama T, Tanaka S, Ito M, Kitadai Y, Yoshihara M, Arihiro K, Chayama K. Loss of heterozygosity on chromosome 10p14-p15 in colorectal carcinoma. *Pathobiology.* 2005
- (197) Kimura S, Kitadai Y, Kuwai T, Tanaka S, Hihara J, Yoshida K, Toge T, Chayama K. Expression of p53 protein in esophageal squamous cell carcinoma: relation to hypoxia-inducible factor-1 α , angiogenesis and apoptosis. *Pathobiology.* 2005
- (198) Nagata S, Tanaka S, Ito M, Yoshihara M, Haruma K, Chayama K. Cardiac glands hyperplastic polyp of the stomach. *J Gastroenterol Hepatol.* 2005
- (199) Okanobu H, Hata J, Haruma K, Mitsuoka Y, Kunihiro K, Manabe N, Tanaka S, Chayama K. . .
- (200) Ito M, Tanaka S, Kim S, Tahara K, Kawamura Y, Sumii M, Takehara Y, Hayashi K, Okamoto E, Kunihiro M, Kunita T, Imagawa S, Takata S, Ueda H, Egi Y, Hiyama T, Ueno Y, Kitadai Y, Yoshihara M, Chayama K. A combination of the *Helicobacter pylori* stool antigen test and urea breath test is useful for clinical evaluation of eradication therapy: a multicenter study. *J Gastroenterol Hepatol.* 2005
- (201) Takahashi S, Chayama K. Integration of hepatitis B virus DNA and hepatocellular carcinoma. *J Gastroenterol Hepatol.* 2005
- (202) Yamaguchi A, Tazuma S, Nishioka T, Ohishi W, Hyogo H, Nomura S, Chayama K. Integration of hepatitis B virus DNA and hepatocellular carcinoma. *J Gastroenterol Hepatol.* 2005
- (203) Yamaguchi T, Manabe N, Tanaka S, Fukumoto A, Shimamoto M, Nakao M, Kamino D, Chayama K. Multiple carcinoid tumors of the ileum preoperatively diagnosed by enteroscopy with the double-balloon technique. *Gastrointest Endosc.* 2005
- (204) Onogawa S, Kitadai Y, Amioka T, Kodama M, Cho S, Kuroda T, Ochiuni T, Kimura S, Kuwai T, Tanaka S, Chayama K. Expression of vascular endothelial growth factor (VEGF)-C and VEGF-D in early gastric carcinoma: correlation with clinicopathological parameters. *Cancer Lett.* 2005
- (205) Miho N, Ishida T, Kuwaba N, Ishida M, Shimote-Abe K, Tabuchi K, Oshima T, Yoshizumi M, Chayama K. Role of the JNK pathway in thrombin-induced ICAM-1 expression in endothelial cells. *Cardiovasc Res.* 2005
- (206) Yumura-Yagi K, Inoue M, Sakata N, Okamura T, Yasui M, Sawada A, Sato E, Chayama K, Endo C, Sasabe M, Miyamura T, Park YD, Nakano T, Inagaki J, Kishimoto T, Nomura K, Saito I, Hamada S, Nakano T, Hashii Y, Kawa K. Unrelated donor bone marrow transplantation for 100 pediatric patients: a single institute's experience. *Bone Marrow Transplant.* 2005
- (207) Kamada T, Hata J, Kusunoki H, Sugiu K, Ito M, Tanaka S, Kawamura Y, Chayama K, Haruma K. Effect of long-term half-dose famotidine therapy on corpus gastritis in peptic ulcer disease. *Aliment Pharmacol Ther.* 2005
- (208) Kamada T, Hata J, Kusunoki H, Kido S, Hamada H, Aoki R, Nishida T, Komoto K, Todo H, Sumioka M, Tanimoto T, Sanuki E, Sumii K, Ogoshi H, Hidaka T, Dongmei Q, Chayama K, Haruma K. Effect of famotidine on recurrent bleeding after successful endoscopic treatment of bleeding peptic ulcer. *Aliment Pharmacol Ther.* 2005
- (209) Kai H, Kitadai Y, Kodama M, Cho S, Kuroda T, Ito M, Tanaka S, Ohmoto Y, Chayama K. Involvement of proinflammatory cytokines IL-1 β and IL-6 in progression of human gastric carcinoma. *Anticancer Res.* 2005
- (210) Kamada T, Hata J, Sugiu K, Kusunoki H, Ito M, Tanaka S, Inoue K, Kawamura Y, Chayama K, Haruma K. Clinical features of gastric cancer discovered after successful eradication of *Helicobacter pylori*: results from a 9-year prospective follow-up study in Japan. *Aliment Pharmacol Ther.* 2005.
- (211) Higashi Y, Chayama K, Yoshizumi M. Angiotensin II type I receptor blocker and endothelial function in humans: role of nitric oxide and oxidative stress. *Curr Med Chem Cardiovasc Hematol*

Agents. 2005

(212)Komichi D, Tazuma S, Nishioka T, Hyogo H, Chayama K. A nuclear receptor ligand down-regulates cytosolic phospholipase A2 expression to reduce bile acid-induced cyclooxygenase 2 activity in cholangiocytes: implications of anticarcinogenic action of farnesoid X receptor agonists. .

(213)Sugiyama S, Kishida S, Chayama K, Koyama S, Kikuchi A. Ubiquitin-interacting motifs of Epsin are involved in the regulation of insulin-dependent endocytosis. *J Biochem (Tokyo)*. 2005

(214)Ueda K, Goto C, Jitsuiki D, Umemura T, Nishioka K, Kimura M, Noma K, Nakagawa K, Oshima T, Yoshizumi M, Chayama K, Higashi Y. *J Cardiovasc Pharmacol*. 2005

(215)Ito M, Tanaka S, Takata S, Oka S, Imagawa S, Ueda H, Egi Y, Kitadai Y, Yasui W, Yoshihara M, Haruma K, Chayama K. Morphological changes in human gastric tumours after eradication therapy of *Helicobacter pylori* in a short-term follow-up. *Aliment Pharmacol Ther*. 2005

(216)Tanaka S, Haruma K, Kunihiro M, Nagata S, Kitadai Y, Manabe N, Sumii M, Yoshihara M, Kajiyama G, Chayama K. Effects of aged garlic extract (AGE) on colorectal adenomas: a double-blinded study. *Hiroshima J Med Sci*. 2004

(217)Noguchi C, Ishino H, Tsuge M, Fujimoto Y, Imamura M, Takahashi S, Chayama K. G to A hypermutation of hepatitis B virus. *Hepatology*. 2005

(218)Ueno Y, Tanaka S, Shimamoto M, Miyanaka Y, Hiyama T, Ito M, Kitadai Y, Yoshihara M, Sumii M, Chayama K. Infliximab therapy for Crohn's disease in a patient with chronic hepatitis B. *Dig Dis Sci*. 2005

(219)Kamada T, Hata J, Kusunoki H, Ito M, Tanaka S, Kawamura Y, Chayama K, Haruma K. Eradication of *Helicobacter pylori* increases the incidence of hyperlipidaemia and obesity in peptic ulcer patients. *Dig Liver Dis*. 2005

(220)Kitadai Y, Kodama M, Cho S, Kuroda T, Ochiuni T, Kimura S, Tanaka S, Matsumura S, Yasui W, Chayama K. Quantitative analysis of lymphangiogenic markers for predicting metastasis of human gastric carcinoma to lymph nodes. *Int J Cancer*. 2005

(221)Yoshida S, Tanaka S, Kunihiro K, Mitsuoka Y, Hara M, Kitadai Y, Hata J, Yoshihara M, Haruma K, Hayakawa N, Chayama K. Diagnostic ability of high-frequency ultrasound probe sonography in staging early gastric cancer, especially for submucosal invasion. *Abdom Imaging*. 2005

(222)Ueno Y, Tanaka S, Sumii M, Miyake S, Tazuma S, Taniguchi M, Yamamura T, Chayama K. . .

(223)Tsuji K, Naoki K, Tachiyama Y, Fukumoto A, Ishida Y, Kuwabara T, Sumida T, Tatsugami M, Nagata S, Ohgoshi H, Uraki S, Hidaka T, Akagi Y, Ishine M, Saeki S, Chayama K. A case of congenital absence of the portal vein. *Hepatol Res*. 2005

(224)Imamura M, Ogawa T, Sasaguri Y, Chayama K, Ueno H. Suppression of macrophage infiltration inhibits activation of hepatic stellate cells and liver fibrogenesis in rats. *Gastroenterology*. 2005

(225)Tanaka Y, Hanada K, Orito E, Akahane Y, Chayama K, Yoshizawa H, Sata M, Ohta N, Miyakawa Y, Gojobori T, Mizokami M. Molecular evolutionary analyses implicate injection treatment for schistosomiasis in the initial hepatitis C epidemics in Japan. *J Hepatol*. 2005

(226)Kunihiro M, Tanaka S, Sumii M, Ueno Y, Ito M, Kitadai Y, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Magnifying colonoscopic features of ulcerative colitis reflect histologic inflammation. *Inflamm Bowel Dis*. 2004

(227)Sanada H, Higashi Y, Goto C, Chayama K, Yoshizumi M, Sueda T. Vascular function in patients with lower extremity peripheral arterial disease: a comparison of functions in upper and lower extremities. *Atherosclerosis*. 2005

(228)Matsumura S, Oue N, Nakayama H, Kitadai Y, Yoshida K, Yamaguchi Y, Imai K, Nakachi K, Matsusaki K, Chayama K, Yasui W. A single nucleotide polymorphism in the MMP-9 promoter affects tumor progression and invasive phenotype of gastric cancer. *J Cancer Res Clin Oncol*. 2005

(229)Miura F, Hirao H, Nakano Y, Teragawa H, Shingu T, Chayama K. Improvement of atrial signal-averaged electrocardiographic abnormalities after radiofrequency catheter ablation in persistent atrial flutter. *Jpn Heart J*. 2004

(230)Tsuboi K, Tazuma S, Nishioka T, Chayama K. Partial characterization of cytoprotective mechanisms of lecithin against bile salt-induced bile duct damage. *J Gastroenterol*. 2004

(231)Takeda S, Fukushi K, Chayama K, Nakayama Y, Tanaka Y, Wakida S. Simultaneous separation and on-line concentration of amitrole and benzimidazole pesticides by capillary electrophoresis with a volatile migration buffer applicable to mass spectrometric detection. *J Chromatogr A*. 2004

- (232) Tsuda M, Sanada M, Higashi Y, Hara Y, Kodama I, Chayama K, Yoshizumi M, Ohama K. Apolipoprotein E phenotype affects the malondialdehyde-modified LDL concentration and forearm endothelial function in postmenopausal women. *Clin Endocrinol (Oxf)*. 2004
- (233) Kuwai T, Kitadai Y, Tanaka S, Kuroda T, Ochiuni T, Matsumura S, Oue N, Yasui W, Kaneyasu M, Tanimoto K, Nishiyama M, Chayama K. Single nucleotide polymorphism in the hypoxia-inducible factor-1 α gene in colorectal carcinoma. *Oncol Rep*. 2004
- (234) Jitsuiki D, Higashi Y, Goto C, Kimura M, Noma K, Hara K, Nakagawa K, Oshima T, Chayama K, Yoshizumi M. Effect of edaravone, a novel free radical scavenger, on endothelium-dependent vasodilation in smokers. *Am J Cardiol*. 2004
- (235) Oshimo Y, Kuraoka K, Nakayama H, Kitadai Y, Yoshida K, Chayama K, Yasui W. Epigenetic inactivation of SOCS-1 by CpG island hypermethylation in human gastric carcinoma. *Int J Cancer*. 2004
- (236) Sasaki A, Kitadai Y, Ito M, Tanaka S, Yoshihara M, Haruma K, Chayama K. Mucin phenotype and background mucosa of intramucosal differentiated-type adenocarcinoma of the stomach. *Oncology*. 2004
- (237) Dakhama A, Park JW, Taube C, Chayama K, Balhorn A, Joetham A, Wei XD, Fan RH, Swasey C, Miyahara N, Kodama T, Alvarez A, Takeda K, Gelfand EW. The role of virus-specific immunoglobulin E in airway hyperresponsiveness. *Am J Respir Crit Care Med*. 2004
- (238) Kimura S, Kitadai Y, Tanaka S, Kuwai T, Hihara J, Yoshida K, Toge T, Chayama K. Expression of hypoxia-inducible factor (HIF)-1 α is associated with vascular endothelial growth factor expression and tumour angiogenesis in human oesophageal squamous cell carcinoma. *Eur J Cancer*. 2004
- (239) Shima H, Hiyama T, Tanaka S, Ito M, Kitadai Y, Yoshihara M, Arihiro K, Haruma K, Chayama K. Frequent loss of heterozygosity on chromosome 10p14-p15 in esophageal dysplasia and squamous cell carcinoma. *Oncol Rep*. 2004
- (240) Numata Y, Tazuma S, Nishioka T, Ueno Y, Chayama K. Immune response in mouse experimental cholangitis associated with colitis induced by dextran sulfate sodium. *J Gastroenterol Hepatol*. 2004
- (241) Tanaka T, Tanimoto K, Otani K, Satoh K, Ohtaki M, Yoshida K, Toge T, Yahata H, Tanaka S, Chayama K, Okazaki Y, Hayashizaki Y, Hiyama K, Nishiyama M. Concise prediction models of anticancer efficacy of 8 drugs using expression data from 12 selected genes. *Int J Cancer*. 2004
- (242) Hiyama T, Tanaka S, Yoshihara M, Sasao S, Kose K, Shima H, Tuncel H, Ueno Y, Ito M, Kitadai Y, Yasui W, Haruma K, Chayama K. Chromosomal and microsatellite instability in sporadic gastric cancer. *J Gastroenterol Hepatol*. 2004
- (243) Teragawa H, Fukuda Y, Matsuda K, Ueda K, Higashi Y, Oshima T, Yoshizumi M, Chayama K. Relation between C reactive protein concentrations and coronary microvascular endothelial function. *Heart*. 2004
- (244) Onogawa S, Kitadai Y, Tanaka S, Kuwai T, Kuroda T, Chayama K. Regulation of vascular endothelial growth factor (VEGF)-C and VEGF-D expression by the organ microenvironment in human colon carcinoma. *Eur J Cancer*. 2004
- (245) Kai H, Ito M, Kitadai Y, Tanaka S, Haruma K, Chayama K. Chronic gastritis with expression of inducible nitric oxide synthase is associated with high expression of interleukin-6 and hypergastrinaemia. *Aliment Pharmacol Ther*. 2004. Erratum in: *Aliment Pharmacol Ther*. 2004
- (246) Yoshida S, Tanaka S, Kamino D, Nakao M, Oka S, Kitadai Y, Hayakawa N, Haruma K, Chayama K. Initial experience with catheter probe US when using a multibending endoscope. *Gastrointest Endosc*. 2004
- (247) Murakami M, Sasaki T, Yamasaki S, Kuwahara K, Miyata H, Chayama K. Induction of apoptosis by ionizing radiation and CI-1033 in HuCCT-1 cells. *Biochem Biophys Res Commun*. 2004
- (248) Murakami M, Sasaki T, Miyata H, Yamasaki S, Kuwahara K, Chayama K. Fas and Fas ligand: Expression and soluble circulating levels in bile duct carcinoma. *Oncol Rep*. 2004
- (249) Kunihiro K, Hata J, Haruma K, Manabe N, Tanaka S, Chayama K. Sonographic detection of longitudinal ulcers in Crohn disease. *Scand J Gastroenterol*. 2004
- (250) Kim S, Harum K, Ito M, Tanaka S, Yoshihara M, Chayama K. Magnifying gastroendoscopy for diagnosis of histologic gastritis in the gastric antrum. *Dig Liver Dis*. 2004
- (251) Oshimo Y, Oue N, Mitani Y, Nakayama H, Kitadai Y, Yoshida K, Chayama K, Yasui W. Frequent epigenetic inactivation of RIZ1 by promoter hypermethylation in human gastric carcinoma. *Int J Cancer*. 2004
- (252) Masuda H, Hiyama T, Yoshihara M, Tanaka S, Haruma K, Chayama K. Characteristics and trends of clarithromycin-resistant *Helicobacter pylori* isolates in Japan over a decade. *Pathobiology*. 2004
- (253) Oshimo Y, Oue N, Mitani Y, Nakayama H, Kitadai Y, Yoshida K, Ito Y, Chayama K, Yasui W. Frequent

loss of RUNX3 expression by promoter hypermethylation in gastric carcinoma. *Pathobiology*. 2004

(254) Tsuji K, Watanabe Y, Kouno H, Aisaka Y, Masanaga T, Ishihara H, Kamiyasu M, Nakanishi T, Chayama K, Asahara T, Coppel R, Gershwin ME. A case of latent primary biliary cirrhosis. *Hepatol Res*. 2004

(255) Higashi Y, Kimura M, Hara K, Noma K, Jitsuiki D, Nakagawa K, Oshima T, Chayama K, Sueda T, Goto C, Matsubara H, Murohara T, Yoshizumi M. Autologous bone-marrow mononuclear cell implantation improves endothelium-dependent vasodilation in patients with limb ischemia. *Circulation*. 2004

(256) Nakano Y, Niida S, Dote K, Takenaka S, Hirao H, Miura F, Ishida M, Shingu T, Sueda T, Yoshizumi M, Chayama K. Matrix metalloproteinase-9 contributes to human atrial remodeling during atrial fibrillation. *J Am Coll Cardiol*. 2004

(257) Matsumura S, Oue N, Kitadai Y, Chayama K, Yoshida K, Yamaguchi Y, Toge T, Imai K, Nakachi K, Yasui W. A single nucleotide polymorphism in the MMP-1 promoter is correlated with histological differentiation of gastric cancer. *J Cancer Res Clin Oncol*. 2004

(258) Ohishi W, Shirakawa H, Kawakami Y, Kimura S, Kamiyasu M, Tazuma S, Nakanishi T, Chayama K. Identification of rare polymerase variants of hepatitis B virus using a two-stage PCR with peptide nucleic acid clamping. *J Med Virol*. 2004.

(259) Kuwai T, Kitadai Y, Tanaka S, Hiyama T, Tanimoto K, Chayama K. Mutation of the von Hippel-Lindau (VHL) gene in human colorectal carcinoma: association with cytoplasmic accumulation of hypoxia-inducible factor (HIF)-1 α . *Cancer Sci*. 2004

(260) Ochiimi T, Tanaka S, Oka S, Hiyama T, Ito M, Kitadai Y, Haruma K, Chayama K. Clinical significance of angiopoietin-2 expression at the deepest invasive tumor site of advanced colorectal carcinoma. *Int J Oncol*. 2004

(261) Asada N, Tanaka Y, Hayashido Y, Toratani S, Kan M, Kitamoto M, Nakanishi T, Kajiyama G, Chayama K, Okamoto T. Expression of fibroblast growth factor receptor genes in human hepatoma-derived cell lines. *In Vitro Cell Dev Biol Anim*. 2003

(262) Oka S, Tanaka S, Hiyama T, Ito M, Kitadai Y, Yoshihara M, Haruma K, Chayama K. Clinicopathologic and endoscopic features of colorectal serrated adenoma: differences between polypoid and superficial types. *Gastrointest Endosc*. 2004

(263) Onogawa S, Kitadai Y, Tanaka S, Kuwai T, Kimura S, Chayama K. Expression of VEGF-C and VEGF-D at the invasive edge correlates with lymph node metastasis and prognosis of patients with colorectal carcinoma. *Cancer Sci*. 2004

(264) Kitadai Y, Onogawa S, Kuwai T, Matsumura S, Hamada H, Ito M, Tanaka S, Yoshihara M, Chayama K. Angiogenic switch occurs during the precancerous stage of human esophageal squamous cell carcinoma. *Oncol Rep*. 2004

(265) Komichi D, Tazuma S, Nishioka T, Hyogo H, Une M, Chayama K. Unique inhibition of bile salt-induced apoptosis by lecithins and cytoprotective bile salts in immortalized mouse cholangiocytes. *Dig Dis Sci*. 2003

(266) Ohishi W, Chayama K. Rare quasispecies in the YMDD motif of hepatitis B virus detected by polymerase chain reaction with peptide nucleic acid clamping. *Intervirology*. 2003

(267) Matsuda K, Teragawa H, Fukuda Y, Ueda K, Higashi Y, Sakai K, Miura F, Hirao H, Yamagata T, Yoshizumi M, Chayama K. Response of the left anterior descending coronary artery to acetylcholine in patients with chest pain and angiographically normal coronary arteries. *Am J Cardiol*. 2003

(268) Kuwahara K, Sasaki T, Kobayashi K, Noma B, Serikawa M, Iiboshi T, Miyata H, Kuwada Y, Murakami M, Yamasaki S, Kariya K, Morinaka K, Chayama K. Gemcitabine suppresses malignant ascites of human pancreatic cancer: correlation with VEGF expression in ascites. *Oncol Rep*. 2004

(269) Amioka T, Kitadai Y, Hiyama T, Tanaka S, Yoshihara M, Haruma K, Chayama K. Expression of human telomerase reverse transcriptase mRNA in esophageal cancers and precancerous lesions. *Oncol Rep*. 2004

(270) Kitadai Y, Sasaki A, Ito M, Tanaka S, Oue N, Yasui W, Aihara M, Imagawa K, Haruma K, Chayama K. Helicobacter pylori infection influences expression of genes related to angiogenesis and invasion in human gastric carcinoma cells. *Biochem Biophys Res Commun*. 2003

(271) Oshimo Y, Nakayama H, Ito R, Kitadai Y, Yoshida K, Chayama K, Yasui W. Promoter methylation of cyclin D2 gene in gastric carcinoma. *Int J Oncol*. 2003

(272) Ishida M, Ishida T, Nakashima H, Miho N, Miyagawa K, Chayama K, Oshima T, Kambe M, Yoshizumi M. Mnk1 is required for angiotensin II-induced protein synthesis in vascular smooth muscle cells. *Circ Res*. 2003

- (273) Oka S, Tanaka S, Nagata S, Hiyama T, Ito M, Kitadai Y, Yoshihara M, Haruma K, Chayama K. Clinicopathologic features and endoscopic resection of early primary nonampullary duodenal carcinoma. *J Clin Gastroenterol*. 2003
- (274) Takeda S, Omura A, Chayama K, Tsuji H, Fukushi K, Yamane M, Wakida S, Tsubota S, Terabe S. Separation and on-line concentration of bisphenol A and alkylphenols by micellar electrokinetic chromatography with anionic surfactant. *J Chromatogr A*. 2003
- (275) Ueda A, Ozono R, Oshima T, Yano A, Kambe M, Teranishi Y, Katsuki M, Chayama K. Disruption of the type 2 dopamine receptor gene causes a sodium-dependent increase in blood pressure in mice. *Am J Hypertens*. 2003
- (276) Hiyama T, Tanaka S, Shima H, Kose K, Tuncel H, Ito M, Kitadai Y, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Somatic mutation in mitochondrial DNA and nuclear microsatellite instability in gastric cancer. *Oncol Rep*. 2003
- (277) Masuda H, Hiyama T, Yoshihara M, Tanaka S, Shimamoto F, Haruma K, Chayama K. Necessity of multiple gastric biopsies from different sites for detection of clarithromycin-resistant *Helicobacter pylori* strains. *Scand J Gastroenterol*. 2003
- (278) Sanomura M, Tanaka S, Ito M, Chayama K. Depressed-type, early duodenal carcinoma (carcinoma in situ) treated by endoscopic mucosal resection. *J Gastroenterol*. 2003
- (279) Hiyama T, Tanaka S, Masuda H, Shima H, Kose K, Tuncel H, Ito M, Kitadai Y, Sumii M, Uemura N, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Prevalence of *Helicobacter pylori* resistance to clarithromycin and metronidazole determined by 23S ribosomal RNA and rdxA gene analyses in Hiroshima, Japan. *J Gastroenterol Hepatol*. 2003
- (280) Kuwai T, Tanaka S, Kaio E, Hiyama T, Ito M, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. Clinical significance of Fhit expression in development of colorectal carcinoma of various macroscopic types. *Int J Mol Med*. 2003
- (281) Kaio E, Tanaka S, Oka S, Hiyama T, Kitadai Y, Haruma K, Chayama K. Clinical significance of thrombospondin-1 expression in relation to vascular endothelial growth factor and interleukin-10 expression at the deepest invasive tumor site of advanced colorectal carcinoma. *Int J Oncol*. 2003
- (282) Ohishi W, Kitamoto M, Aikata H, Kamada K, Kawakami Y, Ishihara H, Kamiyasu M, Nakanishi T, Tazuma S, Chayama K. Impact of aging on the development of hepatocellular carcinoma in patients with hepatitis C virus infection in Japan. *Scand J Gastroenterol*. 2003
- (283) Ito M, Tanaka S, Kim S, Kuwai T, Matsutani N, Kamada T, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. The specific expression of hypoxia inducible factor-1alpha in human gastric mucosa induced by nonsteroidal anti-inflammatory drugs. *Aliment Pharmacol Ther*. 2003
- (284) Kodama K, Sumii K, Kawano M, Kido T, Nojima K, Sumii M, Haruma K, Yoshihara M, Chayama K. Gastric juice nitrite and vitamin C in patients with gastric cancer and atrophic gastritis: is low acidity solely responsible for cancer risk? *Eur J Gastroenterol Hepatol*. 2003
- (285) Matsumura S, Oue N, Ito R, Nakayama H, Kitadai Y, Yokozaki H, Chayama K, Yasui W. The promoter methylation status of the DNA repair gene O6-methylguanine-DNA methyltransferase in ulcerative colitis. *Virchows Arch*. 2003
- (286) Teragawa H, Fukuda Y, Matsuda K, Hirao H, Higashi Y, Yamagata T, Oshima T, Matsuura H, Chayama K. Myocardial bridging increases the risk of coronary spasm. *Clin Cardiol*. 2003
- (287) Hiyama T, Tanaka S, Masuda H, Shima H, Kose K, Tuncel H, Ito M, Kitadai Y, Sumii M, Uemura N, Yoshihara M, Shimamoto F, Haruma K, Chayama K. p53 expression, K-ras gene mutation and microsatellite instability in gastric B-cell lymphomas. *J Gastroenterol Hepatol*. 2003
- (288) Kanno K, Tazuma S, Chayama K. AT1A-deficient mice show less severe progression of liver fibrosis induced by CCl(4). *Biochem Biophys Res Commun*. 2003
- (289) Hiyama T, Tanaka S, Shima H, Kose K, Kitadai Y, Ito M, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Frequent loss of heterozygosity on chromosome 10p15, a putative telomerase repressor/senescence gene locus, in gastric cancer. *Oncol Rep*. 2003
- (290) Murakami M, Sasaki T, Kuwada Y, Yamasaki S, Kuwahara K, Chayama K. Prognostic value of p53 and Ki-67 expression in resected or biopsy specimens of bile duct carcinoma. *Oncol Rep*. 2003
- (291) Higashi Y, Sasaki S, Nakagawa K, Kimura M, Noma K, Sasaki S, Hara K, Matsuura H, Goto C, Oshima T, Chayama K, Yoshizumi M. Low body mass index is a risk factor for impaired endothelium-dependent vasodilation in humans: role of nitric oxide and oxidative stress. *J Am Coll Cardiol*. 2003
- (292) Goto C, Higashi Y, Kimura M, Noma K, Hara K, Nakagawa K, Kawamura M, Chayama K, Yoshizumi M,

- Nara I. Effect of different intensities of exercise on endothelium-dependent vasodilation in humans: role of endothelium-dependent nitric oxide and oxidative stress. *Circulation*. 2003
- (293) Hiyama T, Tanaka S, Shima H, Kose K, Kitadai Y, Ito M, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Somatic mutation of mitochondrial DNA in *Helicobacter pylori*-associated chronic gastritis in patients with and without gastric cancer. *Int J Mol Med*. 2003
- (294) Kido T, Sumii K, Kawano M, Sumii M, Yoshihara M, Chayama K. Food deprivation enhances somatostatin and somatostatin receptor subtype expression in rat colon. *Regul Pept*. 2003
- (295) Yoshida K, Ueno S, Iwao T, Yamasaki S, Tsuchida A, Ohmine K, Ohki R, Choi YL, Koinuma K, Wada T, Ota J, Yamashita Y, Chayama K, Sato K, Mano H. Screening of genes specifically activated in the pancreatic juice ductal cells from the patients with pancreatic ductal carcinoma. *Cancer Sci*. 2003
- (296) Sasaki A, Haruma K, Manabe N, Tanaka S, Yoshihara M, Chayama K. Long-term observation of reflux oesophagitis developing after *Helicobacter pylori* eradication therapy. *Aliment Pharmacol Ther*. 2003
- (297) Kanno K, Tazuma S, Niida S, Chayama K. Unique reciprocal changes of hepatocellular membrane transporter expression and fluidity in rats with selective biliary obstruction. *Hepatol Res*. 2003
- (298) Takahashi R, Tanaka S, Hiyama T, Ito M, Kitadai Y, Sumii M, Haruma K, Chayama K. Hypoxia-inducible factor-1 α expression and angiogenesis in gastrointestinal stromal tumor of the stomach. *Oncol Rep*. 2003
- (299) Nakai K, Tazuma S, Nishioka T, Chayama K. Inhibition of cholesterol crystallization under bilirubin deconjugation: partial characterization of mechanisms whereby infected bile accelerates pigment stone formation. *Biochim Biophys Acta*. 2003
- (300) Miyamoto M, Haruma K, Yoshihara M, Hiyama T, Sumioka M, Nishisaka T, Tanaka S, Chayama K. Nodular gastritis in adults is caused by *Helicobacter pylori* infection. *Dig Dis Sci*. 2003
- (301) Tanaka J, Kumada H, Ikeda K, Chayama K, Mizui M, Hino K, Katayama K, Kumagai J, Komiya Y, Miyakawa Y, Yoshizawa H. Natural histories of hepatitis C virus infection in men and women simulated by the Markov model. *J Med Virol*. 2003
- (302) Miyamoto M, Haruma K, Yoshihara M, Sumioka M, Kamada T, Ito M, Masuda H, Nishisaka T, Tanaka S, Chayama K. Isolated granulomatous gastritis successfully treated by *Helicobacter pylori* eradication: a possible association between granulomatous gastritis and *Helicobacter pylori*. *J Gastroenterol*. 2003
- (303) Kiyohira K, Yoshihara M, Ito M, Haruma K, Tanaka S, Chayama K. Serum pepsinogen concentration as a marker of *Helicobacter pylori* infection and the histologic grade of gastritis: evaluation of gastric mucosa by serum pepsinogen levels. *J Gastroenterol*. 2003
- (304) Kamada T, Haruma K, Kusunoki H, Miyamoto M, Ito M, Kitadai Y, Yoshihara M, Chayama K, Tahara K, Kawamura Y. Significance of an exaggerated meal-stimulated gastrin response in pathogenesis of *Helicobacter pylori*-negative duodenal ulcer. *Dig Dis Sci*. 2003
- (305) Kuwahara K, Sasaki T, Kuwada Y, Murakami M, Yamasaki S, Chayama K. Expressions of angiogenic factors in pancreatic ductal carcinoma: a correlative study with clinicopathologic parameters and patient survival. *Pancreas*. 2003
- (306) Noma K, Higashi Y, Jitsuiki D, Hara K, Kimura M, Nakagawa K, Goto C, Oshima T, Yoshizumi M, Chayama K. Smoking activates rho-kinase in smooth muscle cells of forearm vasculature in humans. *Hypertension*. 2003
- (307) Takahashi R, Tanaka S, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. Expression of vascular endothelial growth factor and angiogenesis in gastrointestinal stromal tumor of the stomach. *Oncology*. 2003
- (308) Sanada M, Higashi Y, Nakagawa K, Kodama I, Tsuda M, Nagai N, Chayama K, Ohama K. Comparison of forearm endothelial function between premenopausal and postmenopausal women with or without hypercholesterolemia. *Maturitas*. 2003
- (309) Yamaguchi A, Tazuma S, Ochi H, Chayama K. Choleric action of diosgenin is based upon the increases in canalicular membrane fluidity and transporter activity mediating bile acid independent bile flow. *Hepatol Res*. 2003
- (310) Kimura M, Higashi Y, Hara K, Noma K, Sasaki S, Nakagawa K, Goto C, Oshima T, Yoshizumi M, Chayama K. PDE5 inhibitor sildenafil citrate augments endothelium-dependent vasodilation in smokers. *Hypertension*. 2003
- (311) Noda T, Shimizu W, Tanaka K, Chayama K. Prominent J wave and ST segment elevation: serial electrocardiographic changes in accidental hypothermia. *J Cardiovasc Electrophysiol*. 2003

- (312)Manabe N, Haruma K, Hata J, Nakamura K, Tanaka S, Chayama K. Autonomic nerve dysfunction is closely associated with the abnormalities of esophageal motility in reflux esophagitis. *Scand J Gastroenterol.* 2003
- (313)Sasaki A, Kitadai Y, Ito M, Sumii M, Tanaka S, Yoshihara M, Haruma K, Chayama K. Helicobacter pylori infection influences tumor growth of human gastric carcinomas. *Scand J Gastroenterol.* 2003
- (314)Kuwai T, Kitadai Y, Tanaka S, Onogawa S, Matsutani N, Kaio E, Ito M, Chayama K. Expression of hypoxia-inducible factor-1 α is associated with tumor vascularization in human colorectal carcinoma. *Int J Cancer.* 2003
- (315)Shima H, Tanaka S, Kuwai T, Hiyama T, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. Minute depressed colon cancer with submucosal invasion. *Gastrointest Endosc.* 2003. No abstract available
- (316)Tsuboi K, Tazuma S, Ochi H, Chayama K. Hydrophilic bile salts have a cytoprotective effect against cyclosporine A-induced cholestasis through enhanced canalicular membrane fluidity and transporter activity. *Hepatol Res.* 2003
- (317)Teragawa H, Matsuura H, Chayama K, Oshima T. Mechanisms responsible for vasodilation upon magnesium infusion in vivo: clinical evidence. *Magnes Res.* 2002
- (318)Ohta M, Kitadai Y, Tanaka S, Yoshihara M, Yasui W, Mukaida N, Haruma K, Chayama K. Monocyte chemoattractant protein-1 expression correlates with macrophage infiltration and tumor vascularity in human gastric carcinomas. *Int J Oncol.* 2003
- (319)Kuwada Y, Sasaki T, Morinaka K, Kitadai Y, Mukaida N, Chayama K. Potential involvement of IL-8 and its receptors in the invasiveness of pancreatic cancer cells. *Int J Oncol.* 2003
- (320)Sanada M, Higashi Y, Nakagawa K, Tsuda M, Kodama I, Kimura M, Chayama K, Ohama K. A comparison of low-dose and standard-dose oral estrogen on forearm endothelial function in early postmenopausal women. *J Clin Endocrinol Metab.* 2003
- (321)Matsuda K, Teragawa H, Fukuda Y, Nakagawa K, Higashi Y, Chayama K. Leptin causes nitric-oxide independent coronary artery vasodilation in humans. *Hypertens Res.* 2003
- (322)Okanobu H, Hata J, Haruma K, Hara M, Nakamura K, Tanaka S, Chayama K. Giant gastric folds: differential diagnosis at US. *Radiology.* 2003
- (323)Onogawa S, Tanaka S, Kitadai Y, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Small rectal carcinoid with lymph node metastasis diagnosed prior to treatment. *Eur J Gastroenterol Hepatol.* 2003
- (324)Miyamoto M, Haruma K, Yoshihara M, Sumioka M, Nishisaka T, Tanaka S, Inoue K, Chayama K. Five cases of nodular gastritis and gastric cancer: a possible association between nodular gastritis and gastric cancer. *Dig Liver Dis.* 2002.
- (325)Tazuma S, Nishioka T, Ochi H, Hyogo H, Sunami Y, Nakai K, Tsuboi K, Asamoto Y, Sakamoto M, Numata Y, Kanno K, Yamaguchi A, Kobuke T, Komichi D, Nonaka Y, Chayama K...
- (326)Kurusu S, Ozono R, Oshima T, Kambe M, Ishida T, Sugino H, Matsuura H, Chayama K, Teranishi Y, Iba O, Amano K, Matsubara H. Cardiac angiotensin II type 2 receptor activates the kinin/NO system and inhibits fibrosis. *Hypertension.* 2003
- (327)Taked S, Omura A, Chayama K, Tsuji H, Fukushi K, Yamane M, Wakida S, Tsubota S, Terabe S. Separation and on-line concentration of bisphenol A and alkylphenols by micellar electrokinetic chromatography with cationic surfactant. *J Chromatogr A.* 2002
- (329)Higashi Y, Nakagawa K, Kimura M, Noma K, Hara K, Sasaki S, Goto C, Oshima T, Chayama K, Yoshizumi M. Circadian variation of blood pressure and endothelial function in patients with essential hypertension: a comparison of dippers and non-dippers. *J Am Coll Cardiol.* 2002
- (330)Nakano Y, Ishida T, Ozono R, Matsuura H, Yamamoto Y, Kambe M, Chayama K, Oshima T. A frameshift mutation of beta subunit of epithelial sodium channel in a case of isolated Liddle syndrome. *J Hypertens.* 2002
- (331)Kaio E, Tanaka S, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. Clinical significance of angiogenic factor expression at the deepest invasive site of advanced colorectal carcinoma. *Oncology.* 2003
- (332)Sakai K, Yamagata T, Teragawa H, Matsuura H, Chayama K. Nicorandil-induced preconditioning as evidenced by troponin T measurements after coronary angioplasty in patients with stable angina pectoris. *Jpn Heart J.* 2002
- (333)Kawasaki Y, Tsuchida A, Sasaki T, Yamasaki S, Kuwada Y, Murakami M, Chayama K. Irsogladine malate up-regulates gap junctional intercellular communication between pancreatic cancer cells via PKA

pathway. *Pancreas*. 2002

(334) Oka S, Tanaka S, Hiyama T, Kitadai Y, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Human telomerase reverse transcriptase, p53 and Ki-67 expression and apoptosis in colorectal serrated adenoma. *Scand J Gastroenterol*. 2002

(335) Ohta M, Kitadai Y, Tanaka S, Yoshihara M, Yasui W, Mukaida N, Haruma K, Chayama K...

(336) Sanada M, Higashi Y, Nakagawa K, Tsuda M, Kodama I, Kimura M, Chayama K, Ohama K. Hormone replacement effects on endothelial function measured in the forearm resistance artery in normocholesterolemic and hypercholesterolemic postmenopausal women. *J Clin Endocrinol Metab*. 2002

(337) Kamada K, Kitamoto M, Aikata H, Kawakami Y, Kono H, Imamura M, Nakanishi T, Chayama K. Combination of transcatheter arterial chemoembolization using cisplatin-lipiodol suspension and percutaneous ethanol injection for treatment of advanced small hepatocellular carcinoma. *Am J Surg*. 2002

(338) Sanada M, Higashi Y, Nakagawa K, Tsuda M, Kodama I, Nagai N, Chayama K, Ohama K. Combination therapy of low-dose medroxyprogesterone acetate and oral estrogen does not affect endothelial function in the forearms of postmenopausal women. *Menopause*. 2002

(339) Teragawa H, Fukuda Y, Matsuda K, Higashi Y, Yamagata T, Matsuura H, Chayama K. Effect of alcohol consumption on endothelial function in men with coronary artery disease. *Atherosclerosis*. 2002

(340) Ito M, Tanaka S, Yoshihara M, Chayama K, Haruma K. Single administration of ecabet sodium diminishes the level of delta-13C02 in urea breath test. *J Gastroenterol*. 2002

(341) Ito M, Haruma K, Kamada T, Mihara M, Kim S, Kitadai Y, Sumii M, Tanaka S, Yoshihara M, Chayama K. Helicobacter pylori eradication therapy improves atrophic gastritis and intestinal metaplasia: a 5-year prospective study of patients with atrophic gastritis. *Aliment Pharmacol Ther*. 2002

(342) Tanaka S, Nagata S, Oka S, Kuwai T, Tamura T, Kitadai Y, Sumii M, Yoshihara M, Haruma K, Chayama K. Determining depth of invasion by VN pit pattern analysis in submucosal colorectal carcinoma. *Oncol Rep*. 2002

(343) Manabe N, Yoshihara M, Sasaki A, Tanaka S, Haruma K, Chayama K. Clinical characteristics and natural history of patients with low-grade reflux esophagitis. *J Gastroenterol Hepatol*. 2002

(344) Nagata S, Tanaka S, Haruma K, Kitadai Y, Yoshihara M, Shimamoto F, Chayama K. Advanced colorectal carcinoma smaller than 10 mm in maximum diameter with special reference to clinicopathologic and molecular features: a report of 3 cases. *Gastrointest Endosc*. 2002

(345) Sakai K, Yamagata T, Teragawa H, Matsuura H, Chayama K. Preconditioning effect during coronary angioplasty in patients with stable angina pectoris. *Intern Med*. 2002

(346) Manabe N, Haruma K, Hata J, Kusunoki H, Yoshida S, Futagami K, Tanaka S, Chayama K...

(347) Aoki S, Haruma K, Kusunoki H, Hata J, Hara M, Yoshida S, Tanaka S, Chayama K. Evaluation of gastric emptying measured with the 13C-octanoic acid breath test in patients with functional dyspepsia: comparison with ultrasonography. *Scand J Gastroenterol*. 2002

(348) Hiyama T, Tanaka S, Kitadai Y, Ito M, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. p53 Codon 72 polymorphism in gastric cancer susceptibility in patients with Helicobacter pylori-associated chronic gastritis. *Int J Cancer*. 2002

(349) Chayama K. Management of chronic hepatitis C and prevention of hepatocellular carcinoma. *J Gastroenterol*. 2002

(350) Sasaki T, Fujimoto Y, Tsuchida A, Kawasaki Y, Kuwada Y, Chayama K. Activation of peroxisome proliferator-activated receptor gamma inhibits the growth of human pancreatic cancer. *Pathobiology*. 2001

(351) Amioka T, Kitadai Y, Tanaka S, Haruma K, Yoshihara M, Yasui W, Chayama K. Vascular endothelial growth factor-C expression predicts lymph node metastasis of human gastric carcinomas invading the submucosa. *Eur J Cancer*. 2002

(352) Higashi Y, Sasaki S, Nakagawa K, Matsuura H, Oshima T, Chayama K. Endothelial function and oxidative stress in renovascular hypertension. *N Engl J Med*. 2002

(353) Okanobu H, Hata J, Haruma K, Matsumura S, Yoshida S, Kitadai Y, Tanaka S, Chayama K. Preoperative assessment of gastric cancer vascularity by flash echo imaging. *Scand J Gastroenterol*. 2002

(354) Nakagawa K, Higashi Y, Sasaki S, Oshima T, Matsuura H, Chayama K. Leptin causes vasodilation in humans. *Hypertens Res*. 2002

(355) Ito M, Haruma K, Kaya S, Kai H, Masuda H, Ohta M, Sumii M, Tanaka S, Yoshihara M, Chayama K. Implication of anti-parietal cell antibody levels in gastrointestinal diseases, including gastric

carcinogenesis. *Dig Dis Sci*. 2002

- (356) Kodama K, Sumii K, Kawano M, Kido T, Nojima K, Sumii M, Haruma K, Yoshihara M, Chayama K. *Helicobacter pylori* infection increases serum nitrate and nitrite more prominently than serum pepsinogens. *Helicobacter*. 2002
- (357) Matsutani N, Yokozaki H, Tahara E, Tahara H, Kuniyasu H, Kitadai Y, Haruma K, Chayama K, Tahara E, Yasui W. Expression of MRE11 complex (MRE11, RAD50, NBS1) and hRap1 and its relation with telomere regulation, telomerase activity in human gastric carcinomas. *Pathobiology*. 2001
- (358) Fukuda Y, Teragawa H, Matsuda K, Yamagata T, Matsuura H, Chayama K. Tetrahydrobiopterin improves coronary endothelial function, but does not prevent coronary spasm in patients with vasospastic angina. *Circ J*. 2002
- (359) Haruma K, Ito M, Kido S, Manabe N, Kitadai Y, Sumii M, Tanaka S, Yoshihara M, Chayama K. Long-term rebamipide therapy improves *Helicobacter pylori*-associated chronic gastritis. *Dig Dis Sci*. 2002
- (360) Higashi Y, Sasaki S, Nakagawa K, Fukuda Y, Matsuura H, Oshima T, Chayama K. Tetrahydrobiopterin enhances forearm vascular response to acetylcholine in both normotensive and hypertensive individuals. *Am J Hypertens*. 2002
- (361) Sasaki S, Higashi Y, Nakagawa K, Kimura M, Noma K, Sasaki S, Hara K, Matsuura H, Goto C, Oshima T, Chayama K. A low-calorie diet improves endothelium-dependent vasodilation in obese patients with essential hypertension. *Am J Hypertens*. 2002
- (362) Ito M, Haruma K, Kaya S, Kamada T, Kim S, Sasaki A, Sumii M, Tanaka S, Yoshihara M, Wagner S, Chayama K. Serological comparison of serum pepsinogen and anti-parietal cell antibody levels between Japanese and German patients. *Eur J Gastroenterol Hepatol*. 2002
- (363) Higashi Y, Sasaki S, Nakagawa K, Kimura M, Sasaki S, Noma K, Hara K, Matsuura H, Goto C, Oshima T, Chayama K. Severity of hypertension affects improved resistance artery endothelial function by angiotensin-converting enzyme inhibition. *J Cardiovasc Pharmacol*. 2002
- (364) Kitamoto M, Imamura M, Kamada K, Aikata H, Kawakami Y, Matsumoto A, Kurihara Y, Kono H, Shirakawa H, Nakanishi T, Ito K, Chayama K. High incidence of B-cell monoclonality in follicular gastritis: a possible association between follicular gastritis and MALT lymphoma. *Virchows Arch*. 2002
- (365) Miyamoto M, Haruma K, Hiyama T, Kamada T, Masuda H, Shimamoto F, Inoue K, Chayama K. High incidence of B-cell monoclonality in follicular gastritis: a possible association between follicular gastritis and MALT lymphoma. *Virchows Arch*. 2002
- (366) Onogawa S, Tanaka S, Oka S, Morihara M, Kitadai Y, Sumii M, Yoshihara M, Shimamoto F, Haruma K, Chayama K. Clinical significance of angiogenesis in rectal carcinoid tumors. *Oncol Rep*. 2002
- (367) Sakai K, Yamagata T, Teragawa H, Matsuura H, Chayama K. Nicorandil enhances myocardial tolerance to ischemia without progressive collateral recruitment during coronary angioplasty. *Circ J*. 2002
- (368) Ito M, Haruma K, Kaya S, Kamada T, Kim S, Sasaki A, Sumii M, Tanaka S, Yoshihara M, Chayama K. Role of anti-parietal cell antibody in *Helicobacter pylori*-associated atrophic gastritis: evaluation in a country of high prevalence of atrophic gastritis. *Scand J Gastroenterol*. 2002
- (369) Furudoi A, Tanaka S, Haruma K, Kitadai Y, Yoshihara M, Chayama K, Shimamoto F. Clinical significance of vascular endothelial growth factor C expression and angiogenesis at the deepest invasive site of advanced colorectal carcinoma. *Oncology*. 2002
- (370) Nakamura M, Haruma K, Kamada T, Mihara M, Yoshihara M, Sumioka M, Fukuhara T, Chayama K. Cigarette smoking promotes atrophic gastritis in *Helicobacter pylori*-positive subjects. *Dig Dis Sci*. 2002
- (371) Higashi Y, Sasaki S, Nakagawa K, Kimura M, Sasaki S, Noma K, Matsuura H, Hara K, Goto C, Oshima T, Chayama K. Excess norepinephrine impairs both endothelium-dependent and -independent vasodilation in patients with pheochromocytoma. *Hypertension*. 2002
- (372) Higashi Y, Chayama K. Renal endothelial dysfunction and hypertension. *J Diabetes Complications*. 2002.
- (373) Nakano Y, Oshima T, Ozono R, Ueda A, Oue Y, Matsuura H, Sanada M, Ohama K, Chayama K, Kambe M. Estrogen replacement suppresses function of thrombin stimulated platelets by inhibiting Ca²⁺ influx and raising cyclic adenosine monophosphate. *Cardiovasc Res*. 2002
- (374) Tazuma S, Chayama K. Hepatic hydroxylation of bile acids and chronic liver diseases: do transporters play a mechanistic role? *J Gastroenterol Hepatol*. 2001.
- (375) Fukuda Y, Teragawa H, Matsuda K, Yamagata T, Matsuura H, Chayama K. Tetrahydrobiopterin restores endothelial function of coronary arteries in patients with hypercholesterolaemia. *Heart*. 2002

- (376) Sakamoto M, Tazuma S, Chayama K. Less hydrophobic phosphatidylcholine species simplify biliary vesicle morphology, but induce bile metastability with a broad spectrum of crystal forms. *Biochem J*. 2002
- (377) Nakano Y, Oshima T, Sasaki S, Higashi Y, Ozono R, Takenaka S, Miura F, Hirao H, Matsuura H, Chayama K, Kambe M. Calorie restriction reduced blood pressure in obesity hypertensives by improvement of autonomic nerve activity and insulin sensitivity. *J Cardiovasc Pharmacol*. 2001
- (378) Hiyama T, Haruma K, Kitadai Y, Masuda H, Miyamoto M, Tanaka S, Yoshihara M, Shimamoto F, Chayama K. K-ras mutation in helicobacter pylori-associated chronic gastritis in patients with and without gastric cancer. *Int J Cancer*. 2002
- (379) Nakai K, Tazuma S, Ochi H, Chayama K. Does bilirubin play a role in the pathogenesis of both cholesterol and pigment gallstone formation? Direct and indirect influences of bilirubin on bile lithogenicity. *Biochim Biophys Acta*. 2001
- (380) Higashi Y, Sasaki S, Nakagawa K, Kimura M, Noma K, Sasaki S, Hara K, Matsuura H, Chayama K, Oshima T. Sodium chloride loading does not alter endothelium-dependent vasodilation of forearm vasculature in either salt-sensitive or salt-resistant patients with essential hypertension. *Hypertens Res*. 2001
- (381) Teragawa H, Kato M, Kurokawa J, Yamagata T, Matsuura H, Chayama K. Endothelial dysfunction is an independent factor responsible for vasospastic angina. *Clin Sci (Lond)*. 2001
- (382) Higashi Y, Sasaki S, Nakagawa K, Matsuura H, Chayama K, Oshima T. Effect of obesity on endothelium-dependent, nitric oxide-mediated vasodilation in normotensive individuals and patients with essential hypertension. *Am J Hypertens*. 2001
- (383) Teragawa H, Kato M, Kurokawa J, Yamagata T, Matsuura H, Chayama K. Usefulness of flow-mediated dilation of the brachial artery and/or the intima-media thickness of the carotid artery in predicting coronary narrowing in patients suspected of having coronary artery disease. *Am J Cardiol*. 2001
- (384) Futagami K, Hata J, Haruma K, Yamashita N, Yoshida S, Tanaka S, Chayama K. Extracorporeal ultrasound is an effective diagnostic alternative to endoscopic ultrasound for gastric submucosal tumours. *Scand J Gastroenterol*. 2001
- (385) Suzuki F, Chayama K, Tsubota A, Akuta N, Someya T, Kobayashi M, Suzuki Y, Saitoh S, Arase Y, Ikeda K, Kumada H. Pathogenic significance and organic virus levels in patients infected with TT virus. *Intervirology*. 2001
- (386) Asamoto Y, Tazuma S, Ochi H, Chayama K, Suzuki H. Bile-salt hydrophobicity is a key factor regulating rat liver plasma-membrane communication: relation to bilayer structure, fluidity and transporter expression and function. *Biochem J*. 2001
- (387) Miyoshi E, Haruma K, Hiyama T, Tanaka S, Yoshihara M, Shimamoto F, Chayama K. Microsatellite instability is a genetic marker for the development of multiple gastric cancers. *Int J Cancer*. 2001
- (388) Chen X, Haruma K, Kamada T, Hartori N, Yoshihara M, Kitadai Y, Tanaka S, Sumii K, Chayama K. A low 13C-urea breath test value is associated with increased risk of gastric cancer. *J Gastroenterol*. 2001
- (389) Nagata S, Tanaka S, Haruma K, Kitadai Y, Yoshihara M, Shimamoto F, Kohno N, Chayama K. MUC1 and cathepsin D expression in early colorectal carcinoma showing V type pit pattern. *Int J Oncol*. 2001
- (390) Kido S, Kitadai Y, Hattori N, Haruma K, Kido T, Ohta M, Tanaka S, Yoshihara M, Sumii K, Ohmoto Y, Chayama K. Interleukin 8 and vascular endothelial growth factor — prognostic factors in human gastric carcinomas? *Eur J Cancer*. 2001.
- (391) Matsutani N, Yokozaki H, Tahara E, Tahara H, Kuniyasu H, Haruma K, Chayama K, Yasui W, Tahara E. Expression of telomeric repeat binding factor 1 and 2 and TRF1-interacting nuclear protein 2 in human gastric carcinomas. *Int J Oncol*. 2001
- (392) Kitadai Y, Amioka T, Haruma K, Tanaka S, Yoshihara M, Sumii K, Matsutani N, Yasui W, Chayama K. Clinicopathological significance of vascular endothelial growth factor (VEGF)-C in human esophageal squamous cell carcinomas. *Int J Cancer*. 2001
- (393) Nakano Y, Oshima T, Ozono R, Higashi Y, Sasaki S, Matsumoto T, Matsuura H, Chayama K, Kambe M. Non-dipper phenomenon in essential hypertension is related to blunted nocturnal rise and fall of sympatho-vagal nervous activity and progress in retinopathy. *Auton Neurosci*. 2001
- (394) Arase Y, Chayama K, Ikeda K, Tsubota A, Suzuki Y, Saitoh S, Kobayashi M, Suzuki F, Akuta N, Someya T, Kobayashi M, Kumada H. Randomized controlled clinical trial of lymphoblastoid interferon-alpha for chronic hepatitis C. *Hepatol Res*. 2001

- (395) Kimura S, Mieno H, Tamaki K, Inoue M, Chayama K. Nonselective cation channel as a Ca(2+) influx pathway in pepsinogen-secreting cells of bullfrog esophagus. *Am J Physiol Gastrointest Liver Physiol.* 2001
- (396) Hiyama T, Haruma K, Kitadai Y, Masuda H, Miyamoto M, Ito M, Kamada T, Tanaka S, Uemura N, Yoshihara M, Sumii K, Shimamoto F, Chayama K. Clinicopathological features of gastric mucosa-associated lymphoid tissue lymphoma: a comparison with diffuse large B-cell lymphoma without a mucosa-associated lymphoid tissue lymphoma component. *J Gastroenterol Hepatol.* 2001
- (397) Murachima N, Ikeda K, Kobayashi M, Saitoh S, Chayama K, Tsubota A, Suzuki Y, Suzuki F, Arase Y, Kumada H. Incidence of the appearance of the red color sign on esophageal varices and its predictive factors: long-term observations of 359 patients with cirrhosis. *J Gastroenterol.* 2001
- (398) Tanaka S, Haruma K, Oka S, Takahashi R, Kunihiro M, Kitadai Y, Yoshihara M, Shimamoto F, Chayama K. Clinicopathologic features and endoscopic treatment of superficially spreading colorectal neoplasms larger than 20 mm. *Gastrointest Endosc.* 2001
- (399) Sunami Y, Tazuma S, Chayama K. Is a role of phospholipase A(2) in cholesterol gallstone formation phospholipid species-dependent? *Biochim Biophys Acta.* 2001.
- (400) Tazuma S, Horikawa K, Ochi H, Nishioka T, Sunami Y, Yasumiba S, Asamoto Y, Tsuboi K, Nakai K, Sakomoto M, Kanno K, Yamaguchi A, Numata Y, Chayama K. Dose-dependent conjugation of sulfobromophthalein and hepatic transit time in bile fistula rats: role of the microtubule-dependent vesicle pathway. *Dig Dis Sci.* 2001
- (401) Chayama K, Suzuki F, Tsubota A, Akuta N, Someya T, Kobayashi M, Arase Y, Saitoh S, Suzuki Y, Ikeda K, Kumada H. Evaluation of quantitative measurements of hepatitis C virus RNA to predict sustained response to interferon by genotype. *J Virol Methods.* 2001
- (402) Akuta N, Chayama K, Suzuki F, Someya T, Kobayashi M, Tsubota A, Suzuki Y, Saitoh S, Arase Y, Ikeda K, Kumada H. Risk factors of hepatitis C virus-related liver cirrhosis in young adults: positive family history of liver disease and transporter associated with antigen processing 2 (TAP2)*0201 Allele. *J Med Virol.* 2001
- (403) Ikeda K, Saitoh S, Kobayashi M, Suzuki Y, Suzuki F, Tsubota A, Arase Y, Murashima N, Chayama K, Kumada H. Long-term interferon therapy for 1 year or longer reduces the hepatocellular carcinogenesis rate in patients with liver cirrhosis caused by hepatitis C virus: a pilot study. *J Gastroenterol Hepatol.* 2001
- (404) Hiyama T, Haruma K, Kitadai Y, Ito M, Masuda H, Miyamoto M, Tanaka S, Yoshihara M, Sumii K, Shimamoto F, Chayama K. Helicobacter pylori eradication therapy for high-grade mucosa-associated lymphoid tissue lymphomas of the stomach with analysis of p53 and K-ras alteration and microsatellite instability. *Int J Oncol.* 2001
- (405) Fujimoto Y, Sasaki T, Tsuchida A, Chayama K. Angiotensin II type 1 receptor expression in human pancreatic cancer and growth inhibition by angiotensin II type 1 receptor antagonist. *FEBS Lett.* 2001
- (406) Suzuki F, Chayama K, Tsubota A, Akuta N, Someya T, Kobayashi M, Suzuki Y, Saitoh S, Arase Y, Ikeda K, Kumada H. Twice-daily administration of interferon-beta for chronic hepatitis C is not superior to a once-daily regimen. *J Gastroenterol.* 2001
- (407) Ito M, Haruma K, Kamada T, Kitadai Y, Hidaka T, Tsuda T, Komatsu H, Fukuhara T, Yoshihara M, Chayama K. Reduction in the incidence of Helicobacter pylori-associated carcinoma in Japanese young adults. *Oncol Rep.* 2001
- (408) Chayama K, Papst PJ, Garrington TP, Pratt JC, Ishizuka T, Webb S, Ganiatsas S, Zon LI, Sun W, Johnson GL, Gelfand EW. Role of MEKK2-MEK5 in the regulation of TNF-alpha gene expression and MEKK2-MKK7 in the activation of c-Jun N-terminal kinase in mast cells. *Proc Natl Acad Sci U S A.* 2001
- (409) Yasumiba S, Tazuma S, Ochi H, Chayama K, Kajiyama G. Cyclosporin A reduces canalicular membrane fluidity and regulates transporter function in rats. *Biochem J.* 2001
- (410) Tsubota A, Arase Y, Saitoh S, Kobayashi M, Suzuki Y, Suzuki F, Chayama K, Murashima N, Ikeda K, Kobayashi M, Kumada H. Lamivudine therapy for spontaneously occurring severe acute exacerbation in chronic hepatitis B virus infection: a preliminary study. *Am J Gastroenterol.* 2001
- (411) Higashi Y, Sanada M, Sasaki S, Nakagawa K, Goto C, Matsuura H, Ohama K, Chayama K, Oshima T. Effect of estrogen replacement therapy on endothelial function in peripheral resistance arteries in normotensive and hypertensive postmenopausal women. *Hypertension.* 2001
- (412) Someya T, Suzuki Y, Arase Y, Kobayashi M, Suzuki F, Tsubota A, Saitoh S, Chayama K, Murashima N, Ikeda K, Kumada H. Interferon therapy for flare-up of hepatitis B virus infection after emergence

- of lamivudine-induced YMDD motif mutant. *J Gastroenterol.* 2001
- (413) Hiyama T, Haruma K, Kitadai Y, Ito M, Masuda H, Miyamoto M, Tanaka S, Yoshihara M, Sumii K, Shimamoto F, Chayama K. Microsatellite instability at D18S61 is associated with no regression of gastric mucosa-associated lymphoid tissue lymphoma after *Helicobacter pylori* eradication. *Oncol Rep.* 2001
- (414) Hiyama T, Haruma K, Kitadai Y, Ito M, Masuda H, Miyamoto M, Tanaka S, Yoshihara M, Sumii K, Shimamoto F, Chayama K. *c-myc* gene mutation in gastric mucosa-associated lymphoid tissue (MALT) lymphoma and diffuse large B-cell lymphoma. *Oncol Rep.* 2001
- (415) Arase Y, Ikeda K, Chayama K, Murashima N, Tsubota A, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Suzuki F, Kumada H. Fluctuation patterns of HCV-RNA serum level in patients with chronic hepatitis C. *J Gastroenterol.* 2000
- (416) Arase Y, Ikeda K, Chayama K, Murashima N, Tsubota A, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Suzuki F, Kumada H. Efficacy of IFN therapy based on duration period of negative HCV-RNA during IFN administration. *Hepatol Res.* 2001
- (417) Takeda S, Iida S, Chayama K, Tsuji H, Fukushi K, Wakida S. Separation of bisphenol A and three alkylphenols by micellar electrokinetic chromatography. *J Chromatogr A.* 2000
- (418) Kobayashi M, Chayama K, Arase Y, Tsubota A, Saitoh S, Suzuki Y, Kobayashi M, Murashima N, Ikeda K, Hagiwara M, Hashimoto R, Nakagawa M, Matsuda M, Kumada H. Progressive and sufficient decrease of hepatitis B core antibody can predict the disappearance of hepatitis B virus DNA in Japanese patients with hepatitis B surface antigen clearance. *J Gastroenterol.* 2000
- (419) Ikeda K, Saitoh S, Kobayashi M, Suzuki Y, Tsubota A, Suzuki F, Arase Y, Murashima N, Chayama K, Kumada H. Distinction between chronic hepatitis and liver cirrhosis in patients with hepatitis C virus infection. Practical discriminant function using common laboratory data. *Hepatol Res.* 2000
- (420) Chayama K, Suzuki F, Tsubota A, Kobayashi M, Arase Y, Saitoh S, Suzuki Y, Murashima N, Ikeda K, Takahashi N, Kinoshita M, Kumada H. Association of amino acid sequence in the PKR-eIF2 phosphorylation homology domain and response to interferon therapy. *Hepatology.* 2000
- (421) Kobayashi M, Ikeda K, Akuta N, Someya T, Suzuki F, Tsubota A, Suzuki Y, Saitoh S, Arase Y, Chayama K, Kumada H. Relationship between five-year histological outcome and serial changes in serum alanine aminotransferase in patients with biochemical and virological relapse after interferon treatment for chronic hepatitis C. *Intervirology.* 2000
- (422) Garrington TP, Ishizuka T, Papst PJ, Chayama K, Webb S, Yujiri T, Sun W, Sather S, Russell DM, Gibson SB, Keller G, Gelfand EW, Johnson GL. MEKK2 gene disruption causes loss of cytokine production in response to IgE and c-Kit ligand stimulation of ES cell-derived mast cells. *EMBO J.* 2000
- (423) Arase Y, Ikeda K, Chayama K, Murashima N, Tsubota A, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Suzuki F, Kumada H. Increased response rate to interferon therapy after a second course in hepatitis C patients who show relapse after the initial course. *J Gastroenterol.* 2000
- (424) Ikeda K, Arase Y, Saitoh S, Kobayashi M, Suzuki Y, Suzuki F, Tsubota A, Chayama K, Murashima N, Kumada H. Interferon beta prevents recurrence of hepatocellular carcinoma after complete resection or ablation of the primary tumor—A prospective randomized study of hepatitis C virus-related liver cancer. *Hepatology.* 2000
- (425) Kariwa H, Yoshimatsu K, Araki K, Chayama K, Kumada H, Ogino M, Ebihara H, Murphy ME, Mizutani T, Takashima I, Arikawa J. Detection of hantaviral antibodies among patients with hepatitis of unknown etiology in Japan. *Microbiol Immunol.* 2000
- (426) Kobayashi M, Ikeda K, Saitoh S, Suzuki F, Tsubota A, Suzuki Y, Arase Y, Murashima N, Chayama K, Kumada H. Incidence of primary cholangiocellular carcinoma of the liver in Japanese patients with hepatitis C virus-related cirrhosis. *Cancer.* 2000
- (427) Ubara Y, Hara S, Katori H, Tagami T, Kitamura A, Yokota M, Matsushita Y, Takemoto F, Yamada A, Nagahama K, Hara M, Chayama K. Splenectomy may improve the glomerulopathy of type II mixed cryoglobulinemia. *Am J Kidney Dis.* 2000
- (428) Ikeda K, Saitoh S, Kobayashi M, Suzuki Y, Suzuki F, Tsubota A, Arase Y, Chayama K, Murashima N, Kumada H. Hepatic vascular side effects of styrene maleic acid neocarzinostatin in the treatment of hepatocellular carcinoma. *J Gastroenterol.* 2000
- (429) Hoshida Y, Ikeda K, Kobayashi M, Suzuki Y, Tsubota A, Saitoh S, Arase Y, Kobayashi M, Murashima N, Chayama K, Kumada H. Chronic liver disease in the extremely elderly of 80 years or more: clinical characteristics, prognosis and patient survival analysis. *J Hepatol.* 1999

- (430) Arase Y, Ikeda K, Murashima N, Chayama K, Tsubota A, Koida I, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Kumada H. Time course of histological changes in patients with a sustained biochemical and virological response to corticosteroid withdrawal therapy for chronic hepatitis B. *Am J Gastroenterol.* 1999
- (431) Arase Y, Ikeda K, Chayama K, Murashima N, Tsubota A, Nakamura I, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Kobayashi M, Kumada H. Clinical and virological features of chronic hepatitis C carriers with normal alanine aminotransferase levels despite positive serum HCV-RNA after interferon therapy. *J Gastroenterol.* 1999
- (432) Tsubota A, Kumada H, Arase Y, Chayama K, Saitoh S, Ikeda K, Kobayashi M, Suzuki Y, Murashima N. Combined ursodeoxycholic acid and glycyrrhizin therapy for chronic hepatitis C virus infection: a randomized controlled trial in 170 patients. *Eur J Gastroenterol Hepatol.* 1999
- (433) Hoshida Y, Saitoh S, Murashima N, Ogawa A, Arase Y, Kobayashi M, Suzuki Y, Tsubota A, Chayama K, Ikeda K, Kumada H. Vaginal variceal hemorrhage in a patient with primary biliary cirrhosis: a case successfully treated by balloon-occluded retrograde transvenous obliteration. *Am J Gastroenterol.* 1999
- (434) Kobayashi M, Chayama K, Arase Y, Tsubota A, Saitoh S, Suzuki Y, Kobayashi M, Ikeda K, Matsuda M, Koike H, Hashimoto M, Kumada H. Enzyme-linked immunosorbent assay to detect hepatitis C virus serological groups 1 to 6. *J Gastroenterol.* 1999
- (435) Hashimoto M, Chayama K, Kobayashi M, Tsubota A, Arase Y, Saitoh S, Suzuki Y, Ikeda K, Matsuda M, Koike H, Kobayashi M, Handa H, Kumada H. Fluctuations of hepatitis C virus load are not related to amino acid substitutions in hypervariable region 1 and interferon sensitivity determining region. *J Med Virol.* 1999
- (436) Arase Y, Ikeda K, Chayama K, Murashima N, Tsubota A, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Kobayashi M, Kumada H. *Intern Med.* 1999
- (437) Suzuki Y, Kumada H, Ikeda K, Chayama K, Arase Y, Saitoh S, Tsubota A, Kobayashi M, Koike M, Ogawa N, Tanikawa K. Histological changes in liver biopsies after one year of lamivudine treatment in patients with chronic hepatitis B infection. *J Hepatol.* 1999
- (438) Kobayashi M, Chayama K, Arase Y, Kobayashi M, Tsubota A, Suzuki Y, Koida I, Saitoh S, Murashima N, Ikeda K, Koike H, Hashimoto M, Kobayashi M, Kumada H. Prevalence of TT virus before and after blood transfusion in patients with chronic liver disease treated surgically for hepatocellular carcinoma. *J Gastroenterol Hepatol.* 1999
- (439) Kobayashi M, Chayama K, Arase Y, Tsubota A, Saitoh S, Suzuki Y, Kobayashi M, Kobayashi M, Ikeda K, Matsuda M, Koike H, Hashimoto M, Kumada H. Predictive value of different hepatitis C serological assays in the treatment of chronic hepatitis C with interferon alpha. *J Gastroenterol.* 1999
- (440) Fukushi K, Takeda S, Chayama K, Wakida S. Application of capillary electrophoresis to the analysis of inorganic ions in environmental samples. *J Chromatogr A.* 1999
- (441) Ikeda K, Saitoh S, Arase Y, Chayama K, Suzuki Y, Kobayashi M, Tsubota A, Nakamura I, Murashima N, Kumada H, Kawanishi M. Effect of interferon therapy on hepatocellular carcinogenesis in patients with chronic hepatitis type C: A long-term observation study of 1,643 patients using statistical bias correction with proportional hazard analysis. *Hepatology.* 1999
- (442) Chayama K, Kobayashi M, Tsubota A, Kobayashi M, Arase Y, Suzuki Y, Saitoh S, Murashima N, Ikeda K, Okamoto K, Hashimoto M, Matsuda M, Koike H, Kobayashi M, Kumada H. Susceptibility of TT virus to interferon therapy. *J Gen Virol.* 1999
- (443) Ishizuka T, Chayama K, Takeda K, Hamelmann E, Terada N, Keller GM, Johnson GL, Gelfand EW. Mitogen-activated protein kinase activation through Fc epsilon receptor I and stem cell factor receptor is differentially regulated by phosphatidylinositol 3-kinase and calcineurin in mouse bone marrow-derived mast cells. *J Immunol.* 1999
- (444) Ikeda K, Saitoh S, Suzuki Y, Kobayashi M, Tsubota A, Koida I, Kobayashi M, Arase Y, Chayama K, Murashima N, Kumada H. Relationship of angiographic finding with neovascular structure detected by immunohistochemical staining of alpha-smooth muscle actin in small hepatocellular carcinoma. *J Gastroenterol Hepatol.* 1998
- (445) Arase Y, Ikeda K, Murashima N, Chayama K, Tsubota A, Koida I, Suzuki Y, Saitoh S, Kobayashi M, Kobayashi M, Kobayashi M, Kumada H. Glomerulonephritis in autopsy cases with hepatitis C virus infection. *Intern Med.* 1998
- (446) Tsubota A, Kumada H, Takaki K, Chayama K, Kobayashi M, Kobayashi M, Suzuki Y, Saitoh S, Arase