

TITLES OF PAPERS PRESENTED AT THE 70TH GENERAL MEETING
OF THE JAPANESE SOCIETY OF GASTROENTEROLOGY,
MARCH 26—28, 1984, TOKYO, JAPAN

General Sessions

1. Concentration of hepatitis Be antigen in the various HBV carrier states: Kiyohiko Kurai, et al. (1st Dept Intern Med, Fac Med, Univ of Tokyo)
2. HBV related markers in hemodialysis unit — HB_e, e2 AgAb systems — : Atsushi Kanno (3rd Dept Intern Med, Tohoku Univ Sch Med)
3. Studies of the pathogenesis and prognosis in HBs antigen carrier — Clinical course of anti-HBe positive patients: Toshihiko Iigima, Yasumitsu Imai, Hiroshi Ueyama, Ryuichi Sakita, Seiichi Kobayashi, Izumi Yoshino and Masaji Nambu (Dept Gastroenterol, Centr Hosp JNR)
4. Changes of HBeAg/Ab system and development of chronic hepatitis: Mikio Matsuo, Kenji Kato, Yukihiko Tameda and Yoshitane Kosaka (1st Dept Intern Med, Mie Univ)
5. Antibody to polymerized human serum albumin receptor of HBsAg, in HBsAb positive serum: Fumitake Ohryohji, Kazuo Ohkochi* and Shunichi Koga* (Izuka Hosp, *Kyushu Univ)
6. Clinical study of albumin receptor and HBsAg-IgM complex on chronic hepatitis B infection: H. Seto (1st Dept Intern Med, Hiroshima Univ Sch Med)
7. An immunoelectronmicroscopical study of the δ antigen: Yoshimi Ito (1st Dept Med, Chiba Univ Sch Med)
8. Diagnosis of fulminant hepatitis type B by measurement of anti-HBc IgM: Naoto Maruyama (2nd Dept Intern Med, Kurume Univ Sch Med)
9. The clinical significance of IgM-anti HBc for hepatitis: H. Furui, S. Nakano, K. Sugiyama, H. Watahiki, I. Takeda, H. Kozawa, Y. Kurita and Y. Watanabe (Dept Gastroenterol, Ogaki Munic Hosp, Ogaki)
10. Clinical significance of anti-HBc IgM in HBsAg positive hepatic disease: Shuichi Amaki (3rd Dept Intern Med, Nihon Univ Sch Med)
11. Significance of IgM anti HBc — Comparison between IgM anti HBc RIA kit and RzYME-M — : K. Morioka, H. Honjo, M. Unoura, N. Tanaka, Y. Kato, K. Kobayashi and N. Hattori (1st Dept Intern Med, Kanazawa Univ)
12. Clinical study of anti-HBc (IgM): M. Kikkawa (1st Dept Intern Med, Hiroshima Univ Sch Med)
13. The significance of IgM antibodies to hepatitis B core antigen in hepatitis B-associated liver diseases: J. Toyota, K. Yanagida, Y. Okuuchi, T. Matsushima, T. Sugawara and T. Miyazaki (3rd Dept Intern Med, Hokkaido Univ Sch Med)
14. IgM-anti HBc in the sera of patients with clinical symptoms of acute hepatitis: Nobuyuki Adachi, et al. (Gifu Pref Gifu Hosp)
15. Clinical evaluation of chronic hepatitis B with transient appearance of IgM type anti-HBc: K. Manabe, G. Yamada, I. Hyodo, T. Nishihara, H. Okushin, S. Kinoyama, M. Mizuno, Y. Sakamoto and H. Nagashima (1st Dept Intern Med, Okayama Univ Med Sch)
16. Detection of HBV-DNA in the serum by spot hybridization test: Yasuhisa Matsuyama, et al. (1st Dept Med, Chiba Univ Sch Med)
17. Analysis of hepatitis B virus DNA in the serum of chronic HBV carriers: Keiji Mitamura (Inst Clin Med, Univ of Tsukuba)
18. Studies on methods for determination of serum HB-virus DNA: Terukatsu Arima, Hajime Hada, Shigeru Morichika and Hideo Nagashima (1st Dept Intern Med, Okayama Univ Med Sch)
19. Analysis of replicative forms of hepatic HBV-DNA in relation to IFN- γ A treatment of HBeAg positive chronic hepatitis: Osamu Yokosuka (1st Dept Med, Chiba Univ Sch Med)
20. Swift increase in alcohol metabolism (SIAM) and its heredity: Takehiko Yuki, Ronald G. Thurman*,

- Yoshimichi Abe, Takeshi Okanoue, Tadao Okuno and Tatsuro Takino (3rd Dept Intern Med, Kyoto Pref Univ Med, *Dept Pharmacol, Univ North Carolina Chapel Hill, NC 27514, USA)
21. Assessment of hepatic hemodynamics in patients with alcoholic liver injuries: Akinori Kasahara (1st Dept Med, Osaka Univ Med Sch)
 22. Effect of age and hepatomegaly on metabolic tolerance to ethanol in rat: F. Okuno¹⁾, K. Maruyama²⁾, H. Suzuki¹⁾ and Y. Israel³⁾ (¹⁾1st Dept Intern Med, UOEH, ²⁾Dept Centr Clin Lab, UOEH, ³⁾Dept Pharmacol, Univ Toronto)
 23. Chemiluminescence and superoxide dismutase in patients with alcoholic liver injury: S. Kubota, S. Sato, Yo Ohyanagi, H. Yoshihara, T. Kamada and H. Abe (Aino Hosp)
 24. Acetaldehyde and liver injury effects of cyanamide-induced high acetaldehyde concentration in the liver on liver injury: Nakatsukasa Harushige, et al. (1st Dept Intern Med, Okayama Univ Med Sch)
 25. Clinicopathological studies on liver diseases in habitual drinkers: Tsutomu Takasawa, Hisataka Ogasawara, Tomio Suda, Kazuo Nagayama and Masaharu Horiguchi (Dept Intern Med, 3rd Hosp, Jikei Univ Sch Med)
 26. Decrease of Kupffer cells in alcoholic liver diseases: Masahiro Kitadai, et al. (1st Dept Intern Med, Okayama Univ Med Sch)
 27. Suppressor T cell functions in alcoholic liver disease: Takaaki Ikeda, Yuichi Daiguji, Yasushi Hasumura and Jugoro Takeuchi (2nd Dept Intern Med, Tokyo Med and Dent Univ)
 28. Effect of acute ethanol administration upon hepatic regeneration in the rat: J. Nei, M. Tsutsumi, H. Tamino, H. Hanabusa, Y. Matsuda and A. Takada (Div Gastroenterol, Dept Intern Med, Kanazawa Med Univ)
 29. Changes of serum thyroid hormone levels (T_3 , T_4 , T_3/T_4 ratio) in patients with alcoholic and with post-hepatic liver cirrhosis: Tomoyuki Oda (3rd Dept Intern Med, Saitama Med Sch)
 30. Insulin action for hepatic glycogenolysis induced by various hormones: Tetsuya Mine, Hitoshi Ohsawa, Yoshiyasu Hasegawa Etsuro Ogata and Satoshi Kimura* (4th Dept Intern Med, Fac Med, Univ of Tokyo, *Endocrinol Div, Natl Cancer Res Inst)
 31. Insulin response in fatty liver: H. Tomimasu*, K. Ohashi**, et al. (*Intern Med Ohtsu Munic Hosp, **3rd Dept Intern Med, Kyoto Pref Univ Med)
 32. Early CPR responses to glucagon stimulation in the patients with liver cirrhosis: Michiyasu Yoshitsugu and Masashi Ihori (Dept of Gastroenterol, Japanese Red Cross Med Cent)
 33. An experimental study on blood glucose elevation and insulin response after glucagon injection in obstructive jaundice: Mamoru Kobayashi, Masaki Muto Fumihiko Kito, Shuji Tsuchiya, et al. (Dept Surg, Yokohama Natl Hosp)
 34. Pancreatic-hepatic relationship: Changes of pancreatic parameters in patients with various liver diseases: Shunichi Saeki, Shoji Yamada, Takeaki Nagamine, Isao Kobayashi, et al. (1st Dept Intern Med, Sch Med, Gunma Univ)
 35. Alterations of plasma lipoproteins in patients with acute viral hepatitis: Hiroyuki Aburatani, et al. (3rd Dept Intern Med, Univ of Tokyo)
 36. Concentrations of apoprotein A-I and A-II in serum of patients with chronic liver disease: Hirofumi Saitoh (2nd Dept Intern Med, Showa Univ Sch Med)
 37. Diagnosis of fatty liver with twice injection method of ICG: Hajime Yokosuka, Kazuo Nagayama, Takehiko Aizawa, Yasushi Ozawa and Masaharu Horiguchi (Dept Intern Med, 3rd Hosp, Jikei Univ Sch Med)
 38. Serum High-density lipoprotein phospholipids (HDL-PL) in patients with liver diseases: Masahiro Akaike (1st Dept Intern Med, Nippon Med Sch)
 39. Measurement of asialoglycoprotein receptor in the liver biopsy specimens. —Changes of receptor activities in various chronic liver diseases—: Yuji Naito (3rd Dept Intern Med, Kansai Med Univ)
 40. Lipoprotein metabolism and PHLA in estrogen-induced steatohepatitis: M. Nishikawa, et al. (2nd Dept Intern Med, Osaka Univ)
 41. Bile secretion and bile components in ischemic damage and its recovery in rat liver: Masato Koseki,

- Kazuyasu Nakao, Wataru Kamiike, Masaaki Nakahara and Yasunaru Kawashima (1st Dept Surg, Osaka Univ Sch Med)
43. Clinical significance of endogeneous bile acid tolerance tests with CCK-PZ: Shigeo Aoyama, Yoshihiro Yamazaki and Mikio Yamamoto (Dept Intern Med, Shizuoka Kousei Hosp)
 44. Studies on human hepatic copper contents in Japanese patients with liver cirrhosis and biliary obstruction: Akemi Ozawa, Makoto Onuki and Yoshio Hatta (2nd Dept Intern Med, Sch Med, Showa Univ, Tokyo)
 45. Effect of low-magnesium diet on fat-storing cells in the rat liver: Tohru Kimura, Shujiro Takase, Yoshiro Matsuda and Akira Takada (Div Gastroenterol, Dept Intern Med, Kanazawa Med Univ)
 46. Determination of trace elements in human liver tissue by neutron activation analysis: S. Miyata, T. Okuno and T. Miyake (Dept Geriat Med, Kyoto Univ Hosp)
 47. Experimental study on galactose tolerance test as a test for functional reserve mass of the liver: galactose metabolism in regenerating rat liver: Eiichi Takezaki (Dept Clin Pathol, Sch Med, Hiroshima Univ)
 48. Clinical estimation of ICG Rmax—especially on correlation with other liver function tests: Hidetsugu Sekino, et al. (Surg II, Sch Med, Kanazawa Univ)
 49. A clinical study on drug induced hepatitis: Kouichi Hamaguchi, Kouji Fujita, Koujiro Takase, Yukihiko Tameda and Yoshitane Kosaka (1st Dept Intern Med, Mie Univ)
 50. Respective roles of hypoxia and halothane metabolites in halothane induced hepatic injury. —With special reference to blood gas analysis in rats—: Hitoshi Hatano, Fumio Nomura, Kunihiko Ohnishi and Kunio Okuda (1st Dept Intern Med, Chiba Univ Sch Med, Chiba)
 51. Detection of desmin in Ito cells (fat-storing cells) of variety of animals using anti-chicken gizzard smooth muscle antibody: Kenichiro Matsuzaki (Liver Unit, Dept Med, Juntendo Univ Sch Med)
 52. Cimetidine treatment in gastric and duodenal ulcer with chronic hepatic diseases, its effect on liver function: Michiko Nakajima (3rd Dept Intern Med, Saitama Med Sch)
 53. Influence of drug after administration of carbon tetra chloride to rat: Masamichi Fukushima (3rd Dept Intern Med, St Marianna Univ Sch Med)
 54. Preventive effect of exogenous catecholamines on carbon tetrachloride-induced chronic liver damage in the rat: K. Ishii, A. Shibuya, N. Yamada, H. Shibata, H. Okabe and M. Okudaira* (Dept Intern Med & Pathol* Sch Med, Kitasato Univ Sagami-hara)
 55. Modulation of carbachol induced cyclic GMP response by insulin in galactosamine injured rat liver: T. Yoshida, H. Maekubo, T. Matsushima, Y. Tamura, M. Yamashiro, J. Yoshida, M. Sekine and T. Miyazaki (3rd Dept Intern Med, Hokkaido Univ Sch Med)
 56. The effect of estrogen on Kupffer cell-mediated hepatocytotoxicity: Takayuki Arai, et al. (1st Dept Intern Med, Gunma Univ Sch Med)
 57. Oxygen consumption and metabolic changes of perfused rat liver in cirrhosis or obstructive jaundice: Etsuo Matsui (1st Dept Surg, Kobe Univ Sch Med)
 58. Exocrine Function and pathological study of the pancreas of steroid-treated rats: Hiromichi Fukushima (2nd Dept Intern Med, Nagasaki Univ Sch Med)
 59. Effect of chronic treatment with trypsin inhibitor on secretagogues induced amylase release and CCK receptor: Makoto Otsuki (2nd Dept Intern Med, Kobe Univ Sch Med)
 60. Experimental study on pancreatic exocrine secretion (III): Role of c-AMP, Ca²⁺ and calmodulin on pancreatic exocrine secretion: Hirotsugu Shinozaki, Toshinari Kimura, Toshihiko Sumii, Akihiro Funakoshi, Kazunori Miyazaki Hiroshi Ibayashi (3rd Dept Intern Med, Fac Med, Kyushu Univ)
 61. Effect of pirenzepine and antigastrin (SC-15396) on exocrine pancreatic acini: Yasuhiko Iwamoto¹, Ikuko Kamata¹, Takeshi Kuzuya¹ and Rieko Nakamura² (¹Div Endocrinol and Metabol, Jichi Med Sch, ²1st Dept Intern Med, Tokyo Med and Dent Univ)
 62. Effects of pirenzepine on the exocrine function of pancreas: Tooru Shimosegawa (3rd Dept Intern Med, Tohoku Univ Sch Med)
 63. Effect of GRP on exocrine pancreatic secretion in conscious dogs: R. Hosotani, K. Inoue, Y. Yajima* and T. Tobe (1st Dept Surg, Kyoto Univ Med Sch, Fac Pharmac Sci, Kyoto Univ*)

64. Clearance of somatostatin-28 by the perfused rat liver: M. Seno, Y. Seino, J. Takemura, S. Nishi, H. Ishida, N. Kitano, T. Taminato*, S. Matsukura* and H. Imura (2nd Div, Dept Med, Div Metabol and Clin Nutrition, Kyoto Univ Sch Med)
65. The blood glucose control of somatostatin—especially with alloxan induced DM dogs: Hiroaki Kamo (2nd Dept Surg, Nagasaki Univ Sch Med)
66. The role of motilin on the periodic secretion of the pancreas in fasting dogs: S. Naruse and D.F. Magee (Natl Inst Physiol Sci & Creighton Univ Sch Med)
67. Physiological role of pyruvate and lactate in canine exocrine pancreatic secretion: Toshio Kuroshima (2nd Dept Intern Med, Osaka Univ Med Sch)
68. Mechanism of pancreatic exocrine hypersecretion in obstructive jaundice: Takai Kuroda, Shoji Kajikawa, Yasunori Nakatani and Futoshi Iida (Dept Surg, Shinshu Univ Sch Med, Matsumoto)
69. Effects of obstructive jaundice on the rat exocrine pancreas: Biochemical and morphological analysis: Makoto Yoshida, Akitoshi Koga, Kiyooki Watanabe, Satoshi Takiguchi and Fumio Nakayama (Dept Surg 1, Kyushu Univ, Fac Med, Fukuoka)
71. Effect of luminal concentration of trypsin and bile acids on feedback regulation of pancreatic enzyme secretion in conscious rat: K. Kataoka, K. Kashima, K. Kinugasa, Y. Inada, T. Takino, Y. Horii and O. Morinaga (3rd Dept Med, Kyoto Pref Univ Med)
72. Exocrine pancreas in genetically diabetic NOD mice: Masanao Emoto, Shigeru Kimura, Yoshiki Kadoya and Kei Miyamura (Div Intern Med, Wakayama Med Sch)
73. Clinical and experimental study on serum level of pancreatic secretory trypsin inhibitor in acute pancreatitis: T. Tanaka, M. Yamamoto, R. Kashiwagi, O. Ohhashi, S. Nakayama, S. Okumura, H. Ohyanagi and Y. Saito (1st Dept Surg, Sch Med, Kobe Univ)
74. Clinical evaluation of serum pancreatic secretory trypsin inhibitor (PSTI) determined by radioimmunoassay: K. Kashima, K. Kataoka, K. Kinugasa, Y. Horii, O. Morinaga, Y. Inada and T. Takino (3rd Depts Intern Med, Kyoto Pref Univ Med, Kyoto)
75. Serum secretory trypsin inhibitor (PSTI) in patients with malignant diseases: Itsuo Suehiro (2nd Dept Intern Med, Kobe Univ Sch Med)
76. Fasting serum levels of immunoreactive pancreatic secretory trypsin inhibitor in patients with diabetes and pancreatic diseases: Tokio Sanke, Michi Kondo, Yoshihiro Moriyama, Eiichi Satogami, Kishio Nanjo and Kei Miyamura (Endocrinol Dept Med, Wakayama Med Sch, Wakayama)
77. Plasma free amino acid patterns in hepatocellular carcinoma: Y. Suyama, K. Tanimoto, S. Kato, Y. Murawaki, Y. Horie, T. Suo and C. Hirayama (2nd Dept Intern Med, Tottori Univ Med Sch, Yonago)
78. Clinical study of small liver cancer: Yasuo Fujita, Yasuhiro Yumoto, K. Tokuyama, K. Jinno, Y. Araki and T. Ishimitsu (Shikoku Natl Cancer Cent Hosp)
79. Electron microscopic study on the endoplasmic reticulum of well-differentiated hepatocellular carcinoma cells: Toshinari Kobayashi, et al. (Dept Intern Med, Kawasaki Hosp, Kawasaki Med Coll)
80. Investigation on zymograms of hepatic cholinesterase in patients with primary hepatoma: Hitoshi Sato, et al. (3rd Dept Intern Med, Asahikawa Med Coll)
81. Kupffer cells and differentiation of hepatocellular carcinoma: K. Tobe, T. Tsuchiya, R. Fujiwara, G. Yamada, H. Nagashima, K. Sasaoka, H. Mimura and S. Motoi (1st Dept Intern Med, Okayama Univ Med Sch)
82. α_1 AT, AFP and albumin in tumor tissues and sera of primary hepatocellular carcinoma: H. Ishimaru, T. Matsuda, K. Yamamura, K. Watanabe and T. Takakuwa (1st Dept Intern Med and Dept Pathol, St Marianna Univ, Sch Med)
83. TPA in sera of patients with liver cirrhosis and hepatocellular carcinoma: K. Tamakoshi, M. Masaka, M. Matsumoto, H. Matsuda, T. Nakajima, S. Morioka, K. Kanai and T. Yoshimi (2nd Dept Med, Hamamatsu Univ Sch Med)
84. Tumor marker in hepatocellular carcinoma—Correlation of tissue polypeptide antigen to leucocyte adherence inhibition test: Morikazu Onji (3rd Dept Intern Med, Ehime Univ Sch Med)
85. Immunohistochemical staining of ferritin in the cases of hepatoma: Masami Imoto, Daisaku

- Nishimura, Takashi Kumada, Yoshihide Fukuda, Takahiko Ooya*, Satoshi Nakano, Keiichi Sugiyama** and Katsumoto Kato*** (*2nd Dept Intern Med, Nagoya Univ, **Dept Gastroenterol, Ogaki Munic Hosp, ***Dept Intern Med, Kamo Hosp)
86. The mechanism of elevation of sialyltransferase activity in serum from patient with hepatocellular carcinoma: Shinjiro Akiyama, et al. (2nd Dept Intern Med, St Marianna Univ Sch Med)
 87. Hepatocarcinogenesis and proteases — Liver collagenase activity and liver fibrosis early after administrations of various hepatocarcinogens to rats: Yamauchi Yasuhiko, et al. (1st Dept Intern Med, Okayama Univ Med Sch)
 88. State of hepatitis B virus DNA in liver diseases: Norio Ogata (3rd Div Dept Intern Med, Niigata Univ Med)
 89. The value of serum adenosine deaminase in hepatocellular carcinoma — Comparison with liver cirrhosis and chronic hepatitis —: Taisuke Sakemi (2nd Dept Intern Med, Kurume Univ Sch Med)
 90. Anti-alphafetoprotein auto-antibody in hepatocellular carcinoma patients: N. Yamada, et al. (Dept Surg, Chiba Univ Sch Med)
 91. Serological and immunohistochemical study of α^1 -antitrypsin on malignant hepatoma: Takao Ikeuchi (3rd Dept Intern Med, Yokohama City Univ, Med Sch)
 92. Immuno-pathological studies on tissue polypeptide antigen (TPA) in various liver diseases: M. Niwa (1st Dept Intern Med, Aichi Med Univ)
 93. Albumin and other liver specific proteins produced by human liver and biliary tract cancer cell lines: T. Matsuura*, H. Sujino*, S. Homma*, S. Hasumura*, K. Fujise*, S. Nagamori*, H. Kameda* and S. Hayakawa** (*1st Dept Med, Jikei Univ Sch Med, **Dainabot Co)
 94. Effects of MVD and laser irradiation on rat hepatoma cells in vitro: Chiaki Kawamoto (Dept Gastroenterol, Jichi Med Sch)
 95. Clinical and pathological findings of hepatocellular carcinoma with tumor thrombus of the portal vein: Nobuyuki Sugiura (1st Dept Med, Chiba Univ Sch Med)
 96. Study of 34 cases of hepatocellular carcinoma with extrahepatic portal vein occlusion: Toru Kanno, Shigeyoshi Harihara, Sukeo Yamamoto* and Takeyuki Monna** (*3rd Dept Intern Med, Osaka City Univ, **Dept Intern Med, Osaka Munic Hosp Shirokita)
 97. Evaluation of portography in hepatocellular carcinoma: Souhei Minematsu, Yoshiro Taki, Tomohiko Tani and Takayoshi Tobe (1st Dept Surg, Kyoto Univ Med Sch)
 98. Prognosis of patients with operated hepatocellular carcinoma: Heiichiro Tashima (1st Dept Intern Med, Nagasaki Univ Sch Med)
 99. A study on the processes of discovering hepatoma patients: Nobuo Yuasa, Mamoru Houzumi, et al. (Dept Intern Med, Tokyo Kosei Nenkin Hosp)
 100. Studies on assessment of high risk group of hepatocellular carcinoma in chronic liver diseases —by the methods of multivariate statistical analysis —: Yuki Hamada, Yasuhide Shimada, Takashi Matsushima, Tamotsu Miyazaki, et al. (3rd Dept Intern Med, Hokkaido Univ Sch Med)
 101. Clinical studies on selective percutaneous transhepatic left-cholangiodrainage for 19 cases of acute obstructive suppurative cholangitis: Keishoku Cho (Div Emergency & Critical Care Med, Hyogo Coll Med)
 102. Percutaneous transhepatic biliary endoprosthesis: S. Shimaguchi, J. Ariyama, M. Suyama, K. Ogawa, M. Itoh and H. Shirakabe (Dept Gastroenterol, Juntendo Univ)
 103. Complications of percutaneous transhepatic choledochodrainage: Tetsuo Takuma, Yoshinobu Sumiyama, Shigeru Suzuki, Akiyoshi Takeda, Masatoshi Kanechika and Kiyohiko Tsurumi (3rd Dept Surg, Toho Univ Sch Med)
 104. Endoscopic retrograde biliary drainage vs PTCD: Sotaro Fujimoto (Dept Gastroenterol, Kyoto 2nd Red Cross Hosp)
 105. The usefulness of nonoperative biliary drainage: T. Fuji, H. Amano, K. Kinukawa, H. Asagami, T. Aibe, K. Harima, S. Ariyama and Takemoto (1st Dept Intern Med, Yamaguchi Univ Sch Med)
 106. New techniques for percutaneous transhepatic biliary drainage. —Methods for insertion of balloon

- catheter and internal drainage: Goro Watanabe, Seishi Udagawa, Hiroshi Akiyama, et al. (Dept Surg, Toranomon Hosp, Tokyo)
107. Why the clinical efficacies of CDCA and UDCA are similar?: Hirotune Igimi, Shohei Asakawa, Hiroshi Yamamoto and Hidehiko Shimura (1st Dept Surg, Sch Med, Fukuoka Univ)
 108. Cholesterol gallstone dissolution by a ursodeoxycholic acid and chenodeoxycholic acid combination therapy: M. Okumura, K. Tanikawa, T. Munehisa, K. Sagara and S. Yamaguchi (Kyushu Study Group for Bile Acids)
 109. Physicochemical properties of 3α - 7β - 12α cholanic acid: Shohei Asakawa, Hirotune Igimi, Hidehiko Shimura and Kiyohisa Uchida* (1st Dept Surg, Sch Med, Fukuoka Univ, *Shionogi Res Lab)
 110. Clinical evaluations of oral urso- and chenodeoxycholic acid tolerance tests: Tatsuhiko Go (3rd Dept Intern Med, St Marianna Univ Sch Med)
 111. Histological studies on the livers with intrahepatic cholelithiasis. — with special reference to preneoplastic change —: Tetsuo Ota, Takukazu Nagakawa and Itsuo Miyazaki (2nd Dept Surg, Sch Med, Kanazawa Univ, Kanazawa)
 112. Two cases of the intrahepatic stones and histological studies on the biliary stricture: Toru Ichihara, et al. (Gifu Pref Tajimi Hosp)
 113. An ultrasonic analysis of gallbladder stones & its clinicopathological findings: M. Nenohi, S. Nakagawa, H. Yokoi, J. Kitamura, M. Nishii and Y. Tanabe (Dept Surg, Owase Gen Hosp)
 115. The diagnostic value of CT scanning in cholelithiasis, especially for preoperative estimation of gallstone component: E. Matsunami, E. Wada, H. Yamauchi, K. Kurooka, H. Inufusa and A. Goto (Surg Dept Matsunami Hosp & 1st Dept Surg, Gifu Univ)
 116. Diagnosis of gallstones by computed tomography, especially on the prediction of stone composition by CT attenuation values and indication of oral gallstone dissolution therapy: Shuji Isaji, Yoshikuni Sato, Yoshifumi Ogura, Takashi Noguchi and Ryuji Mizumoto (1st Dept Surg, Mie Univ, Sch Med)
 117. Follow-up study of the patients with non-visualizing gallbladder by drip infusion cholangiography: Tomoaki Isawa, Naoto Egawa and Ikuo Tabata (Dept Intern Med, Tokyo Metropol Komagome Hosp)
 118. Studies of the gallbladder contraction in patients with asymptomatic gallstones by ultraasonography: K. Tamaki, Y. Kawamura, H. Asakura, S. Saito and T. Aoyagi (3rd Dept Intern Med, Kyorin Univ Sch Med)
 119. Adenomyomatosis of the gallbladder — Sonographic-pathologic analysis: Hideaki Ishida (1st Dept Intern Med, Akita Univ Sch Med)
 120. Cholecystogram of adenomyomatosis: M. Taira, M. Uchimura, S. Waki and M. Yoshihiro (Dept Surg, Hamamatsu Med Cent, Hamamatsu)
 121. Investigation of the figure of the cholesterol polyp of the gallbladder and diagnosis of the cholesterol polyp by doublecontrast cholecystography under ultrasound guidance: Sei Tomatsu, et al. (Inst Gastroenterol, Tokyo Women's Med Coll, Tokyo)
 122. Early diagnosis of gallbladder carcinoma by integrated body imaging: Toshihiko Ozaki (3rd Div Dept Intern Med, Niigata Univ Med)
 123. Study of pathologic findings of the early carcinoma of the gallbladder-for ultrasonic diagnosis: T. Nakano, H. Ohkubo, H. Ito, T. Noguchi, S. Tsunetomi, T. Nagase¹, Y. Tsuchiya and M. Ohto² (¹Funabashi Centr Hosp, ²1st Dept Med, Chiba Univ)
 124. Carcinoma of gallbladder, preoperatively diagnosed as acute cholecystitis: H. Ishibashi, K. Hachisuka, A. Yamaguchi, S. Kondo, A. Hori, S. Hirose, S. Fukata, M. Miyachi, A. Usui, H. Watanabe, J. Kato and H. Kanda (Dept Surg, Ogaki Munic Hosp)
 125. Establishment and characteristics of a cell line derived from human gallbladder cancer: S. Homma*, T. Matsuura**, H. Sujino**, S. Hasumura**, K. Fujise**, S. Nagamori** and H. Kameda** (*Kanto Rosai Hosp, **1st Dept Med, Jikei Univ Sch Med)
 126. Cell kinetics in mucosal membranes of the human gallbladder with lithiasis and carcinomas studied by organ culture: Hiromichi Sato, Masato Tahara, Masato Kono, Mutsue Mizushima and Jishu Ito (Dept Pathol, Div Kawasaki Hosp, Kawasaki Med Sch)

127. Comparative studies of early stages of experimental and clinical gallbladder carcinomas by the scanning electron microscope: Keisuke Yoshida (2nd Dept Surg, Sch Med, Univ of Kyoto)
128. Metaplastic changes of the gallbladder in chronic cholecystitis and carcinoma: distribution of gastrin immunoreactive cells: Nobuhiko Yoshimatsu, et al. (1st Dept Surg, Nippon Med Sch)
129. A histopathological study of the gallbladder with biliary fistula — with special reference to metaplasia — : T. Matsumine, et al. Dept Surg, Tokyo Metropol Bokuto Hosp)
130. Relationship between the small tumorous lesions and intestinal metaplasia observed in the mucosa of the gallbladder: Eiichi Asano (2nd Dept Surg, Sch Med, Kanazawa Univ)
131. Metaplastic change in the adenomyosis of gallbladder: Hiroki Tomiyama, Hitoshi Yoshimura and Hiroshi Yamagiwa (Dept Clin Pathol, Mie Univ Sch Med)
132. Changes of biliary protein composition during cholesterol gallstone formation: Ryoji Tamura (Dept Pharmacol, Teikyo Univ Sch Med)
133. Pathogenesis of black gallstones — Mechanism of polymerization in black pigment: Yoshibumi Niitsuma, Wataru Takahashi, Noriyoshi Suzuki and Toshio Sato (Dept Surg, Tohoku Univ Sch Med, Sendai)
134. Regulatory factors of the Ca. bilirubinate precipitation in human bile using ultrafiltration: H. Yamaguchi, W. Takahashi, N. Suzuki and T. Sato (Dept Surg, Tohoku Univ)
135. Bile acid composition of gallstones: Seiji Tsunoka (1st Dept Intern Med, Nagoya City Univ Med Sch)
136. Effects of cholecystokinin-octapeptide on acetylcholine release from the guinea pig gallbladder: Toku Takahashi, Takehira Yamamura, Masaru Kantoh, Yoshio Ishikawa and Joji Utsunomiya (2nd Dept Surg, Hyogo Coll Med)
137. Cholecystolithiasis after operation of the upper gastrointestinal disease: Masatoshi Suzuki, Goro Watanabe, Hiroshi Akiyama, et al. (Dept Surg, Toranomon Hosp, Tokyo)
138. Gallstone disease secondary to stomach cancer surgery: Yuzuru Sugiyama, et al. (Dept Surg, Hirosaki Univ, Sch Med)
139. Pathogenetic analysis of acute hepatic disorders according to colicky attack of gallstone: Masatoshi Isogai (1st Dept Surg, Nagoya Univ Sch Med)
140. Clinical features of gallstone disease in cirrhotic patients: Naoyuki Katada (Dept Intern Med, Kamo Hosp, Toyota)
141. Gastrointestinal bleeding in cases of obstructive jaundice: Masaru Naruse (2nd Dept Surg, Jikei Univ Sch Med)
142. Clinical study on sporadic hepatitis type A: Katsuyoshi Higashi, et al. (Intern Med, Kasugai City Hosp)
143. Type A acute hepatitis caused by ingestion of polluted lunch in the company restaurant: Kazuhiko Miyake (1st Dept Intern Med, Teikyo Univ Sch Med)
144. Serological markers of hepatitis A and B virus infection in overseas students: Shozo Nakamura (Tohoku Univ Heal Cent)
145. Study of HBV-infection in S orhpanage (3rd report): Naoto Maruyama (2nd Dept Intern Med, Kurume Univ Sch Med)
146. Infection modes of acute type B hepatitis in recent years: Takashi Moriyama, Hiroshi Kanamori, Yuji Yoshikawa, Hiroyuki Aburadani, Santaro Sato, Kazuhisa Kobayashi, Akira Ohbayashi, Hedeharu Harada, et al. (Depts Infec Dis, Intern Med and Blood Transfusion, Tokyo Metropol Komagome Hosp)
147. Evaluation of mass examination for liver diseases for the past two years: Masahiko Akiyama (Cent Adult Dis, Osaka)
148. Clinical study of relationship between hepatocellular carcinoma and blood transfusion: Miki Miyagiwa (3rd Dept Intern Med, Toyama Med & Pharmac Univ)
149. The actual survey of liver disease in Okinoerabu Island: Etsuko Hashimoto (Inst Gastroenterol, Tokyo Women's Med Coll)
150. Biliary excretory mechanism of horseradish peroxidase in the choleric rat: H. Komatsu, et al. (Dept Intern Med, Sch Med, Keio Univ)
151. Role of gastric acid on fluctuation of bile flow at fasting in conscious dog: Hideyo Horisawa, Takashi

- Suzuki and Takayoshi Tobe (1st Dept Surg, Sch Med, Kyoto Univ)
152. Uptake of bilirubin glucuronides by isolated rat hepatocytes: Yukihiko Adachi, Toshio Yamamoto, Rolf Kinne and Irwin M. Arias (Kinki Univ Sch Med & Albert Einstein Coll Med)
 153. Change of bile acids after ligation of the bile duct in hamster: Daisuke Ohiwa, Saburo Nakazawa and Sumihiko Okuyama (2nd Dept Intern Med, Nagoya Univ Sch Med)
 154. Hepatic biotransformation of two hydroxy-7-oxo taurine-conjugated bile acids in the dog: Mitsuru Nakagaki and Alan F. Hofmann (Dept Surg 1, Kyushu Univ, Dept Med, Univ of California San Diego)
 155. Identification of the eight 3,7- and 3,12-dihydroxy-5 β -cholanoic acid epimers in human feces by a combination of preparative thin layer chromatography, gas-liquid chromatography, and quadrupole mass spectrometry: K. Yahiro, T. Setoguchi, S. Tateno, S. Higashi and T. Katsuki (1st Dept Surg, Miyazaki Med Coll)
 156. A new method for measuring of primary and secondary serum bile acids and its clinical use: Jun Chuma, Shu Hasegawa, Rinzo Uenoyama and Shigeaki Baba (2nd Dept Intern Med, Kobe Univ, Sch Med)
 157. Studies on pre- and post operative changes of serum bile acid: Yi Qin Lin, Rikita Amano, Kensuke Yamamoto, Kunihide Izawa, Noboru Harada and Ryoichi Tsuchiya: (2nd Dept Surg, Nagasaki Univ Sch Med)
 158. Measurement of sulfated bile acids in serum of patients with hepatobiliary diseases. (2nd report): T. Kumada, S. Okuyama, et al. (2nd Dept Intern Med, Sch Med, Nagoya Univ)
 159. Evaluation of esterified bile acid in serum of patients with acute hepatitis: Hajime Takikawa (2nd Dept Intern Med, Fac Med, Univ of Tokyo)
 160. Biliary bilirubin conjugates in liver disease—Observation by HPLC: M. Yamashita, Y. Adachi, T. Nanno, M. Adachi, M. Suwa, Y. Nagamine, M. Enomoto, H. Inoue, T. Hashimoto, S. Ueshima, H. Takahashi, T. Yamamoto and M. Hattori* (Kinki Univ Sch Med & Bell-land Hosp*)
 161. Circadian rhythm of the composition ratio of bile acids and cholesterol in the bile in the common hepatic duct in man: Kotaro Ueno, Akio Yamashina, Taro Akiba, Shizuo Tominaga, Soji Oda, Haruhide Shinzawa and Makoto Ishikawa (2nd Dept Intern Med, Yamagata Univ Sch Med, Yamagata)
 162. Effect of cimetidine I.V. administration on pancreatic exocrine function by analysis of endoscopically obtained human pure pancreatic juice: K. Oka, H. Miyake, F. Kcohi, H. Yabe, E. Hanabusa and I. Kimura²⁾ (¹⁾Dept Med, Inst for Thermal Spring Res, Okayama Univ, ²⁾2nd Dept Intern Med, Okayama Univ Med Sch)
 163. Clinical evaluation of provocative test of serum pancreatic enzymes: Akira Kameya, Toshio Kato, Tomio Nakai, Masuo Kawamura, Hitoshi Hachiya, Kunihiko Suzuki, Toshiyuki Suzuki and Sadasuke Suzuki (Dept Intern Med, Kariya Gen Hosp)
 164. Radioimmunoassay of cholecystokinin: Keiko Shiratori, Shin-ichiro Watanabe and Tadashi Takeuchi (Dept Gastroenterol, Tokyo Women's Med Coll)
 165. Mechanism of elevation of serum immunoreactive trypsin by ethanol and its inhibition with protease inhibitor: Masayuki Noritake, Satoshi Shimomura, Shinsaku Ogawa, Hiromitsu Haga and Mitsuhiko Katsurada (Intern Med, Sapporo District Hosp Grand Self Def Force)
 166. Studies on the relationship between serum amylase and lipids in human: Sumio Nakajima (Dept Med, Fujita-Gakuen Univ Sch Med)
 167. Studies of apoprotein levels in pancreatitis: S. Uehara, H. Handa, Y. Itagaki, S. Izumiyama and A. Hirayama (Intern Med Tonan Hosp, Sapporo)
 168. Three dimensional reconstruction of the pancreatic duct system in alcoholics: Hidemitsu Hirabayashi (Dept Intern Med, Shinshu Univ Sch Med)
 169. A study on the changes of intrapancreatic arteries in chronic pancreatitis: Kenji Tsuchie and Yuji Nimura (1st Dept Surg, Nagoya Univ Sch Med)
 170. Measurement of pancreatic ductal pressure by endoscopy and viscosity of pancreatic juice in the patients with chronic pancreatitis: Kazuichi Okazaki, et al. (1st Dept Intern Med, Kochi Med Sch)
 171. The study of pancreatic function and pancreaticogram of primary hyperparathyroidism: Kazuo Kajita (3rd Dept Intern Med, Gifu Univ Sch Med, Gifu)

172. Evaluation on the relationship between liver and pancreas in chronic liver diseases: Terufumi Sakai (2nd Dept Intern Med, Kurume Univ Sch Med, Kurume)
173. Secretion of gut hormone on pancreatic function test and gastric mucosa: H. Asagami, K. Harima, K. Kinukawa, H. Amano, T. Aibe, T. Fuji and T. Takemoto (1st Dept Intern Med, Yamaguchi Univ Sch Med)
174. Treatment of 70 patients in acute pancreatitis: Tohru Oshibuchi (2nd Dept Surg, Nagasaki Univ Sch Med)
175. The role of pancreatic phospholipase A₂ in the pathophysiology of acute pancreatitis, with special reference to assay method of phospholipase A₂ activity with isotope-labelled lecithin as a substrate: Shuji Isaji, Kazunori Okamura, Noboru Kokehara, Yoshikuni Sato, Yoshifumi Ogura and Ryuji Mizumoto (1st Dept Surg, Mie Univ Sch Med)
176. A pancreatic exocrine function test using simultaneous intravenous infusion with caerulein and secretin: Y. Odake, Y. Yokoyama, K. Terasawa, K. Ohyama, T. Takebe and K. Ishii (2nd Dept Intern Med, Asahikawa Med Coll)
177. Lactoferrin in duodenal juice obtained by caerulein-secretin simultaneous infusion: D. Koike, H. Nakagawa, M. Satoh, K. Ohyama, T. Takebe and K. Ishii (2nd Dept Intern Med, Asahikawa Med Coll)
178. Biochemical analysis and clinical significance of glycoproteins of duodenal juice in alcoholic chronic pancreatitis: Hideki Tada (2nd Dept Intern Med, Osaka Med Coll)
179. Application of lactoferrin in the pure pancreatic juice to diagnosis of pancreatic diseases—Relation with condition of chronic pancreatitis: Hisashi Kidani, et al. (Dept Intern Med, Cancer Res Inst Kanazawa Univ)
180. Dissolution of canine experimental pancreatic stones with Dimethadione and its application to human calcified chronic pancreatitis: A. Noda, T. Hayakawa, T. Kondo, et al. (2nd Dept Intern Med, Nagoya Univ Sch Med)
181. Function of the cell membrane obtained from transplantable pancreatic carcinoma in Syrian golden hamster: Yasuna Suzuki, Hisato Hara, Noriyuki Ueda and Masayoshi Namiki (3rd Dept Intern Med, Asahikawa Med Coll)
182. Plasma enzymatic changes of hamster pancreatic cancer induced by N-nitrosobis (2-hydroxypropyl) amine: Fumio Kimura, Shingo Nishioka and Isao Yataka (Dept Intern Med, Gastroenterol Unit, Wakayama Med Coll)
183. A histochemical study of mucosubstances in experimental pancreatic carcinoma of the rat and hamster: Y. Kato, M. Sowa, S. Yamamoto, R. Mukai, K. Satake, K. Kamino and K. Umeyama (1st Dept Surg, Osaka City Univ Med Sch)
184. Measurement of pancreatic blood flow with hydrogen gas generated by electrolysis: Hideki Nishiwaki, Ichikun Ko, Katsusuke Satake and Kaoru Umeyama (1st Dept Surg, Osaka City Univ Med Sch)
185. γ -GTP activities in human pancreatic cancer cell lines: Manabu Sugimoto, Nozomi Yamaguchi Akira Aoike and Keiichi Kawai (Dept Prevent Med, Kyoto Pref Univ Med, Kyoto)
186. DNA content of pancreatic epithelial cells in pure pancreatic juice: Akira Fujiwara (3rd Dept Intern Med, Tohoku Univ, Sendai)
187. An approach to early diagnosis of carcinoma of body and tail of the pancreas: Muneaki Abe, et al. (Res Inst, Natl Kyushu Cancer Cent, Fukuoka)
188. Early diagnosis of pancreatic cancers with serum elastase I assay and ultrasonic examination: Hiroyasu Iishi, Misako Yamamura, Sanai Noguchi, Masaharu Tatsuta, et al. (Dept Gastroenterol, Cent Adult Dis, Osaka)
189. Clinico-pathological analysis concerning specific type of the pancreatic cancer: Yoshihummi Murakami, K. Ohhashi, T. Takekoshi, K. Takagi and Y. Yato (Cancer Inst Hosp)
190. Anomalous arrangement of the pancreaticobiliary ductal system: Kazuhiko Yamada, H. Hisayama, Y. Kodama, T. Ōyama, M. Nōmi, K. Sakoda and A. Taira (2nd Dept Surg, Kagoshima Univ Sch Med)
191. Residual pancreatic function after pancreaticoduodenectomy with Billroth-I and Billroth-II recon-

- struction: Katsuhiko Tamura, et al. (1st Dept Surg, Shimane Med Univ, Izumo)
192. Clinical and experimental studies of the residual exocrine pancreatic function after pancreaticoduodenectomy: Tsuneo Tanaka, Motomu Kodama, Osamu Kodama and Haruo Ezaki (2nd Dept Surg, Hiroshima Univ Sch Med)
193. Changes of endocrine and exocrine function in the remnant pancreas after major resection of fibrotic pancreas with duct-ligation: J. Kitamura, Y. Katsumine, M. Ohta, T. Yano, M. Hayashi, T. Kita, T. Sekoguchi, R. Mizumoto (1st Dept Surg, Fac Med, Mie Univ)
194. Importance of St•GHb8 in fraction of glycosylated hemoglobin for control of glucose metabolism in total pancreatectomized patients: Yoshihisa Marugami, et al. (Dept Surg, Sch Med, Keio Univ)
195. Urinary PABA excretion and serum amylase before and after endoscopic sphincterotomy in cholelithiasis: Susumu Miyata, Tadashi Shibue and Shuji Hashimoto (2nd Dept Intern Med, Sch Med, Kagoshima Univ)
196. Morphology of the chronic duodenal ulcer induced by cysteamine: Yoshinobu Fuse, et al. (3rd Dept Intern Med, Kyoto Pref Univ Med)
197. An experimental study of strangulation obstruction in hemodynamics — The effect of peritoneal fluid from strangulated intestinal loop in hemodynamics —: Shinjiro Okujima, Kenjiro Amino, Takuo Shida, Haruo Tsuchiya and Junichi Shikata (Dept Surg, Teikyo Univ Sch Med)
198. An experimental pathologic study on circulatory disturbances of the intestine (3rd report): Comparison of mucosal tissue damage with occlusion time of the anterior mesenteric artery in dogs: Hideo Atary, et al. (Dept Pathol, Sch Med, Kitasato Univ)
199. Intestinal brush border membrane aminopeptidase N and dipeptidyl aminopeptidase IV. — Regional difference of enzyme protein and the effect of methylprednisolone —: S. Miura, A. Morita, H. Asakura, M. Tsuchiya and Y.S. Kim (Dept Intern Med, Keio Univ and Univ of California, SF)
200. The changes of intestinal alkaline phosphatase activity induced by bile acid perfusion into rat intestine: Masahiro Yoshioka (Dept Intern Med, Sch Med, Keio Univ)
201. A method for the assay of acyl-CoA:cholesterol acyltransferase (ACAT) and ACAT activity in different parts of small intestine: O. Morinaga, et al. (Matsushita Elect Company Heal Management Cent)
202. Intestinal absorption of cholesterol — mucosal uptake —: Yuji Horii¹⁾ and Tatsuro Takino²⁾ (Hiraumi Hosp¹⁾, Kyoto Pref Univ Med²⁾)
203. Continuous observation of glucose absorption by everted rat small intestine — Glucose absorption from maltose diet fed rats: Masahiko Tsuchiya (Yokohama Minami Kyosai Hosp)
204. An experimental study on TPN induced changes of upper intestinal mucosa and amino acid absorption in dogs: H. Ogawa, K. Kouno, M. Sumikawa, T. Hisaki, Y. Kawamura, K. Kishi, O. Nishimura and S. Koga (1st Dept Surg, Tottori Univ Sch Med)
205. Subcellular localization of vitamin B₁₂ in the ileal enterocyte during absorption: Junichi Sato, Hisato Tada, Haruhide Sinzawa, Tsuneo Takahashi, Kotaro Ueno and Makoto Ishikawa (2nd Dept Intern Med, Yamagata Univ Sch Med)
206. The effect of colchicine on water and sodium transport in the rat intestine: Yoshiaki Iwasaki (2nd Dept Intern Med, Shiga Univ Med Sci)
207. Experimental studies on the change of bile salts after resective small intestine: Norimasa Matsumoto, Makoto Hirano, Yukimitsu Kawaura and Takashi Iwa (Dept Surg, Kanazawa Univ Sch Med)
208. Adaptation of massive small bowel resection (Part II): Satoru Shimizu (1st Dept Intern Med, Hiroshima Univ)
209. Studies on interdigestive migrating electric complex of canine small bowel after transection and transplantation: Tetsuro Ozawa (2nd Dept Surg, Toho Univ Sch Med)
210. Water and electrolyte absorption on the ileum and colon; the difference of intestinal adaptation in the various site after total colectomy: Ryuichi Mibu, Shosaku Nakahara, Shinichi Ikeda and Hideaki Itoh (Dept Surg, Kyushu Univ Fac Med)
211. A trial of measurement of functional unstirred water layer thickness in human jejunum: Takashi Nakamura, et al. (1st Dept Intern Med, Teikyo Univ Sch Med)

212. Ultrastructural study of the solitary lymph follicle in stomach, duodenum and colon: Shinichiro Fujikura (3rd Dept Intern Med, Toyama Med and Pharmac Univ)
213. Affinity chromatography of human ileal receptor for IF-B₁₂ complex: K. Hirata, M. Fukuda, K. Saito, S. Terada and S. Yamada (4th Dept Intern Med, Sapporo Med Coll)
214. Small bowel transit time on various test meals: Kiyoshi Azumi, Nobuyuki Imai, Yih-Fong Lin, Mikio Sakurada, Akio Nagasaki and Yoshio Goto (3rd Dept Intern Med, Tohoku Univ Sch Med)
215. Effects of intravenous glucose injection on gastrointestinal motility: Yih-Fong Lin, Nobuyuki Imai, Kiyoshi Azumi, Mikio Sakurada, Akio Nagasaki and Yoshio Goto (3rd Dept Intern Med, Tohoku Univ Sch Med)
216. Change of the jejunal microvilli and disaccharidase activity accompanied by ageing: Osamu Saitoh (2nd Dept Intern Med, Osaka Med Coll, Takatsuki)
217. Mechanism of malabsorption following esophageal operation — Especially, observation of the mucosa of the small intestine referring to the morphological and enzymatological studies: Nobutaka Sato (Dept Surg, Kohsei Gen Hosp, Tokyo)
218. Luminal biocircumstances in the intestine of patients with digestive diseases (10th report): Koji Kawagishi, et al. (4th Dept Intern Med, Hyogo Coll Med)
219. Role of upper jejunum in biliary reconstruction: Takashi Tsuchiya, Jin-ichi Kameyama, Iwao Sasaki, Mikio Imamura, Hiroo Naito and Toshio Sato (1st Dept Surg, Tohoku Univ Sch Med)
220. Studies on local immune system in the intestine — Antibody activity against extrinsic antigens in duodenal fluids: Tetsuo Ohshima, et al. (Dept Intern Med, Sapporo Med Coll)
221. Effect of various diseases on histologic age-changes of the human intestine: Masami Inada, Motonobu Murakami, Sanae Teramura, Makoto Seki, Ryoichi Inoue and Takeo Miyake (Dept Geriat, Kyoto Univ)
222. Trial for making of transcending endoscopic alimentary catheter and its clinical evaluation: Yayoi Ito, Hirata, Adachi, Ota, Shiratori, Watanabe, Maruyama, Kurokawa and Takeuchi (Dept Intest Med, Inst Gastroenterol, Tokyo Women's Med Sch)
223. Transjejunal alimentionation by the percutaneous endoscopic gastrostomy: Fumiaki Ueno (Chigasaki Tokushukai Hosp)
224. Nutritional therapy by the elemental diet for protein losing enteropathy: Nobuo Chikamochi (2nd Dept Intern Med, Shiga Univ Med Sci)
225. Eosinophilic (gastro-)enteritis with ascites — Case report —: Reiji Asakura, et al. (Showa Munic Hosp, Tokyo)
226. Morphological and functional studies in drug induced small intestinal lesions (differences between aspirin and indomethacin): Hiroaki Yamada, et al. (3rd Dept Intern Med, Osaka City Univ Med Sch)
227. Clinico-pathological study on primary ulcer of the small intestine: Tetsuji Kitahora (Div Gastroenterol, Ohkura Natl Hosp)
228. Bile acid abnormalities in patients with chronic hemorrhagic ulcers of the small intestine (II): Masafumi Hatanaka (2nd Dept Intern Med, Fac Med, Kyushu Univ)
229. Studies on non-steroidal anti-inflammatory drugs induced small intestinal lesions: Toyoji Okada (Dept Intern Med, Kitasato Univ Sch Med)
230. Clinical effect of lactobacillus preparation on primary non-specific small intestinal ulcer: Noriaki Tamura*, Chisato Hirayama*, Manabu Gomyoda** and Yoji Miyoshi*** (2nd Dept Intern Med*, Clin Pathol**, Tottori Univ Sch Med and Intern Med Osaka Kaisei Hosp***)
231. Calcium metabolism in Crohn's disease: ⁴⁷CaCl absorption test: Toshihiro Sakurai (2nd Dept Intern Med, Fac Med, Kyushu Univ)
232. Calcium metabolism in Crohn's disease: Quantitative analysis of bone biopsy: Toshihiro Sakurai (2nd Dept Intern Med, Fac Med, Kyushu Univ)
233. HLA antigens in Crohn's disease: K. Fujita (1st Dept Intern Med, Sch Med, Fukuoka Univ)
234. Oral zinc tolerance test under ED treatment in the patients with Crohn's disease (2nd report): Kenichi Nishida (1st Dept Intern Med, Fukuoka Univ Sch Med)

235. A clinical study of Crohn's disease: Consideration from a view point of leucocyte motility in vivo: Masao Kawashima, et al. (1st Dept Intern Med, Yamaguchi Univ Sch Med)
236. Studies on initial treatment and clinical course of Crohn's disease: Ei Sasaki, et al. (2nd Dept Intern Med, Kurume Univ Sch Med)
237. A study of twenty-two cases with carcinoid tumors of the gastrointestinal tract: Sotaro Sadahiro (Dept Surg, Sch Med, Keio Univ, Tokyo)
238. Histopathological and electron-microscopical analysis of carcinoid tumors in digestive organ: Y. Karaki, M. Fujimaki, S. Munakata, et al. (2nd Dept Surg, Toyama Med & Pharmac Univ)
239. X-ray diagnosis in malignant mesotheliona of the mesentery: H. Masuda, et al. (Yokohama City Cancer Detect Cent)
240. Peutz-Jeghers syndrome: Report of a case with malignant change of polyps: Jun-ichiro Nozaka¹, Nobuteru Kikkawa², Kazuya Tamura¹ and Osamu Fukui¹ (Osaka Natl Hosp Dept ¹Gastroenterol and ²Surg)
241. "Echo diagnosis of small intestinal inflammatory diseases" — Comparison with fluoroscopic examination of small intestine —: Hajime Yuasa (Dept Intern Med, Kishiwada Tokushukai Hosp)
242. Clinical study of white villi in the duodenum: Kikuo Takenaka (3rd Dept Intern Med Toho Univ)
243. Diagnosis and management of diverticula of jejunum and ileum: H. Watanabe, K. Hachisuka, A. Yamaguchi, S. Kondo, A. Hori, S. Hirose, S. Hukata, M. Miyachi, A. Usui, H. Ishibashi, J. Kato, H. Kanda¹), S. Nakano and I. Takeda²) (Dept Surg¹), Gastroenterol²), Ogaki Munic Hosp)
244. A case of protein losing enteropathy with strongyloidiasis: Yoshimasa Asami, et al. (Dept Intern Med, Asakayama Hosp)
245. Clinico pathological study on the development of intestinal tuberculosis: Takeshi Tomomatsu (Nagoya City Geriat Hosp)
246. Studies on adrenoceptors in the isolated parietal cells —³H-norepinephrine binding to the isolated parietal cells from guinea pig stomach —: Noritsugu Houi (Dept Clin Pharmacol, Tottori Univ Sch Med)
247. Inhibition of acetylcholinesterase and pseudocholinesterase by histamine H₂-receptor antagonists: Mitsuru Aono (Dept Clin Nutri, Kyoto Univ Med Sch)
248. Effect of isobutyl methylxanthine on acid secretion in guinea pig gastric mucosa in vitro: Haruki Matsumoto (Kure Med Assoc Hosp)
249. Influence of cimetidine on mechanism of gastric acid secretion: Takashi Yamauchi (3rd Dept Intern Med, Kyushu Univ Sch Med, Fukuoka)
250. Clinical significance of intra-tissue pepsinogen-I determination and immunohistological study on pepsinogen-I producing cells in human gastrointestinal mucosa: K. Fujii, et al. (Dept Intern Med (Sect I), Sapporo Med Coll)
251. Estimation of the gastric mucosal pepsinogen and its analysis by polyacrylamide gel electrophoresis (2nd report): Shohei Nishi (Dept Intern Med, Gastroenterol Unit, Wakayama Med Coll)
252. Clinical investigation of serum Group I pepsinogen in relation with chronic gastritis: Hitomi Adachi, F. Hirata, Y. Ito, Y. Ota, K. Shiratori, S. Watanabe, M. Maruyama and K. Kurokawa (Dept Intest Med, Inst Gastroenterol, Tokyo Women's Med Sch)
253. Serum pepsinogen response to various stimulants of gastric secretion and H₂-receptor antagonist: Masami Inukai, Makoto Ito, et al. (1st Dept Intern Med, Sch Med, Nagoya City Univ, Nagoya)
254. Experimental study on pepsinogen secretion (1st report) — preliminary experiment —: Masaki Inoue (1st Dept Intern Med, Hiroshima Univ Sch Med, Hiroshima)
255. Autonomic nervous system and antral gastrin cells: Katsuhiko Takeuchi, et al. (3rd Dept Med Nihon Univ Sch Med)
256. A study on correlation between gastritis verrucosa and duodenal ulcer. (3rd report) — The follow-up study of the same case —: Kaoru Nakada, et al. (4th Dept Intern Med, Tokyo Med Coll)
257. Serum G₁₇ and G₃₄ levels at fasting and intragastric titration using meat extract in normal controls and peptic ulcer patients: Y. Sato, et al. (Dept Intern Med (Sect I), Sapporo Med Coll)

258. Antral G cells in peptic ulcer diseases: Takeshi Azuma (Dept Prevent Med, Kyoto Pref Univ Med)
259. The role of hypergastrinemia and antral G cell hyperplasia in duodenal ulcer patients: Satoshi Takano (2nd Dept Surg, Jikei Univ Sch Med)
260. Effect of electrical stimulation of vagus nerve on gastrin, insulin, pancreatic glucagon and motilin: Sachihiko Monguchi, Mitsugi Sugiyama, Chung-Yuan Shy and Shuji Tsuchiya (2nd Dept Surg, Yokohama City Univ Sch Med)
261. Neural regulation of gastrin-releasing peptide, gastrin and gastric somatostatin secretion: S. Nishi, Y. Seino, J. Takemura, H. Ishida, M. Seno and H. Imura (2nd Div, Dept Intern Med, Kyoto Univ Sch Med)
262. Effects of prolonged administration of pGRP and bombesin on serum gastrin, gastrin content of the antrum and antral G-cell in the rat: Yukio Yoshida (Dept Gastroenterol, Jichi Med Sch)
263. Effects of endogenous duodenal acidification on exocrine gastric and pancreatic secretions; a comparative study with effects of exogenous duodenal acidification and CCK-PZ administration: Sadao Asakuma, et al. (1st Dept Surg, Fac Med, Univ of Tokyo)
264. PP response to caerulein, secretin and meal in the patients with duodenal ulcer: Satoko Kunita, M. Kawanishi, N. Yahata, S. Fujita, G. Kajiyama, Y. Miyachi* and A. Miyoshi* (1st Dept Intern Med, Hiroshima Univ, *Shizuoka Gen Hosp)
265. Pancreatic exocrine function and secretion of gut hormone after total gastrectomy and proximal gastrectomy: Y. Kawamura, K. Kouno, T. Hisaki, M. Sumikawa, K. Kishi, O. Nishimura and S. Koga (1st Dept Surg, Tottori Univ Sch Med)
266. Gastric emptying and secretion of pancreatic polypeptide: Yoshinobu Tomofuji, Susumu Saeki, Nobuhiko Mizuno and Shigeaki Baba (2nd Dept Intern Med, Kobe Univ Sch Med)
267. The effect of butropium bromide on gastric emptying in peptic ulcer patients: Katsutoshi Taniguchi, et al. (Dept Gastroenterol Surg, Wakayama Med Coll)
268. Clinical study of high gastric ulcer: Tatsuo Yamamoto, Masaharu Katsumi, Nobuji Kono, et al. (Dept Gastroenterol Surg, Wakayama Med Coll)
269. Effect of atropine on gastric motility induced by insulin hypoglycemia in dogs: Mitumasa Nawano (1st Dept Intern Med, Sch Med, Hamamatsu)
270. Effects of bombesin on contractile motility of the guinea pig antrum: Masaru Kantoh, Toku Takahashi, Takehira Yamamura, Yoshio Ishikawa and Joji Utsunomiya (2nd Dept Surg, Hyogo Coll Med)
270. Motilin like effect of cisapride on gastrointestinal tract in conscious dogs: Tomoaki Suzuki, Mitsuo Nakaya, Takuji Nakamura and Zen Itoh* (Dept Surg, Gunma Univ Sch Med and GI Labs, Coll Med Technol, Gunma Univ*)
272. Effect of peptide YY (PYY) contractile activity in the stomach in heidenhain pouch dogs: Tomoaki Suzuki, Mitsuo Nakaya, Takuji Nakamura and zen Itoh* (Dept Surg, Gunma Univ Sch Med and GI Labs, Coll Med Technol, Gunma Univ*)
273. Basic analysis of electrochemically generated hydrogen clearance method for measurement of local blood flow of the stomach: Makoto Umemori, Tatsuya Yamamoto, Hideaki Takasaki, Masao Miyashita, Toshiaki Andoh, Masahito Toba, Koji Sasajima, Yukichi Moriyama, Masahiko Onda and Akiro Shirota (1st Dept Surg, Nippon Med Sch)
274. The study of human gastric mucosal blood flow with hydrogen gas generated by electrolysis: Yukihiro Yamashita, et al. (2nd Dept Intern Med, Kagoshima Univ Sch Med)
275. Continuous measurement of gastric mucosal blood flow by Laser-Doppler velocimetry in rats and humans: Hiroshi Saita (Hyogo Pref Amagasaki Hosp)
276. Studies on gastric mucosal blood flow in patients under dialysis: Yoshihiro Takanaka (3rd Dept Intern Med, Nihon Univ)
277. Gastric mucosal hemodynamics and oxygen sufficiency in patients with liver cirrhosis: Masuki Fukuda (1st Dept Med, Osaka Univ Med Sch)
278. Studies of the experimental ulcer with the hypothalamic lesioned rats. (2nd report): Naoji Yasue, Makoto Itoh, et al. (1st Dept Intern Med, Nagoya City Univ Sch Med)

279. Comparative studies in gastric mucosal hexosamine content between. Non-treated, cimetidine treated, GGA treated and vagotomy in stress induced rats: Tatsuo Kiuchi, M. Kitajima, M. Ueda, H. Torii, M. Seki, J. Miyake and S. Sohma (Dept Surg, Kyorin Univ, Tokyo)
280. Study on relationship between gastric acidity and gastric emptying rate in a rat's model of neurogenic stress ulcer: Hirofumi Ohashi, Yoshiaki Ito, Osamu Nonomura, Koki Hayashi and Kazuki Sakata (2nd Dept Surg, Gifu Univ Sch Med)
281. Observation of upper intestinal tract in rats (8) — Influence of drugs on restraint water-immersion stress —: Masayuki Okada (2nd Dept Intern Med, Natl Def Med Coll)
283. Tissue protease activity in the gastric mucosal lesion of restraint rats: I. Okazaki, K. Maruyama, M. Oda, F. Okuno, M. Nakamura, et al. (Depts Publ Heal and Intern Med, Keio Univ, Tokyo and Depts Clin Cent Lab and Intern Med, UOEH, Kitakyushu)
284. Experimental studies on the mechanism of onset and prophylaxis of acute gastric mucosal lesion complicated with obstructive jaundice: Hitoshi Takeuchi, M. Kodama, O. Kodama, N. Ito, T. Tanaka, M. Harada, R. Seiko and H. Ezaki (2nd Dept Surg, Hiroshima Univ Sch Med)
285. Changes of gastro-duodenal mucosa and its defensive mechanism in obstructive jaundice rats: Tohru Nagata (2nd Dept Surg, Jikei Univ Sch Med)
286. Gastric mucosal damage of rat induced by common bile duct ligation: Hamid Tahir (1st Dept Intern Med, Hiroshima Univ)
287. Effect of obstructive jaundice and reduction of jaundice on acute gastric ulceration and gastric mucosal energy metabolism: Hideo Narui, Jin-ichi Kameyama, Iwao Sasaki, Hidenobu Miyagawa, Yoshio Konno, Yasuhiko Kamiyama and Toshio Sato (1st Dept Surg, Tohoku Univ Sch Med)
288. Effect of histamine on the release of β -endorphin-like immunoreactivity in normal subjects: Shuji Inoue, et al. (2nd Dept Intern Med, Sch Med, Univ Tokushima)
289. Gastric microvascular permeability and histamine receptors: H. Nagata, M. Suematsu, Y. Akaiwa, E. Sekizuka, C. Ohshio, M. Oda, M. Tsuchiya, et al. (Dept Intern Med, Sch Med, Keio Univ)
290. Effect of hemorrhagic shock on the gastric insoluble gel mucus in the rat: Koichi Kumagai, et al. (4th Dept Intern Med, Hyogo Coll Med)
291. The healing process of experimental ulcers induced by new clamping metals: Katashi Yamamoto, Tohru Hayashi, Kohji Kaiya, Minoru Murata, Hitoshi Taniguchi, Toyonori Komori, Keiichiro Inoue, Shigeru Kohsokabe and Hisao Ito (3rd Dept Intern Med, Tokyo Med Coll Hosp)
292. Mepirizole induced duodenal ulcers in rats: H. Shima and S. Inoue (1st Dept Intern Med, Akita Univ Sch Med)
293. Dopamine and cysteamine induced duodenal ulcer: Yasumasa Kondoh, Kyoji Ogoshi, Yasuo Akiba and Toshio Mitomi (2nd Dept Surg, Sch Med, Tokai Univ)
294. Lymphatic abnormalities in the cysteamine-induced duodenal ulcer formation — dynamic in vivo fluorescent microscopic and ultrastructural observation: (Dept Intern Med, Sch Med, Keio Univ)
295. The role of development of gastric ulcer and gastric secretion in streptozotocin diabetic rats: Kiyoshi Hirano (3rd Dept Intern Med, Jikei Univ Sch Med)
296. Autologous mixed lymphocyte reaction and T cell subsets in liver diseases: Kozo Mizuiri, Kosho Chin, Kayoko Tashiro, Katsunori Aikawa and Toru Abei (2nd Dept Intern Med, Toho Univ, Sch Med)
297. Alterations in T cell subsets of patient with chronic active hepatitis during natural course and immunosuppressive therapy: Morikazu Onji (3rd Dept Intern Med, Ehime Univ Sch Med)
298. HBeAg/anti HBe and T cell subset of peripheral blood lymphocytes in chronic active hepatitis: A. Furusawa, M. Kanai, M. Unoura, N. Tanaka, Y. Kato, K. Kobayashi and N. Hattori (1st Dept Intern Med, Kanazawa Univ)
299. Studies on monocyte subsets and IL-1 producing activity in chronic liver diseases: Fumitoki Watanabe (1st Dept Intern Med, Jikei Univ Sch Med)
300. Immunological studies on steroid rebound therapy of patients with chronic hepatitis (type B): Keiji Miyajima, et al. (1st Dept Biochem, Osaka City Univ Med Sch)
301. Immunological studies on asymptomatic HBV carrier: Hiroko Katoh, et al. (1st Dept Biochem, Osaka

- City Univ Med Sch)
302. Immunological studies on no responder after injection of HB vaccine: Yasuhiro Mizoguchi, et al. (3rd Dept Intern Med, Osaka City Univ Med Sch)
 303. Immunological studies on asymptomatic HBV carrier: Yoshihiro Ikemoto, et al. (1st Dept Intern Med, Hiroshima Univ Sch Med)
 304. The significance of liver plasma membrane antibody—Influence of immunosuppressive therapy: Y. Ikeda, G. Toda, Y. Sato, S. Yamazaki, N. Hashimoto, H. Oka and M. Torii (1st Dept Med, Fac Med, Univ of Tokyo)
 305. Occurrence and significance of antibody to liver-specific membrane lipo-protein (anti-LSP) with anti-LSP monoclonal antibody in chronic liver diseases: A. Tsubouchi, K. Yoshioka, K. Fukui and S. Kakumu (3rd Dept Med, Nagoya Univ Sch Med)
 306. Suppression of lymphocyte blastogenesis by a soluble extract from rat liver cells: Atsumi Matsuno (3rd Dept Intern Med, Tokyo Med and Dent Univ)
 307. Cytotoxic effects of the lymphocytes against mouse hepatocytes. —in mice with experimental hepatitis: Teruo Mori (1st Dept Med, Chiba Univ, Chiba)
 308. Analysis of circulating immune complex from patients with liver diseases: Haruyasu Yoshizaki, Takashi Abe, Tetsuo Ohshima, Mitsuo Suga, Yoshikazu Akahonai and Akira Yachi (Dept Intern Med, (Sect 1), Sapporo Med Coll)
 309. Immunocytochemical investigation of hepatitis B virus associated antigens in liver cirrhosis with hepatocellular carcinoma: Masaki Iwai, Hiroyuki Shintani, Takeshi Okanoue, Tadao Okuno, Tatsuro Takino, Yoshikazu Suyama*, Hiroshi Fujii*, Masato Miyoshi* and Ken Katake* (3rd Dept Intern Med, Kyoto Pref Univ Med & *3rd Dept Intern Med, Kyoto 1st Redcross Hosp)
 310. A immunohistochemical study of primary biliary cirrhosis: Fumio Sakamoto (3rd Dept Intern Med, Nippon Med Sch)
 311. Immunohistological study of lymphocyte subsets in liver tissue of patients with primary biliary cirrhosis: G. Yamada, T. Nishihara, I. Hyodo, S. Kinoyama, H. Okushin, M. Mizuno, Y. Sakamoto, T. Kobayashi and H. Nagashima (1st Dept Intern Med, Okayama Univ Med Sch)
 312. A preliminary study of endogenous bile acid load: Itaru Horiuchi (1st Dept Intern Med, Hiroshima Univ Sch Med, Hiroshima)
 313. Evaluation of enterohepatic circulation of bile acids in liver cirrhosis and alimentary tract diseases: Toshiaki Nakashima, et al. (1st Dept Intern Med, Kyoto Pref Yosanoumi Hosp)
 314. Enzymatic hydrolysis of deoxycholic acid-3-sulfate and taurodeoxycholate by intestinal microorganisms in anaerobic mixed cultures: S. Higashi, T. Setoguchi, K. Yahiro, S. Tateno, T. Katsuki and S. Hayakawa* (1st Dept Surg, Miyazaki Med Coll, and Okayama Univ*)
 315. Histological studies in acute drug induced intrahepatic cholestasis: Seiji Sakurai, et al. (1st Dept Intern Med, Gunma Univ Sch Med)
 316. A case of gray-colored geographic liver: T. Hashimoto, H. Takahashi, Y. Nagamine, T. Saiga, H. Nishihara, K. Ozaki, M. Yamashita, S. Ueshima, T. Nanno, H. Inoue, M. Enomoto, M. Suwa, M. Adachi, Y. Adachi and T. Yamamoto (2nd Dept Intern Med, Kinki Univ Sch Med)
 317. Electron microscopic observations of the effects of phenobarbital on cholestatic liver: Motoyasu Ishii (3rd Dept Intern Med, Tohoku Univ Sch Med)
 318. Ultrastructural, biochemical study and regional hepatic blood flow on endotoxin-induced cholestatic liver injuries in rats: Eiki Ichikawa, M.O., K.F., M.N., N.W., E.S., N.T., Y.Y., K.K., T.H. and M.T. (Dept Intern Med, Sch Med, Keio Univ)
 319. An experimental study of biliary duct dilatation and bile stagnation. —in dogs with intact papilla: K. Uchiyama, T. Takada, T. Kurosawa, H. Yasuda, M. Shishikura, N. Gomi and J. Shikata (1st Dept Surg, Teikyo Univ Sch Med)
 320. The mechanism of elevation of serum trehalase activity in cholestasis: Makoto Toshiba, Haruki Yamada, Yoshiro Okada, Gotaro Toda, Yusei Ikeda, Naoaki Hashimoto and Hiroshi Oka (1st Dept Med, Fac Med, Univ of Tokyo)
 321. Serum γ -GTP and γ -GTP output of pancreozymin-secretin test in various diseases: K. Kinugasa, K.

- Kashima, Y. Inada, et al. (3rd Dept Med, Kyoto Pref Univ Med)
322. Changes of bile acid metabolism in intrahepatic cholestasis --with special reference to the effect of cholestylamine administration --: M. Higuchi, Y. Matsuyama, K. Nishimura, R. Kubo, M. Yamada, T. Morita, M. Tamura, T. Tsujii, K. Akamatsu and M. Ohta** (*3rd Dept Intern Med, Nara Med Univ, **3rd Dept Intern Med, Ehime Univ Sch Med)
 323. Evaluation of steroid therapy in severe acute hepatitis and intrahepatic cholestatic hepatitis: H. Togashi, H. Shinzawa, T. Takahashi, K. Ueno and M. Ishikawa (2nd Dept Intern Med, Yamagata Univ)
 324. Experimental and clinical studies on the effect of vitamin E on biliary cholesterol concentration: Tohru Saito (2nd Dept Surg, Sch Med, Kyoto Univ)
 325. Effects of biliary diversion on bile components and lipids metabolism: Masaaki Nakahara, Kazuyasu Nakao, Wataru Kamiike and Yasunaru Kawashima (1st Dept Surg, Osaka Univ Sch Med)
 326. Measurement of portal blood flow in patients with liver disease using pulsed Doppler with the Octoson: Masataka Okuno, Hisataka Moriwaki, Hiroo Onishi, Takashi Yoshida, Hiroshi Yoshida, Eiichi Tomita, Tetsu Takai and Yasutoshi Muto (1st Dept Intern Med Gifu Univ Sch Med)
 327. Clinical study on portal blood flow, using pulsed ultrasonic Doppler method: Yutaka Kawashima (2nd Dept Intern Med, Dokkyo Univ Sch Med)
 328. Measurement of portal blood flow by an ultrasonic "Duplex" system composed of a pulsed Doppler flow-meter and a linear-type real time B-mode electroscanner: Shigehiro Shiraki and Kazuo Goto (Dept Gastroenterol, Gifu Pref Tajimi Hosp)
 329. Effect of posture change on portal blood flow and its velocity in normal subjects and cirrhotics: Masayuki Saito, Takatsune Nakayama, Kunihiko Ohnishi and Kunio Okuda (1st Dept Med, Sch Med, Chiba Univ)
 330. Portal blood flow in the obstructive jaundice: Nobuyuki Ban (Dept Gastroenterol, Tenri Hosp)
 331. The effect of respiration on radioactivity in the measurement of hepatic hemodynamics: Masazumi Shibata (Dept Intern Med, 3rd Hosp, Jikei Univ Sch Med)
 332. Utility of hepatic blood flow index using ¹⁹⁸Au colloid and effect of reticuloendothelial system function: Satoshi Toda, Hisashi Mimura Syuichi Sakumoto and Kunzo Orita (1st Dept Surg, Okayama Univ Med Sch)
 333. Evaluation of transrectal-portal scintigraphy for measurement of hepatic blood flow in liver cirrhosis: Keiichirou Yoneyama, H. Kamata, O. Sakamoto, H. Takeuchi, M. Onuki and Y. Hatta (2nd Dept Intern Med, Sch Med, Showa Univ)
 334. Studies on portal circulation before and after the endoscopic injection sclerotherapy of esophageal varices by radionuclide angiography: Susumu Shiomi (3rd Dept Intern Med, Osaka City Univ Med Sch)
 335. Circulatory dynamic change of cirrhotic liver with esophageal varices or hepatoma after surgery and indication of their therapeutic method: T. Matsuda, H. Mimura, T. Toda, S. Sakumoto, N. Takakura and K. Orita (Dept Surg, Okayama Univ Med Sch)
 336. Clinical significance of measuring hepatic one pass extraction ratio of ICG, after its administration into portal vein: Katsu-nori Wada (1st Dept Med, Chiba Univ Sch Med)
 337. Propranolol as an antihypertensive drug for portal hypertension, its effects to hepatic circulation and systemic hemodynamic: T. Sekiyama, Y. Katsuta, M. Akaike, H. Terada, M. Sekino, K. Satomura, T. Aramaki and H. Okumura (1st Dept Intern Med, Nippon Med Sch)
 338. Effect of intravenous load of cimetidine and ranitidine on systemic and hepatic hemodynamics: Takatsune Nakayama, Masayuki Saitoh, Kunihiko Ohnishi, Kunio Okuda, et al. (1st Dept Intern Med, Chiba Univ Sch Med)
 339. Effect of H₂-receptor antagonist on liver blood flow: Mitsuru Yasunaga, Shoshi Matsuda, Tetsuro Hanta, Kiwamu Okita and Tadayoshi Takemoto (1st Dept Intern Med, Sch Med, Yamaguchi Univ)
 340. Effect of ranitidine and shōsaikotō on regional hepatic blood flow: Kazunobu Yamazaki, Megumu Kaba, Kazutoshi Ishizawa, Takamasa Sassa, Fukashi Imai and Haruo Kameda (1st Dept Intern Med, Jikei Univ Sch Med)

341. Regional hepatic blood flow in endotoxin treated rats investigated by hydrogen clearance method: Yoshio Tsubomizu (Dept Gastroenterol, Showa Univ Fujigaoka Hosp)
342. Effects of food intake and extrinsic hormones on portal blood flow in the patients with liver cirrhosis: Masako Miyazaki, et al. (1st Dept Intern Med, Kochi Med Sch)
343. The effects of intravenous administrations of glucagon on the hepatic blood flow and plasma clearance of ICG in the dog: Yoshikazu Yasuda (Dept Gastroenterol Surg, Jichi Med Sch)
344. Measurement of portal blood flow using pulsed Doppler system in patients with liver cirrhosis and diabetes mellitus — Influence of insulin administration — : Tamaki Moroi (3rd Dept Intern Med, Yokohama City Univ)
345. Studies on hepatic regional blood flow in rat by electrolytic regional blood flow meter: Yasumoto Suzuki, Teruji Tanaka and Masaharu Horiguchi (Dept Intern Med, 3rd Hosp, Jikei Univ Sch Med)
346. Experimental studies on the congestive liver — Circulation and histological studies — : Shigeo Hirohama (Ohmiya Heal Insur Gen Hosp)
347. Studies on the hemodynamics in liver cirrhosis: Shigeo Sugano, Kenichiro Kanno, Hideo Mizuyoshi, Kazuo Hurukawa, Hiroo Hosaka, Kozo Mizuiri and Toru Abei (2nd Dept Intern Med, Toho Univ Sch Med)
348. Effect of PGE₂ on the blood flow in the gastric mucosa, with particular reference to its anti-coagulation effect: T. Yokosawa (1st Dept Intern Med, Toho Univ Sch Med)
349. Studies on prostaglandin in gastric mucosa — The evaluation of quantitative determination methods of prostaglandin E₂ — : Masae Kawamura, Mutsuo Uechi, Katsuko Yamashita and Izumi Yokoyama (Inst Adult Dis, Tokyo Women's Med Coll)
350. Release of prostaglandins in rat stomach: Takashi Fukuda, et al. (3rd Dept Intern Med, Osaka City Univ Med Sch)
351. Prostaglandin and the cytoprotection of gastric mucous membrane: Tsuneo Ozeki (3rd Dept Intern Med, Sch Med, Univ Occupat and Environ Health)
352. Effect of cimetidine on the prostaglandin synthesis and indomethacin-induced damage — a study with rat gastric mucosal cells in tissue culture — : Hideyuki Hiraishi and Akira Terano (2nd Dept Intern Med, Fac Med, Univ of Tokyo)
353. Mechanism of formation and prevention of vagotomy and prostaglandin in stress ulcer: Tamiki Hayashi (1st Dept Surg, Kobe Univ Sch Med)
354. Response of systolic blood pressure of gastric ulcers under mental stress, and its mechanism: Tadaoki Mizuno (Miura City Hosp)
355. Influence of physical stress on gastrin secretion and its mechanism: K. Nose, T. Mizuno, T. Miyagawa, K. Shindou and T. Ookubo (1st Dept Intern Med, Yokohama City Univ)
357. The psychologic aspect of peptic ulcer disease: M. Aichi¹⁾ S. Nakazawa, K. Segawa, Y. Tsukamoto, E. Kobayashi²⁾ and H. Yamaguchi³⁾ (Meijoh Hosp¹⁾, 2nd Dept Intern Med, Nagoya Univ²⁾, Mikawa Health Care Cent³⁾)
358. Ventromedial hypothalamus and gastric functions: Toshio Ishikawa*, Mitsuhiro Nagata and Yoshitsugu Osumi (Dept Pharmacol, Kochi Med Sch, *Dept Psychosomatic Med, Kyushu Univ)
359. Acute upper gastrointestinal lesion in patients with Brain's disease: Kyoichi Seno and Masanao Sugimoto (Dept Intern Med, Ashikaga Red-cross Hosp)
360. A clinical study of acute mucosal lesions of the stomach and duodenum: Jiro Kusama*, Hiroko Fujita**, Katsuhiko Ishizaka**, Yasunori Nakatani** and Futoshi Iida** (*Kusama Hosp, **Dept Surg, Shinshu Univ)
361. Ultrastructural study of the healing process of human gastric ulcer: Yuko Kobayashi (1st Dept Intern Med, Kyoto Univ, Kyoto)
362. Lectin-binding in biopsy specimens of the gastric mucosa as revealed by HRP-labeling method (II): Masataka Itoh, Yoshiaki Yamaguchi, Hideki Akabori, Kuniaki Takata*, Shozo Saitoh, Toshio Aoyagi and Hiroshi Hirano* (Depts Intern Med and Anat*, Kyorin Univ Sch Med)
363. Inhibition of epithelial proliferation in hamster fundic mucosa with hydrosodium succinate: Yoshinori

- Tashiro, et al. (3rd Dept Med, Nihon Univ Sch Med)
364. The effect of gastroduodenal bile reflux on the gastric mucosal cell kinetics: Hideo Yanai (1st Dept Intern Med, Yamaguchi Univ Sch Med, Ube)
 365. Analysis of intractable gastric ulcer cases treated with histamine H₂ receptor antagonist: Masanobu Sato (Dept Med I, Sch Med, Iwate Med Univ)
 366. Effect of cimetidine therapy on the gastric acid secretion and serum gastrin levels in patients with peptic ulcer: Keiji Ohe (Dept Med, Kokura Memo Hosp)
 367. Rebound phenomenon of gastric secretion by various gastric depressants in man: Susumu Yamagata (Inst Clin Med, Univ of Tsukuba)
 368. Pathophysiology of the recurrence of peptic ulcer: Akinori Yanaka (Inst Clin Med, Univ of Tsukuba)
 369. Follow-up of patients with gastric ulcer scar: H. Takahashi, H. Shibatsuji, R. Aburatani, R. Nishigori, R. Higashiguchi, H. Yoshimura and S. Hamada (Dept Oncoradiol, Nara Med Univ)
 370. Long-term treatment in the management of recurrent peptic ulcer: Yasushi Yokoyama (Dept Intern Med, Sch Med, Kitasato Univ)
 371. Histological and radiological findings of regenerated epithelium of gastric ulcers and their scars: S. Suzuki (2nd Dept Intern Med, Fukushima Med Coll)
 372. Stomal ulcer recurrence after cimetidine therapy: Ken-ichi Yukawa, et al. (Yukawa Gastrointest Hosp, Osaka)
 373. Upper gastrointestinal mucosal lesions in acute hepatitis: S. Yoshida*, M. Ito*, H. Tsuchiya*, Y. Sakurai*, T. Funatomi*, F. Ikegami*, S. Takasu* and Y. Tanaka** (*Kanto-Teishin Hosp Gastroenterol, **Tokyo Med and Dent Univ)
 374. Studies on the gastric ulcers complicated with liver cirrhosis: Ichiro Tsuruta (3rd Dept Intern Med, Kansai Med Univ)
 375. Effect of portal hypertention and hepatic damage on gastric mucosa in cirrhotic rats: Rokuroh Seikoh (2nd Dept Surg, Hiroshima Univ Sch Med)
 376. Studies on the gastric mucosa blood flow in liver cirrhosis: Toshihiko Watanabe (3rd Dept Intern Med, Kansai Med Univ)
 377. Experimental study on the gastric mucosal damage with acute pancreatitis: Shuji Kagawa (1st Dept Surg, Kobe Univ Sch Med)
 378. Radiologic diagnosis of superficial depressed esophageal carcinoma: Akiyoshi Yamada (Inst Gastroenterol, Tokyo Women's Med Coll)
 380. Clinical evaluation of computed tomography of esophageal cancer for the assessment of the thoracic lymph node metastasis and the invasion into the neighboring structures: Akinori Sugiyama (Inst Gastroenterol, Tokyo Women's Med Coll)
 381. Distribution of epithelial dysplasia in cancerous esophagus: Hirosato Ohta, Chiyuki Chujoh, Saburo Nakazawa*, Shinpei Kawaguchi*, Junji Yoshino*, Shozo Okamura* and Shuji Kawase* (Dept Intern Med, Ichinomiya Munic Hosp, 2nd Dept Intern Med, Nagoya Univ*)
 382. Morphological studies on the metastatic pathways in esophageal carcinoma: perineural invasion and glandular involvement: Atsushi Takai, et al: (1st Dept Surg, Nippon Med Sch)
 383. Studies on experimental cancer of rat oesophagus induced by AMN: Yuko Ikeda, et al. (3rd Dept Med, Nihon Univ Sch Med)
 384. Promoting effect of ethanol on the esophageal tumorigenesis in rats by N-methylamyl nitrosamine: Kazuhide Morino, et al. (1st Dept Surg, Nippon Med Sch)
 385. Study on pathogenesis of esophageal varices (III) Histopathological assessment of esophagus with esophageal varices: Yasukazu Koshino¹⁾, Masataka Kato²⁾, Tetsu Takai and Yasutoshi Muto¹⁾ (1st Dept Intern Med¹⁾ and 2nd Dept Pathol²⁾, Gifu Univ Sch Med)
 386. Morphometric studies of the structure of esophageal vessels in the patients with esophageal varices: Yozo Nakamura, Hiroshi Sakaue, Yuji Mizukami, Tatsuro Sasaki and Yasuyuki Ohta: (3rd Dept Intern Med, Ehime Univ, Ehime)
 387. Evaluation of the collateral vein in portal hypertension using left gastric angiography: Ryo Nakanishi

- (2nd Dept Surg, Fac Med, Juntendo Univ)
388. Pathological study of esophageal varices rupture — comparison with endoscopical findings —: M. Arakawa, T. Noda, K. Fukuda, S. Matsumoto, T. Nakashima*, T. Sakisaka, K. Nagata, S. Eguchi, S. Kawaguchi, A. Toyonaga** and H. Yamana*** (*1st Dept Pathol, **2nd Dept Intern Med, ***1st Dept Surg, Kurume Univ Sch Med)
 389. Reasonable operation for esophageal varices: intraoperative use of esophagoscope: Masato Furukawa (Dept Surg, Nagasaki Chuo Natl Hosp)
 390. Surgical evaluation of esophageal varices with liver cirrhosis: Hiroshi Ashida (2nd Dept Surg, Hyogo Coll Med)
 391. Acute pulmonary edema following prolonged IV infusion of pitressin on esophageal variceal bleeding: Kazuo Nakamura, Jiroichi Ono, Toshio Shimayama and Taketo Katsuki (1st Dept Surg, Miyazaki Med Coll, Miyazaki)
 392. Esophageal adenoid cystic carcinoma — Report of a case: Tadashi Wakushima, Katsuhiko Yoshida, Manabu Gomyoda, Yutaka Horie and Chisato Hirayama (Saihaku Hosp, Yonago)
 393. A case of double cancer of early esophageal cancer and colon cancer: Hiroshi Koshiyama (Dept Gastroenterol, Kochi Seikyo Hosp)
 394. A review of a case with the gastric lesion associated with esophageal cancer: Yasunori Fujimoto (Dept Surg (1), Yokohama City Univ Sch Med)
 395. Gastric lesions of SLE: Terue Imaizumi (2nd Dept Intern Med, Sch Med, Chiba Univ)
 396. A comparative study between esophageal manometric results and radiological examination in progressive systemic sclerosis: Tsutomu Horikoshi (1st Dept Intern Med, Gunma Univ Sch Med)
 397. Regurgitation esophagitis: Treatment and co-existence with carcinoma: Katsuhiko Ishizaka, Takai Kuroda, Kunitaka Kato, Wataru Adachi, Yasunori Nakatani, Shoji Kajikawa and Futoshi Iida (Dept Surg, Shinshu Univ Sch Med, Matsumoto)
 398. Immunohistochemical study on the localization of γ -glutamyltranspeptidase and AFP in the gastric tissues with gastric cancer and intestinal metaplasia: Shinji Oka, Ken-ichi Noda, Takarou Esaki, Hajime Harada, Masahiro Tada, Yukinori Okazaki and Tadayoshi Takemoto (1st Dept Intern Med, Yamaguchi Univ Sch Med)
 399. Localization of carcinoembryonic antigen (CEA) and secretory component (SC) in atypical epithelial lesion and well-differentiated early cancer of the stomach: Masafumi Hara (Dept Intern Med, Sch Med Tokai Univ)
 400. Gamma-glutamyl transpeptidase (GGT) in human gastric and colonic cancer: Eiji Uchida, et al. (1st Dept Surg, Nippon Med Sch)
 401. A study on tumor markers of gastric cancer: Yoshio Murayama (1st Dept Surg, Sch Med Kobe Univ)
 402. Serum complex carbohydrates in the patients with the malignancies of the digestive system: Yoshio Taoka (3rd Dept Intern Med, Sangyo Univ (UOEH) Sch Med)
 403. Relationship between tumor makers and gastrointestinal carcinomas: Y. Fukumoto, H. Iwai, N. Miyata, K. Takahara, K. Narihara and K. Suzuki (Showa Univ Med, Fujigaoka Hosp, Surg Dept)
 404. Clinical evaluation of a pancreatic oncofeto antigen (POA) and carbohydrate antigen 19-9 (CA19-9) in patients with gastrointestinal cancer: Shoichi Hishinuma, Hiroshi Takami, Yoshiro Ogata and Osahiko Abe (Dept Surg, Sch Med, Keio Univ)
 405. Clinical evaluation of carbohydrate antigen 19-9 (CA19-9) in gastro-intestinal cancer: Hiroshi Takahashi, et al. (1st Dept Intern Med Jikei Univ Sch Med)
 406. Clinical significance of serum CA-19-9 in digestive cancers: Hisayuki Ariga (3rd Dept Intern Med, Nihon Univ Sch Med)
 407. Diagnostic evaluation of CA19-9 in diseases of digestive system, especially of pancreatobiliary system: Kiyoshi Sakamoto, Satoshi Ikei, Seiji Mita, Katsutaka Mori and Masanobu Akagi (2nd Dept Surg, Kumamoto Univ Med Sch)
 408. Combination assay of CA19-9, ferritin and CEA for diagnosis of pancreas cancer: Chikara Adachi, Yoshiro Niitsu, Yutaka Khogo and Ichiro Urushizaki (4th Dept Intern Med, Sapporo Med Coll)

409. Evaluation of the serum levels of CA19-9 and other tumor markers on the patients with gastrointestinal carcinoma: F. Hattori, M. Matsuda, S. Kondo, K. Tanaka, M. Oishi*, Y. Miyachi*, K. Itoh, M. Nakamura, Y. Okada, K. Kojima and A. Miyoshi (Dept Gastroenterol & Nucl Med*, Shizuoka Gen Hosp)
410. Clinical significance and some problems of serum TPA levels in patients with various gastrointestinal disorders: Yasuhisa Kitagawa (Dept Gastroenterol, Jichi Med Sch)
411. Evaluation of tissue polypeptide antigen as a marker for cancer in the gastrointestinal tract: Shuichi Watanabe*, Hiroshi Gondo*, Kunihiro Manabe*, Akio Kawamura** and Yoichi Kasai** (Surg Dept Obihiro Kyokai Hosp*, 1st Dept Surg, Sch Med, Hokkaido Univ**)
412. Clinical significance of CEA in ascites: Yoshito Tanaka (2nd Dept Intern Med, Nagasaki Univ Sch Med)
413. Carcinoembryonic antigen and ferritin in gastric and colonic cancer tissue: Yoshimichi Imamura (Intern Med Hyogo Cancer Hosp)
414. Radioimmunoassay for type 1 procollagen peptide in the sera of patients with scirrhus gastric cancer: K. Koda, M. Owada, N. Ito, M. Bunya, Y. Kohgo, Y. Niitsu and I. Urushizaki (Dept Intern Med, Sect 4, Sapporo Med Coll)
415. Production of group I pepsinogen by gastric carcinoma and its clinical utility: Masashi Kodama, Koichi Kida, Toshiharu Yamaguchi and Toshio Takahashi (1st Dept Surg, Akita Univ Sch Med)
416. Studies on polyamines in human gastric juice: Noritsugu Fuchita (1st Dept Med, Mie Univ)
417. Plasma fibronectin in various surgical diseases: Kounosuke Mizutani, N. Uehara, Y. Eguchi, F. Tsunoda, Y. Nakane and M. Kodama (1st Dept Surg, Shiga Univ Med Sci)
418. Clinical significance of pterins in urine in patients with malignancy. (I) Cancer of gastrointestinal tract: H. Watanabe, S. Yamada, N. Tamura, K. Watanabe, H. Kawasaki and C. Hirayama (2nd Dept Intern Med, Tottori Univ Sch Med, Yonago)
419. Studies on nitrosamine in gastric juice (1st report) nitrosamine in gastric juice of the patients with gastric disease: Takashi Shimoyama, et al. (4th Dept Intern Med, Hyogo Coll Med)
420. Effect of methionine and cystine free amino-acid imbalance on canine gastric cancer induced by ENNG — Endoscopic and pathological study: K. Tsuruta¹⁾, S. Mori¹⁾, M. Yoshida¹⁾, K. Tsukada²⁾, N. Goseki³⁾, T. Onodera³⁾, G. Kousaki¹⁾³⁾ and M. Koike⁴⁾ (1st Dept Surg¹⁾, Dept Pathol Biochem²⁾, Tokyo Med and Dent Univ, Dept Surg³⁾, Dept Pathol⁴⁾, Tokyo Metropol Komagome Hosp)
421. 3'-Methoxyethyl-8-vinyldeuteroporphyrin (MVD)—A basic study of its properties: Haruo Sato (Sato Yakugaku)
422. Photoradiation therapy of human gastroenterological cancer serially transplanted in nude mice. —part 2 —: Masahiko Horiguchi (Dept Gastroenterol, Jichi Med Sch)
423. A study on the mechanism of antitumor action by activated macrophages: Hisashi Ito (1st Dept Surg, Kyorin Univ Tokyo Res Lab Kaken Pharmac Co Ltd)
424. Basic study of adriamycin-oxycellulose complex intra-arterial Injection: Takefumi Nakamura (1st Dept Intern Med Fac Med, Kyoto Univ, Kyoto)
425. Intraperitoneal chemotherapy for peritonitis carcinomatosa in the mice: Taneomi Kurokawa (1st Dept Surg, Natl Def Med Coll)
426. Biological role of exogenous IAA on cell-proliferation: E. Shimojo, N. Umeda, K. Matsueda, S. Hayashi, K. Mori, R. Sakagami, E. Hoshino, R. Shoda, A. Muraoka, S. Kurosawa, T. Kobayashi, S. Yamato, T. Maruyama and T. Yamaki (Div Gastroenterol, Natl Med, Cent Hosp and Univ Occupat and Environ Health)
427. Study of colonic intraluminal pressure in right-sided diverticular disease with special reference to altered bowel habits: Akira Kido, Daisuke Sasaki and Yutaka Yoshida (1st Dept Intern Med, Hirosaki Univ Sch Med)
428. Dietary fiber intakes in colorectal disorders: Masanori Ohta, et al. (1st Dept Intern Med, Hirosaki Univ Med, Hirosaki)
429. Clinical studies of dietary fiber (apple fiber) —Influence of the fiber on defecation and lipid metabolism—: Kiwao Ishimoto*, Kenji Tshuhada*, Katsuyuki Ieda**, Masaharu Katsumi**, et al. (*Dept

- Surg, Naga Hosp, **Dept Gastroenterol Surg, Wakayama Med Coll)
430. Treatment on irritable colon syndrome by Kuei-chin-chia-shao-yao-tang: Shuichi Mizuno (Natl Kokura Hosp)
 431. Studies of experimental ulcerative colitis induced by dextran sulfate sodium in syrian hamster, change of the intestinal microflora: Toshifumi Ohkusa (1st Dept Intern Med, Fac Med, Tokyo Med and Dent Univ, Tokyo)
 432. Comparative study of rat ischemic colitis and rat chemical colitis.—Endoscopic observation and mucosal blood flow: Hideaki Tsukada, et al. (1st Dept Intern Med, Kyoto Univ Sch Med, Kyoto)
 433. Drug-associated colitis: S. Yang, M. Matsukawa, S. Kobayashi, Y. Usui and H. Shirakabe (Intern Med, Juntendo Univ, Tokyo)
 434. Experimental study of intraluminal mucosal blood flow as the etiological factor of ischemic colitis: Koji Nomura and Tadayoshi Takemoto (1st Dept Intern Med, Yamaguchi Univ Sch Med, Ube)
 435. Clinical and experimental on the role of *Clostridium difficile* in antibiotics associated colitis: Hiromichi Yamaguchi, Kenji Adachi and Akiro Shirota (1st Dept Surg, Nippon Med Sch)
 436. Biological activity of two toxins produced by *Clostridium difficile* and detection of neutralizing antibodies in sera of patients with pseudomembranous colitis: Takahiro Katoh and Takeshi Honda (Dept Bacteriol and Serol, Res Inst Microb Dis)
 437. Clinical assessment of ulcerative colitis activity index: Nobuo Yoshikawa (2nd Dept Intern Med, Chiba Univ)
 438. Metabolic disorder of inflammatory bowel disease (13th): Hyperamylasemia and macroamylasemia complicated in ulcerative colitis: A. Sugita (2nd Dept Surg, Yokohama City Univ)
 439. The study of RNase activities in human colon mucosa —normal and ulcerative colitis—: Muneharu Komori, et al. (2nd Dept Intern Med, Nagasaki Univ Sch Med)
 440. Effect of the immunosuppressive agent in ulcerative colitis: Ichiro Yoshida (Dept Health Care and Administr, Fukuoka Univ)
 441. Two major genes, linked to HLA and Gm, control susceptibility to inflammatory bowel diseases. (Crohn's disease, Ulcerative colitis and Intestinal Behçet: Akikuni Yagita, Satoru Soham and Hideo Matsumoto (1st Dept Surg, Kyorin Univ)
 442. Studies of relation between clinical manifestation in ulcerative colitis and HLA antigens: Kunio Nagata (3rd Div Dept Intern Med, Niigata Univ Med)
 443. Immunohistological studies on the role of secretory component, IgA, and goblet cell mucus in the colonic mucosal defence in ulcerative colitis: Fumihiko Inoue, Haruto Uchino and Hiroo Furukawa* (1st Div, Dept Intern Med, Fac Med, Kyoto Univ, Dept Intern Med, Otsu Red Cross Hosp*)
 444. T cell response to interleukin 2 in ulcerative colitis: Takeshi Yoshida, et al. (Dept Intern Med, Sch Med, Keio Univ)
 445. Immunological study of intestinal mucosal lymphocytes: K. Okawa, K. Kobayashi, M. Hiki, T. Matsumoto, H. Hashimura, S. Kuwajima, A. Kitano, S. Yamamoto* and Y. Kinoshita** (3rd Dept Intern Med*, 2nd Dept Physiol**, Osaka City Univ Med Sch)
 446. Immunohistological study of the intestine using monoclonal antibodies: Hiroyuki Yamaoka, Kiyoshi Nishiyama, Shigeru Tajima, Tsuneo Fukushima and Shuji Tsuchiya (2nd Dept Surg, Yokohama City Univ)
 447. The relation between the spleen and colon PS (polysaccharide) antibody production—I. Studies on the immunization at the foot pads of the splenectomized guinea pigs: Hiroo Furukawa, Fumihiko Inoue and Hidetsugu Ueda (Dept Intern Med, Ôtsu Red Cross Hosp)
 448. Beta-glucuronidase in the feces of inflammatory bowel disease: Akira Kubo (2nd Dept Surg, Yokohama City Univ)
 449. Cronkhite-Canada syndrome—Reappraisal of cases of long term observation in Japan: A. Goto, A. Onitsuka, Y. Horiya, M. Hayashi and E. Matsunami (1st Dept Surg, Gifu Univ & Matsunami Hosp)
 450. Fecal bile acid excretion in patients with colon cancer and polyp: Takashi Makino (Dept Intern Med, Sch Med Tokai Univ)

451. Bile acids in the feces of spontaneous colon cancer rat: Eijiro Hayashi (3rd Dept Intern Med, Osaka Univ Sch Med)
452. On the role of bile acid in large bowel disease VI. Fecal bile acid profiles in patients with ulcerative colitis: K. Sawada, N. Tanida, Y. Hikasa, et al. (Dept Intern Med 4, Hyogo Coll Med)
453. Changes of bile acid metabolism, intestinal transit time and colon carcinogenesis following right colectomy in animal model: T. Narisawa, M. Niwa, M. Sano, M. Sato, M. Takahashi, T. Ito, T. Takahashi, N. Tanida and T. Shimoyama (1st Dept Surg, Akita Univ Sch Med, 4th Dept Intern Med, Akita Univ Sch Med)
454. A clinical study in relation to colorectal cancer and gallbladder stone: Fumiko Kohakura (Dept Surg, Kitasato Univ Hosp)
455. Gallstones and carcinoma of the large bowel—Does cholecystectomy predispose to the development of right-sided colon cancer?: Motohisa Takami, Masaharu Kimura, Takayoshi Fujimoto, Naoji Takeuchi and Hiroshi Shimizu (Dept Surg, Toyonaka Munic Hosp)

Poster Sessions

1. Clinicopathological studies on hepatitis A infection in patients more than 50 years of age: Ryukichi Kumashiro (2nd Dept Intern Med Kurume Univ Sch Med)
2. Fulminant hepatitis and acute renal failure in prevalent hepatitis A: Masaomi Ookawa (1st Dept Intern Med, Hiroasaki Univ Sch Med)
3. A case report of severe type B hepatitis during steroid therapy: Haruo Nakayama (3rd Dept Intern Med, Tohoku Univ Sch Med)
4. The movements of albumin receptor, HBsAg and HBeAg during steroid therapy for chronic hepatitis type B: M. Mizokami, et al. (2nd Intern Med, Nagoya City, Univ Sch Med)
5. "Reversed seroconversion" on the chronic type B hepatitis —Incidence and significance—: Naoya Murashima (Dept Gastroenterol, Toranomon Hosp, Tokyo)
6. Interferon therapy for e-Ag positive chronic hepatitis, type B: Michio Kato (Dept Intern Med, Osaka Natl Hosp)
7. Combination Therapy of interferon and transfer factor on chronic hepatitis B: Seigo Takamatsu, Tatsuo Shimizu, Seiken Tanaka and Katsuhiko Akashi (Osaka Red Cross Hosp and Osaka Red Cross Blood Cent)
8. Steroid and glycyrrhizin therapy for non-A, non-B chronic hepatitis: Hiromitsu Kumada (Dept Gastroenterol, Toranomon Hosp, Tokyo)
9. Prognostic evaluation of limulus lysate test in fulminant hepatitis: Atsushi Ozawa (Liver Unit, Dept Med, Juntendo Univ Sch Med)
10. Diagnosis of DIC complicated severe liver disease by laboratory examination: Masaaki Kanayama, Sigeru Sakamoto, Wataru Koyama, Masato Maeda and Setsuko Suzuki (Dept Intern Med, Yokosuka Mutual Aid Hosp)
11. Blood flow of common carotid and brachial artery in acute hepatic failure and subacute hepatitis: Hirofumi Komori, Eiichi Tomita and Yasutoshi Muto (1st Dept Intern Med, Gifu Univ Sch Med)
12. Glucagon and insulin therapy; optimal doses and timing of administration in experimental hepatic failure: K. Fujiwara, I. Ogata, Y. Oka, Y. Ohta, Y. Sato, K. Takatsuki, S. Mishiro and H. Oka (1st Dept Intern Med, Fac Med, Univ of Tokyo, Tokyo)
13. The experimental study of insulin-glucagon therapy on insulin receptor of the cultured cell: Hitoshi Sugaya (2nd Dept Intern Med, Dokkyo Univ Sch Med)
14. Analysis of encephalopathy in DSRS, PTP and portal pancreatic hormone: Naoki Hashimoto, Yoshio Ishikawa, Hiroshi Ashida Takehira Yamamura and Joji Utsunomiya (Dept Surg, Hyogo Coll Med)
15. Effect of the per os rich branched chain amino acid jelly to liver cirrhosis and hepatic encephalopathy: Nobuo Yamada (Dept Intern Med, Sch Med, Kitasato Univ)

16. Changes of liver function after simultaneous major resection of liver and pancreas: Makoto Suzuki, Ichiro Nakase, Yoshifumi Kawarada and Ryuji Mizumoto (1st Dept Surg, Mie Univ Sch Med)
17. The metabolism of amino acid and the changes of pancreatic hormones after hepatectomy: Koichiro Tagami, Mitsuru Satake, Kazuo Sato, et al. (2nd Dept Surg, Nagoya Univ Sch Med, Nagoya)
18. The dynamics of polyamine in regenerating rat liver due to biliary obstruction and partial hepatectomy: Masanori Asai (1st Dept Surg, Nagoya Univ Sch Med)
19. Rat liver regeneration after partial hepatectomy from the viewpoint of hepatic weight and ultrastructure: Kaoru Nagahori, et al. (2nd Dept Surg, Yokohama City Univ Sch Med)
20. Morphometric analysis of mitochondria in hepatectomized rat: Kazunori Nakasone and Shuji Hashimoto (2nd Dept Intern Med, Univ fo Kagoshima)
21. Hepatic regeneration after major hepatectomy evaluated by CT: Tetsuo Kato (1st Dept Surg, Kumamoto Univ Med Sch)
22. Hepatotrophic factor in serum of patients with liver diseases: Juen Nagahama, et al. (2nd Dept Intern Med, Fac Med, Kagoshima Univ)
23. Clinical study of phagocytic activity of the reticuloendothelial system and serum levels of fibronectin after hepatic operation: Tatsuo Muramoto, et al. (1st Dept Surg, Hokkaido Univ Sch Med)
24. Liver functional course and liver disturbance after the resection of carcinoma of the digestive system: Naoki Sato (1st Dept Surg, Hokkaido Univ Sch Med)
25. Etiology and clinical features of liver injury developing after surgery: K. Hirata, Y. Ohta, K. Takatsuki, N. Masaki, I. Ogata, Y. Sato, Y. Oka, K. Fujiwara, H. Oka and S. Nakagawa* (1st Dept Intern Med, Fac Med, Univ of Tokyo and *Hitachi Gen Hosp)
26. Experimental study of amino acid metabolism on endotoxemic dogs: Tatsuro Harada, et al. (1st Dept Surg, Nagasaki Univ Sch Med)
27. Endotoxemia in various liver diseases and gram-negative septicemia using limulus coloric test (LCT): Yoshiaki Yajima (3rd Dept Intern Med, Tohoku Univ Sch Med, Sendai)
28. Effect of endotoxin on galactosamin liver injury: Akifumi Kobayashi (Dept Gastroenterol, Showa Univ Fujigaoka Hosp)
29. Studies of mitochondria damage in liver by changes of mitochondrial enzymes GLDH and OCT in sera: Tsuneo Matsuike (Dept Intern Med, 3rd Hosp, Jikei Univ Sch Med)
30. Serum alcohol dehydrogenase as a sensitive marker of hypoxic liver injury: Shinzo Kato, et al. (Dept Intern Med, Sch Med, Keio Univ)
31. The difference of glucuronyl transferase activities among various animals: Shinobu Yamasuge (Sanraku Hosp)
32. Studies of glucuronyl transferase activity in Gunn rats: Hiroko Kurisu (3rd Dept Intern Med, Tokyo Med and Dent Univ, Tokyo)
33. Clinical evaluation of adenosine deaminase activities in chronic liver diseases: Tadashi Okada, Yukihisa Ueno, et al. (Kawasaki Centr Hosp)
34. The study on the function of cultured hepatocytes: Effect of glucocorticoid on pyruvate kinase in hepatocytes: Osamu Miyanaga, Masanori Nagano, Yasuhiko Hirata, Hiromi Ishibashi and Hideo Okubo (1st Dept Med, Fac Med, Kyushu Univ)
35. Relationship of hepatic arterial spasm and formation of collateral blood supply to the liver after transcatheter arterial embolization therapy: Kenji Ikeda (Dept Gastroenterol, Toranomon Hosp, Tokyo)
36. Clinical and experimental studies of splenic arterial embolization treatment for hepatocellular carcinoma: Yoshiharu Kawazoe (2nd Dept Intern Med, Kurume Univ Sch Med)
37. New complication with T.C.A.E — A patient with hepatoma who died due to hemorrhage of multiple organs on 5th day after T.C.A.E —: Naoki Ohbayashi, et al. (Nishinomiya City Centr Hosp)
38. Immunological studies on transcatheter arterial embolization therapy with immunostimulants for hepatocellular carcinoma: Yukio Ohsaki, Taku Higuchi, Seigo Takamatsu, Kenichi Nakajima and Tatsuo Shimizu (Osaka Red Cross Hosp, Intern Med)
39. Clinical evaluation of 1-hexycarbamoyl-5-fluorouracil (HCFU) in hepatocellular carcinoma: Kimihiro

- Shiraishi (2nd Dept Intern Med, Kurume Univ Sch Med)
40. Treatment of hepatocellular carcinoma by transcatheter arterial embolization: Kiyoshi Kawai (1st Dept Intern Med, Gifu Univ Sch Med)
 41. Significance of preoperative T.A.E. for liver tumor: Keiko Naganuma, Masatoshi Okazaki, Hiroshi Matsuo, et al. (Dept Radiol, Sch Med, Fukuoka Univ)
 42. Arterial embolization therapy for hepatocellular carcinoma: K. Wakasa (Dept Radiol, Kyorin Univ Sch Med)
 43. Intraarterial injection of lipophilic anticancer drug/lipiodol and transcatheter arterial embolization combination therapy in hepatocellular carcinoma: Kenji Jinno, et al. (Dept Intern Med, Shikoku Cancer Cent Hosp)
 44. Alteration of blood coagulation and fibrinolysis after TAE in hepatocellular carcinomas: Yoshikazu Suyama, M. Iwai, M. Tada, H. Fujii, M. Miyoshi, S. Nishimura, T. Nishitani and K. Katake (3rd Dept Intern Med, Kyoto 1st Redcross Hosp)
 45. Prognosis and causes of death after transcatheter arterial embolization therapy and no therapy for patients with hepatocellular carcinoma: Toshio Kobayashi (Yokohama Higashi Natl Hosp)
 46. Case report: liver cancer of predominant Edmondson I grade with multiple intrahepatic metastasis: Tadashi Horimi, Kazuya Takeuchi, Kazuo Sasaoka, Hisashi Mimura, Kunzo Orita and Kazuo Tobe¹⁾ (1st Dept Surg, ¹⁾1st Dept Intern Med, Okayama Univ Med Sch)
 47. An experimental study of hepatoma injected with antitumor agents under ultrasonography: H. Yasuda, T. Takada, T. Kurosawa, M. Shishikura, K. Uchiyama and J. Shikata (1st Dept Surg, Teikyo Univ Sch Med)
 48. Intrahepatic administration of human fibroblast interferon (HuIFN- β) for hepatocellular carcinoma: Hiroshi Takekoshi (Tokyo Saiseikai Centr Hosp)
 49. Embryonal sarcoma of the liver: A case report: Keizo Ogasahara, Tetsuo Katayama, Kazunobu Monden, Yutaka Shimada, Tetsuya Hirano, Yukihiko Kono, Koji Bada, Masahiro Suzuoka, Mizuo Obayashi, Kazumoto Takasan and Katsumasa Shimada (Dept Surg and Pathol Lab, Kurashiki Centr Hosp)
 50. Rupture of hepatic tumors; analysis of eight cases: Toshihiro Mori, Masahiro Suenaga, et al. (2nd Dept Surg, Nagoya Univ Sch Med)
 51. Study on palliative therapy of unresectable hepatoma: Jun Kimura (1st Dept Surg, Hokkaido Univ Sch Med)
 52. Pathogenesis of hepatocytic ballooning in CCl₄ liver injury: Yoshiro Matsuda, Hiroyuki Sato, Minoru Yasuhara, Shujiro Takase and Akira Takada (Div Gastroenterol, Dept Intern Med, Kanazawa Med Univ)
 53. Study of the lobular distribution of fat-storing cells in human liver using a gold chloride method: Shinichi Tozuka, Yasushi Hasumura and Jugoro Takeuchi (2nd Dept Intern Med, Tokyo Med and Dent Univ)
 54. Experimental amyloidosis in mice: Yoshio Mori (1st Dept Med, Chiba Univ Sch Med)
 55. Comparative study of hepatic fibrosis between alcoholic fatty liver and diabetic fatty liver: Takeshi Okanoue, Hiroo Tomimasu, Masaharu Ohta, et al. (3rd Dept Intern Med, Kyoto Pref Univ Med)
 56. Electronmicroscopic findings of microtubulus and intermediate filaments in rat and human hepatocyte: Masafumi Komatsu (1st Dept Intern Med, Akita Univ Sch Med)
 57. Studies on liver lesion in malignant histiocytosis: Yoshiaki Takaoka (Osaka Seamen's Insur Health Res Cent)
 58. Lymphocyte-derived chemotactic factor for fibroblast in chronic active hepatitis: Tsunehisa Kawasaki (2nd Dept Intern Med, Fac Med, Kyoto Univ)
 59. Amoebic liver abscess in immunodeficiency: T. Bandoh, H. Toyoshima, K. Endoh, Y. Watanabe and A. Inoue (Dept Surg, Japan Red Cross Med Cent)
 60. Clinical evaluation of the endoscopic ultrasonography for the small lesions in pancreas and biliary tract: Keisuke Kiyota (Dept Gastroenterol, Kyoto 2nd Red Cross Hosp)

61. Studies on portal collateral circulation and functional of liver after sclerotherapy against esophageal varices: Hikoya Mitsuhashi (Fukushima Daiichi Hosp)
62. Study on the correlation between the collateral circulation and clinical manifestation of portal hypertension in cirrhotic patients: Y. Sakuraba, T. Hirashima, A. Benitani, I.K. Juan, A. Omiya and H. Sato (2nd Dept Surg, Sch Med, Chiba Univ)
63. The effect of vasopressin on portal hemodynamics in patients with portal hypertension: Masaaki Saito, Kunihiko Ohnishi and Kunio Okuda (1st Dept Med, Sch Med, Chiba Univ)
64. Usefulness of linear Doppler method in analysing the portal blood flow after shut operation of portal hypertension: Osamu Nishida (1st Dept Intern Med, Kyoto Univ, Fac Med)
65. Clinicopathological investigation between early died case and still alived case after endoscopic sclerotherapy: Kazuyoshi Nagata, Shinichiro Kawaguchi, Kozo Ikeda, Nobuo Kaku, et al. (Emergency Med Service Cent, Kurume Univ Sch Med, Kurume)
66. Studies on mechanisms of action of ethanolamine oleate and aethoxyklerol against esophageal varices: Morio Masaki (2nd Dept Intern Med, Fukushima Med Coll)
67. Clinical usefulness of pulsed-Doppler measurement of the left gastric vein: Takumi Kajikawa (1st Dept Med, Chiba Univ Med)
68. Study of hemodynamics of left gastric vein by superselective left gastric angiography in portal hypertension: Kenya Sakamoto, et al. (Dept Surg, Fujita Gakuen, Nagoya Hoken-Eisei Univ Sch Med)
69. Systemic hemodynamics in esophageal varices: Sumito Hoshino, Toshiaki Nonami, Akio Harada, et al. (2nd Dept Surg, Nagoya Univ Sch Med)
70. Evaluation of partial splenic embolization in cirrhotic patients with portal hypertension and hypersplenism: K. Kanai*, H. Honjo*, M. Unoura*, N. Tanaka*, Y. Kato*, K. Kobayashi*, N. Hattori*, M. Kadoya* and O. Matsui** (1st Dept Med* and Radiol**, Kanazawa Univ, Kanazawa)
71. Treatment and prognosis of hepatic cirrhosis caused by membranous obstruction of the inferior vena cava: Jiroichi Ono, Koro Sakoda and Taketo Katsuki (1st Dept Surg, Miyazaki Med Coll)
72. Experimental study of idiopathic portal hypertension (IPH) in sensitized rabbit with human spleen of IPH: T. Ishikawa, T. Todo, T. Yamashita, K. Yoshikawa, H. Hashimoto and K. Umeyama (1st Dept Surg, Osaka City Univ Med Sch)
73. PTO-EE combination therapy for esophageal varices: Kiyoshi Watanabe, et al. (1st Dept Med, Chiba Univ Sch Med)
74. Histological studies on esophageal collaterals after percutaneous transhepatic obstruction in portal hypertension: Yoshitaka Fukaya (1st Dept Surg, Aichi Med Univ)
75. Effect of injection sclerotherapy on portal systemic shunt: Y. Hinoue, D. Toya, M. Unoura, N. Tanaka, Y. Kato, K. Kobayashi and N. Hattori (1st Dept Intern Med, Kanazawa Univ, Kanazawa)
76. Side-effect in endoscopic-embolization therapy—Especially influence on the circulatory system: Mitsuhiro Kubo (Osaka Police Hosp)
77. Evaluation of cardio-pulmonary function after endoscopic injection sclerotherapy for esophageal varices: Ken-ichi Kumazawa (Dept Surg, Tokyo Women's Med Coll Daini-Byoin Hosp)
78. Comparison on effect and side effects of 5% ethanolamine oleate for esophageal varices: Katsutoshi Obara (2nd Dept Intern Med, Fukushima Med Coll)
79. Case-control study of gastric cancer: Yoshiyuki Watanabe (Dept Prevent Med, Kyoto Pref Univ Med)
80. A study on the spread of gastric cancer detected by the periodic mass survey: Hideaki Nishidoi, et al. (1st Dept Surg, Tottori Univ Sch Med)
81. Metastatic modes of gastric cancer from the stand point on 85 autopsied cases: Toshihiko Yamada, Moriya Machida, Susumu Ohtomo and Ichiro Ohki (Dept Intern Med, Gunma Cancer Cent)
82. Clinicopathological study of the depressed type of early gastric carcinomas: Kazuhide Kumagai (1st Dept Surg, Juntendo Univ, Sch Med)
83. Retrospective study of diffuse gastric cancer (linitis plastica) having arisen from the fundic gland mucosa: H. Ueda, M. Ueno, Y. Bunden, K. Sawaguchi, Y. Takahashi, T. Kitamura, T. Ogino, R. Akimoto and M. Mai (Surg, Cancer Res Inst Hosp, Kanazawa Univ)

84. The risk for gastric carcinoma and interval after partial gastrectomy: Masanori Ozawa, et al. (Dept Surg, Hirosaki Univ Sch Med, Hirosaki)
85. A clinicopathological and radiological study for the esophageal infiltration of the gastric cancer: T. Ogino, H. Ueda, T. Kitamura, I. Kitagawa, R. Akimoto and M. Mai (Cancer Res Inst Hosp Univ of Kanazawa)
86. Diagnosis for the depth of infiltration in gastric cancer by superselective magnification angiography: Kiyoshi Sawai, Takeshi Azuma, Hajime Tokuda, et al. (Dept Surg, Kyoto 2nd Red Cross Hosp)
87. Endoscopic lymphography (ELG) (1st report): Minoru Kizu, Shigeki Koyama, Hiroo Tomimasu, Hiroshi Takada and Hideo Uchida (Endos Unit, Ohtsu Munic Hosp and Dept Radiol, Nara Pref Univ Med)
88. The new method for paraaortic lymphnode dissection in gastric cancer operation: Shigeru Takahashi¹⁾, Genichi Kato¹⁾, Atsushi Takenaka¹⁾, Kiyoshi Sawai¹⁾, Hajime Tokuda¹⁾, Akiro Hagiwara²⁾ and Toshio Takahashi²⁾ (Dept Surg, Kyoto 2nd Red Cross Hosp¹⁾, 1st Dept Surg, Sch Med, Akita Univ²⁾)
89. Distribution of mitomycin C adsorbed to small sized activated charcoal particles after injection of gastric wall: Masato Takeda, Toshio Takahashi, Akeo Hagiwara, Rikko Lee and Tadashi Ueda (1st Dept Surg, Akita Univ Sch Med)
90. Local infusion of PSK for enhancement of immunocompetence of local lymph nodes: Hideaki Funahashi (Inst Gastroenterol, Tokyo Women's Med Coll)
91. Macroscopic changes of gastric cancer by anti-cancer chemotherapy: T. Izumi¹⁾, T. Maruyama¹⁾, Y. Sasaki¹⁾, H. Shirakabe¹⁾ and M. Kurihara²⁾ (Dept Intern Med, Juntendo Univ¹⁾, Dept Intern Med, Toyosu Hosp, Showa Univ²⁾)
92. Studies on immunological function by streptococcus pyogenes (OK-432) in the patients with cancers: Chikara Kobashi (2nd Dept Intern Med, Fukushima Med Coll)
93. Cis-platinum combined with pepelomycin in the treatment of non-epithelial cell malignancy of gastrointestinal tract: Toshiki Tatsumura, Shinji Koyama, Motoharu Tsuda and Keiichi Yamamoto (Dept Surg (1), Toyama Med & Pharm Univ)
94. Serum guanase in patients with NANB type liver cirrhosis: Hideshi Komori (Dept Gastroenterol, Kobe Gen Centr Hosp)
95. Studies on the methods for histochemical demonstration of guanase and the distribution in human tissues: K. Hayashi, I. Shimizu, M. Ooura, S. Inoue, T. Mizobuchi, M. Matsumura, S. Ito, S. Kishi, H. Mori and K. Ii* (2nd Dept intern Med, Sch Med, Tokushima Univ, 1st Dept Pathol*)
96. Ultrastructural studies of crystalline inclusions in cases of chronic hepatitis: Seishiro Watanabe and Mikio Nishioka (3rd Dept Intern Med, Kagawa Med Sch)
97. Plasma estrogen level in the patient of liver cirrhosis including PBC: A. Shibuya, K. Ishii, S. Matsuki, S. Nii, S. Kokubu, E. Hijikata, N. Yamada, H. Shibata, H. Okabe (Dept Intern Med, Kitasato Univ Sch Med)
98. Metabolism of vitamin D in liver cirrhosis: Tsutomu Kanda (Osaka Pref Hosp)
99. The fluctuation and clinical meaning of type III procollagen N-peptide in non-alcoholic liver disease: Masazumi Miura (2nd Dept Med, Shinshu Univ Sch Med)
100. Clinical significance of Type III procollagen peptide in sera of patients with various liver diseases: Hajime Nakayama (1st Dept Med, Jikei Univ Sch Med)
101. Clinical significance of serum type III procollagen amino-terminal peptide in hepatic diseases: Masatoshi Miyamoto (3rd Dept Intern Med, Nihon Univ Sch Med)
102. Radioimmunoassay for type I procollagen peptide in the sera of patients with hepatic fibrosis: N. Ito, K. Koda, M. Bunya, M. Owada, Y. Kohgo, Y. Niitsu and I. Urushizaki (Dept Intern Med, Sect 4, Sapporo Med Coll)
103. A study of extracellular matrix of the liver (biomatrix): III: Takayoshi Tanabe, Norio Koide, et al. (1st Dept Intern Med, Okayama Univ Med Sch)
104. Regularity of bile canalicular contractions — analyses by a computer — : C. Oshio, M. Miyairi, M. Oda, M. Tsuchiya and M.J. Phillips (Saitama Natl Hosp, Keio Univ, Univ of Toronto)

105. Platelet changes in hepatic diseases: Noboru Kasai, et al. (2nd Dept Intern Med, St Marianna Univ Sch Med)
106. Cytoprotection of prostaglandin E₁ in the primary culture of rat hepatocyte: Yoshitomo Ishii (2nd Dept Intern Med, Kurume Univ Sch Med)
107. Study of fibrinogen turnover rate in chronic liver diseases: K. Fukuoka, M. Kanai, M. Unoura, N. Tanaka, Y. Kato, K. Kobayashi and N. Hattori (1st Dept Intern Med Kanazawa Univ, Kanazawa)
108. Calcium dependency of ischemic liver cell death in primary liver cell culture: T. Fujimori, M. Monden, H. Sakai, M. Goto, J. Okamura and T. Mori (2nd Dept Surg, Osaka Univ Med Sch)
109. Dextran and anti-dextran antibodies in various liver diseases: Takao Morito (2nd Dept Intern Med, Fukushima Med Coll)
110. Mode of induction of phenobarbital (PB) inducible cytochrome P-450 and immunofluorescence localization in hepatic lobules of rats: Akihiko Mishima, Kunihiro Ohnishi, Akira Hayasaka, Fumio Nomura and Kunio Okuda (Dept Med, Chiba Univ)
111. Character of mucus in colonic mucosa in cases of inflammatory bowel disease: Chikao Shimamoto (2nd Dept Intern Med, Osaka Med Coll, Takatsuki)
112. Mucin histochemistry on rat colon carcinoma, as compared with those histological types: Mitsutaka Ueda, et al. (1st Dept Surg, Nippon Med Sch)
113. Immunohistochemical study on adenoma, cancer in adenoma and advanced cancer of large bowel using monoclonal antibody against carcinoembryonic antigen in comparison with histochemical study of mucin: Yoshiro Kubota (1st Dept Surg, Fac Med, Univ of Tokyo)
114. Role of prostaglandins in DMH induced colonic cancer in rats: Masato Tanaka, Saburou Nakazawa, Mitsumasa Koike and Takayuki Ozawa* (2nd Dept Intern Med and *Biomed Chem, Fac Med, Univ of Nagoya, Nagoya)
115. Histological study of biopsy specimen taken from amebic colitis: Hiroto Sawai (Gastroenterol Unit, Ohashi Hosp, Toho Univ)
116. Small flat neoplasms of the large intestine: Junjiro Kamiya, Tetsuichiro Muto, Fumio Konishi, Toshio Sawada and Yasuhiko Morioka (1st Dept Surg, Univ of Tokyo, Tokyo)
117. Clinicopathological study of colonic adenoma—comparative examination between single and multiple adenomas: F. Horimukai, et al. (4th Dept Intern Med, Tokyo Med Coll, Tokyo)
118. Histopathological comparison between Japanese and English adenomas removed by colonoscopy: F. Konishi, T. Muto, J. Kamiya, T. Sawada, K. Sugihara, Y. Morioka and B.C. Morson (1st Dept Surg, Univ of Tokyo and St Mark's Hosp)
119. A new approach to adenomacarcinoma sequence in the colorectum with special reference to quantitative analysis of carcinoma in adenoma: Miki Adachi (1st Dept Surg, Univ of Tokyo)
120. Recto-colonial adenoma: Relation of the site of lesion to increasing tendency and atypicality: Kotaro Yamaguchi, et al. (2nd Dept Intern Med, Shinshu Univ Sch Med)
121. Microangiographic study in chemically induced rat colon tumor: Norihiko Mori, et al. (2nd Dept Intern Med, Nagasaki Univ Sch Med)
122. Duration of symptoms in patients with colorectal cancer: T. Sagara, et al. (2nd Dept Surg, Tokyo Med and Dent Univ)
123. Carcinoma of the large bowel in Oxfordshire: I. Nakada¹⁾, E.C.G. Lee²⁾, M. Goldacre³⁾, et al. (¹⁾Tokyo Med Coll Kasumigaura Hosp, ²⁾John Radcliffe Hosp, Oxford, ³⁾Oxford Regional Health Authority)
124. Facilitation and rapidity of barium enema to aim at finding out early carcinoma of the large intestine: Teruyuki Kishida (3rd Dept Intern Med, Nippon Med Sch)
125. An immunological test for fecal occult blood by reversed passive hemagglutination—A screening examination in 850 humans: Hiroshi Saito, et al. (1st Dept Intern Med, Hirosaki Univ Sch Med)
126. Detection of immune response against colon carcinoma by micro-glass-tube LAI assay in rat and application to human cancer: Toshio Morizane, Itsuro Satoh, Shigeru Matsumura, Naoki Kumagai, Masaharu Tsuchiya and Hans Olov Sjögren* (Dept Intern Med, Sch Med, Keio Univ, *Wallenberg Lab, Univ of Ldd)

127. Five cases of ischemic colitis: Yasuo Katsumine, Kazuhiro Tani, Akifumi Yoshimura, Hisao Tamaki, Hirotane Tada and Shigeji Inamori (Ise Munic Hosp)
128. Radiation injury of rectum and its surgical problems: Hideyuki Ichikawa, Shiro Hayashi, Osamu Yasuna and Yoshinori Yamaura (Dept Surg I, Shinshu Univ Sch Med)
129. Prophylaxis & treatment of the postoperative infection after colo-rectal surgery. —On the effect of combined application of antibiotics—: Hiroshi Maruyama, Toshinao Inoue and Yoshio Mishima (2nd Dept Surg, Tokyo Med & Dent Univ, Tokyo)
130. Alteration of renin-angiotensin-aldosterone system after extensive large intestinal resections: Naoki Ishiguro (2nd Dept Surg, Yokohama City Univ Sch Med)
131. Local immune response in acute hemorrhagic colitis: Taeko Miyahara (1st Dept Intern Med, Yamaguchi Univ Sch Med)
132. Serum ADA activity and colonic tuberculosis: Yukifumi Saito, Toshiyuki Kato, Masayuki Niwa and Kazuei Ogoshi (Niigata Cancer Cent Hosp)
133. The effect of Cch, cAMP and ATP on pancreatic secretion in various $[Ca^{2+}]$ concentration: Toshinari Kimura* and Irene Schulz** (*3rd Dept Intern Med, Fac Med, Kyushu Univ, **Max-Planck-Institut für Biophysik, Frankfurt)
134. CCK-like activity of GRP on the pancreatic enzyme secretion: Eiji Kii, Yohsuke Tanaka, Tadao Manabe, Takayoshi Tobe and Haruaki Yajima* (1st Dept Surg, Fac Med and Fac Pharm*, Kyoto Univ)
135. Pancreatic exocrine function of streptozotocin-induced diabetic rat: Exocrine secretory responsiveness to synthetic secretin: Yoshinori Okabayashi (2nd Dept Intern Med Kobe Univ Sch Med)
136. A histologic study of the early development of acute pancreatitis in the rat —Ultrastructural observations—: S. Soh, K. Shim, K. Satake and K. Umeyama (1st Dept Surg, Osaka City Univ Med Sch)
137. Natural course of lysolecithin-induced acute pancreatitis in rats: Y. Takiyama, K. Yamadera, R. Myoen, K. Ohyama, T. Takebe and K. Ishii (2nd Dept Intern Med, Asahikawa Med Coll)
138. Plasma creatine kinase elevation in experimental acute pancreatitis of dog: Nobuo Nukuda, Sachiko Ina, Masashi Mizokami and Nobutoshi Kameshima (2nd Dept Intern Med, Nagoya City Univ Med Sch, Nagoya)
139. Establishment of homologous transplantable models of the hamster pancreatic adenocarcinoma and a cell line in tissue culture: Seiji Saito (Cent Health Service, Toyama Med and Pharmac Univ)
140. Studies on human pancreatic lipase (2): Lipase concentration in human serum and various organs determined by radioimmunoassay: T. Eguchi, R. Morishita, W-L. Chen and H. Uchino (1st Div Intern Med, Dept Med, Kyoto Univ Sch Med)
141. Influence of renal function on serum pancreatic secretory trypsin inhibitor: Toru Oka (2nd Dept Intern Med, Kobe Univ Sch Med)
142. Exocrine pancreatic function in liver cirrhosis: Yutaka Sasagawa (3rd Dept Intern Med, Tokyo Med and Dent Univ, Tokyo)
143. Evaluation of severity by whole body CT in acute pancreatitis: Gen Hatakeyama (Div Emergency & Critical Care Med, Hyogo Coll Med)
144. A case of non-functioning islet cell tumor decreased in size by radiation therapy: Tadatoshi Tsuchigame (Dept Radiol, Sch Med, Kumamoto Univ)
145. A case of pancreatic dermoid cyst with obstructive jaundice: Masaaki Ishizaki (Tokyo Senbai Hosp)
146. A preoperatively diagnosed case of glucagonoma: Hiroaki Miwata, et al. (1st Dept Surg, Okayama Univ Med Sch)
147. Acid secretion and gastrin in patients with gastric cancer: Takashi Kumamoto (1st Dept Intern Med, Hiroshima Univ)
148. Changes of blood gastrin levels stimulated by meat extract in chronic renal failure: E. Hata, et al. (Dept Intern Med (Sect I), Sapporo Med Coll)
149. Serum gastrin and gastric acid secretion in patients with chronic renal failure: Shigeaki Muto¹⁾, Yasushi Asano¹⁾, Hideaki Sakai¹⁾ and Michio Miyata²⁾ (Jichi Med Sch, ¹⁾Dept Intern Med, ²⁾Dept Surg)
150. Disappearance half-time of exogenous CCK in patients with hepatic cirrhosis and chronic renal failure,

- and in normal subjects: Shuji Kanayama (2nd Dept Intern Med, Osaka Univ Med Sch)
151. Heterogeneity of gastrin in hypergastrinemia: Tatsuo Ishizuka (3rd Dept Intern Med, Gifu Univ Sch Med)
 152. Fundamental study on intragastric titration technique using meat extract and its clinical application: Y. Sato, et al. (Dept Intern Med (Sect I), Sapporo Med Coll)
 153. Experimental atrophic gastritis (Part 6) – Gastric function – : Kazuma Okamoto (1st Dept Intern Med, Hiroshima Univ)
 154. Experimental studies of atrophic gastritis in rats – (IV) gastric mucosal changes induced by single administration of acetic acid: Shozo Yorioka, et al. (Dept Pathol, Kyoto Pref Univ Med)
 155. Effect of a couple of drugs on experimental gastritis: Akihiko Kambara (1st Dept Intern Med, Hiroshima Univ Sch Med)
 156. Ascorbate radical and ascorbic acid level in human serum and atrophy of gastric mucosa in old age: Daisuke Shibuya (3rd Dept Intern Med, Tohoku Univ Sch Med, Sendai)
 157. Comparison of prognosis of UGI bleeding before and after endoscopic therapy: Toshishige Miura, Yoshihide Keida, Seiryu Yogi and Masakiyo Ishihara (Dept Intern Med, Okinawa Chubu Hosp)
 158. Combination therapy by histamine H₂ receptor antagonist and thrombin on upper gastrointestinal bleeding due to peptic ulcers: Y. Tanaka, M. Yoshioka, I. Wada, K. Hao, S. Tashiro, M. Adachi, E. Wada, S. Yamada, A. Oda and A. Shirota* (Nippon Med Sch, Tama Nagayama Hosp, Surg, 1st Dept Surg*)
 159. Clinical study of the ulceration after pancreatoduodenectomy: Yasuo Takeshita (Dept Surg II, Sch Med, Kanazawa Univ)
 160. The efficacy of double snare method polypectomy: Shuichi Ohara (3rd Dept Intern Med, Tohoku Univ Sch Med, Sendai)
 161. Endoscopic laser treatment for intractable gastric ulcers: Kazunori Ida, Junichi Okuda, Shuji Kato, Keishi Takechi, Masayuki Ozaki and Haruo Miyagawa (2nd Dept Intern Med, Gifu Coll Dentistry)
 162. Diagnostic evaluation of compensated liver cirrhosis referring to clinical findings and laparoscopic liver findings: Norihiko Yoshizawa, Satoshi Kakiuchi, Yukihiko Tameda and Yoshitane Kosaka (1st Intern Med, Sch Med Mie Univ)
 163. Current condition of liver cirrhosis in our experience: Masaaki Ogino, et al. (1st Div, Dept Med, Yamaguchi Univ Sch Med)
 164. Prognosis and causes of death of liver cirrhosis in the aged: Kunio Takegoshi, et al. (Gastroenterol Div, Tokyo Metropol Geriat Hosp)
 165. Prognostic significance of HBV related antigen and antibody in liver cirrhosis: Ryuji Furukawa (1st Dept Intern Med, Nagasaki Univ Sch Med)
 166. A clinical study of long term followed patients with liver cirrhosis – Comparison between persistent infection with HBV and non infection – : Takeshi Kurihara (Inst Gastroenterol, Tokyo Women's Med Coll)
 167. Factors contributing prognosis of the patients with esophageal varices in liver cirrhosis: Yoshikazu Ashino, Kiyooki Ouchi, Kenji Koyama, Shuji Matsubara, Yasuo Owada and Toshio Sato (1st Dept Surg, Tohoku Univ Sch Med)
 168. Clinical analysis of spontaneous bacterial peritonitis in liver cirrhosis: Shigeki Hayashi, Etsuo Hoshino, Kei Matsueda, Noritsugu Umeda, Emi Shimojo, Kazuhiro Mori, Ryosuke Shoda, Toru Muraoka, Susumu Kurosawa, Tadamas Kobayashi, Shigeru Yamato, Toshiyuki Maruyama and Toshitsugu Oda (Natl Med Cent)
 169. Estimation of risk factors in patients with liver cirrhosis using theory of quantification: Y. Hanyuda*, K. Nagasawa**, H. Okumura**, et al. (*Dept Med, 2nd Hosp, **1st Dept Med, Nippon Med Sch)
 170. Quantitative diagnosis for hepatobiliary diseases: K. Yoshida*, H. Ishii**, S. Kato**, H. Takahashi**, S. Nagata** and M. Tsuchiya** (*Dept Prevent Med & Publ Heal, **Dept Intern Med, Sch Med, Keio Univ)
 171. Vesicosphincter Dysfunction detected by biliary scintigraphy in liver and biliary diseases: Toshio

- Muraki (Dept Nucl Med & Radiol Sci, Tokyo Metropol Geriat Hosp, Tokyo)
172. The evaluation of hepatobiliary scan using Tc-99m-diisopropyl IDA: Hitoshi Hemmi (3rd Dept Intern Med, St Marianna Univ Sch Med)
 173. Dynamic study of portal blood flow, gallbladder and stomach after yolk ingestion by ultrasound: Tadashi Miyashita, et al. (1st Dept Surg, Sch Med, Kyoto Univ)
 174. Relationship between gallbladder size by ultrasonotomography and gastroptosis: Shori Kunugi and Toshikazu Sekiguchi (1st Dept Intern Med, Gunma Univ Sch Med)
 175. Ultrasonographic diagnosis of splenic tumors: H. Abe, H. Matsui, K. Nakano, et al. (2nd Dept Intern Med, Kinki Univ Sch Med)
 176. Approach to early diagnosis of cholangiocarcinoma—Study of its clinical findings and imaging diagnosis: Masatoshi Sumida (1st Dept Med, Chiba Univ)
 177. Ultrasonographic study in mass screening for liver diseases: Shinichi Hirose (3rd Div Dept Intern Med, Niigata Univ)
 178. Comparison of echo attenuation with histological findings in fatty liver: T. Ikuta, Y. Minami, S. Yagi, K. Ogawa, I. Shimizu, T. Maekawa, Y. Kajitani and K. Kogawa (Dept Intern Med, Kyoto Natl Hosp)
 179. Study on the reliability of ultrasonography, CT scanning and angiography on the diagnosis of hepatocellular carcinomas: Hideo Mizuyoshi, Wataru Yamamuro, Kenichiro Kanno, Tomoki Hattori, Kazuo Furukawa, Masaru Furube, Shigeo Sugano, Hiroo Hosaka, Kozo Mizuiri and Toru Abei (2nd Dept Intern Med, Toho Univ Sch Med)
 180. Studies on three-dimensional visualization of abdominal organs: application for the liver and spleen using images of CT scan: T. Kashiwagi, M. Azuma, H. Matsuda, et al. (Dept Med, Osaka Kosei-Nenkin Hosp, Osaka)
 181. A study on the non-invasive measurement of liver cell volume by using computed tomography and ultrasonography: Nobuo Nishimura, Kouichi Akamatsu, Hirotada Ookubo, Kouhei Sato and Yasuyuki Ohta (3rd Dept Intern Med, Ehime Univ Sch Med)
 182. Dynamic sequential computed tomography during arterial portography in the detection of small liver cancers: O. Matsui, M. Kadoya, K. Kitagawa, K. Inoue, M. Suzuki, T. Takashima*, Y. Kato, K. Kobayashi**, M. Ida, H. Nishijima*** and S. Miura**** (Dept Radiol*, 1st Dept Intern Med**, Kanazawa Univ, Dept Radiol***, Dept Surg****, Fukuiken Saiseikai Hosp)
 183. Percutaneous catheter drainage of liver abscesses under ultrasonographic guidance: Hidekazu Mukai (Dept Gastroenterol, Kyoto 2nd Red Cross Hosp)
 184. Application of intra-arterial digital subtraction angiography to gastrointestinal disease: M. Suyama, J. Ariyama, S. Simaguchi, K. Ogawa, M. Itoh and H. Shirakabe (Dept Gastroenterol, Juntendo Univ, Tokyo)
 185. Clinical evaluation of abdominal digital subtraction angiography on cancer of the liver: Yoshikazu Ibuki (2nd Dept Intern Med, Dokkyo Univ Sch Med)
 186. RI angiography with in vivo labeled ^{99m}Tc-pertechnetate RBC in the specific diagnosis of cavernous hemangioma of the liver: Susumu Imoto (Dept Intern Med, Shinko Hosp, Kobe)
 187. Clinical experience of NMR-CT in gastrointestinal diseases: Takamitsu Ariga, Munemasa Ryu, et al. (2nd Dept Surg, Sch Med, Chiba Univ)
 188. Diagnostic usefulness of NMR-CT for diseases of the liver: Masaaki Ebara (1st Dept Med, Chiba Univ)
 189. Ultrasonograms in the development of cancer of the liver in VX₂-transplanted rabbits (1st report): K. Iida (1st Dept Intern Med, Toho Univ Sch Med)
 190. A study of echogenicity on rabbit's experimental liver cancer: Hirohumi Shuzenji (3rd Dept Intern Med, Nihon Univ Sch Med)
 191. NK cell activity of patients with gastroenterological cancers, chronic liver disease, or Behçet's disease: Yasushi Uda (3rd Dept Intern Med, Mie Univ Sch Med)
 192. Inhibition of immunosuppressor T cells by using anti-cancer drugs in gastric cancer patients: Shohei Koyama (Dept Intern Med, Inst Clin Med, Univ of Tsukuba)
 193. Augmentation of cytotoxicity of gastric cancer infiltrating lymphocyte by interleukin-2: Kiyotoshi Goto,

- Yoshikazu Akura, et al. (1st Dept Surg, Okayama Univ Med Sch)
194. Polymorphonuclear leucocyte (PMN) activating factor produced by lymphocytes of patients with gastrointestinal cancer: S. Ajitsu, Y. Shinzawa, M. Ishikawa and F. Sendo (2nd Dept Intern Med and Dept Parasitol, Yamagata Univ)
 195. Correlation between various immunological parameters of the patients with gastric cancer-special reference to Tr and PHA blast formation: T. Taira, et al. (Dept Surg, Tokyo Med Coll Kasumigaura Hosp)
 196. Two major genes, linked to HLA and Gm, control susceptibility to cancer of colon and rectum, and gastric cancer: Akikuni Yagita (1st Dept Surg, Kyorin Univ)
 197. Feulgen-DNA cytofluorometry in patients with border line lesions of stomach: Etsu Kohashi, et al. (3rd Dept Med, Nihon Univ Sch Med)
 198. Comparative studies between primary and metastatic carcinoma of colon and stomach in association with DNA histogram: Yutaka Fukuda, Y. Tagawa, M. Tomita, et al. (1st Dept Surg, Nagasaki Univ)
 199. Studies of 50 cases of gastric cancer less than 10 mm: Kouji Okanobu and Yoshio Naomoto (Med Inst Ohnishi Hosp)
 201. Pathological and stereomicroscopic studies of experimental gastric cancers in dogs: Shozo Okamura, Saburo Nakazawa*, Shinpei Kawaguchi*, Junji Yoshino*, Hiroshi Kozawa*, Shuji Kawase* and Hirosato Ohta* (Aichi Pref Cent Health Care, *2nd Dept Intern Med, Nagoya Univ, Nagoya)
 202. Studies on mucosal glycoprotein in human gastric cancer (2nd report): Kiyofumi Hanashiro (4th Dept Intern Med, Tokyo Med Coll)
 203. Changes in mucosal hexosamine concentration after different types of operations for duodenal ulcer: Tokuyuki Yokohata, et al. (1st Dept Surg, Fac Med, Univ of Tokyo)
 204. Histochemical study of phosphorylase in proliferating cells of intestinal metaplasia and carcinoma of the stomach: Shinya Shimada and Masanobu Akagi (2nd Dept Surg, Kumamoto Univ Med Sch, Kumamoto)
 205. The histochemical study of cancer struma: Takeo Yamada (Dept Surg, Tokyo Med Coll Kasumigaura Hosp)
 206. Mucosubstance histochemistry of human gastric carcinoma. X. GOS reactivity of covering epithelium-type signet ring cell: K. Kurasawa, et al.¹, T. Honda² and T. Katsuya² (¹Maruko Centr Hosp, Maruko, ²Centr Clin Lab, Shinshu Univ, Matsumoto)
 207. Studies on gastric mucosal blood flow before and after endoscopic sclerotherapy for esophageal varices: Reiichiro Hidaka (2nd Dept Intern Med, Kurume Univ Sch Med)
 208. LDH isoenzymes of gastric mucosa in gastric cancer: Toshimasa Kuwabara, et al. (1st Dept Intern Med, Nagoya Univ Sch Med)
 209. Biochemical and autoradiographic study on preferential site of the stomach cancer induced by MNNG: O. Kobori, M. Shoji, Y. Furuta, Y. Morioka, O. Wiestler and P. Kleihues (1st Dept Surg, Tokyo Univ and Inst Pathol, Freiburg Univ, FRG)
 210. The effect of gastric mucus on the process of cancer production. — Measuring the incorporation of [methyl-³H] MNNG into gastric mucosal DNA: Akira Torii (1st Dept Intern Med, Jikei Univ Sch Med)
 211. The incidence of peptic ulcer in mass gastric survey: K. Awai*, M. Shigaku*, K. Yoshikawa**, T. Banba** and S. Hosoda** (*Matsushita Heal Administr Cent, **2nd Dept Intern Med, Shiga Univ Med Sci)
 212. X-ray diagnosis of depressed early gastric cancer smaller than 10 mm: Masataka Sumida, Shinya Orino, Hisao Hayakawa and Haruo Ikenobe (Med Assoc Early Gast Cancer Detect)
 213. Study of X-ray diagnosis of the lesion in the region of what is called watershed: Norihiro Sakaki (2nd Dept Intern Med, Univ of Kagoshima)
 214. Analysis of ultrasonogram obtained by echoendoscopy: Noriaki Kanazawa, Shigeru Asaki, Kei Ohta and Yoshio Goto (3rd Dept Intern Med, Tohoku Univ, Sch Med)
 215. Appropriate intragastric pressure at the endoscopical examination by the telemetering method: Teiji Kura (Gastroenterol Clin, Nippon Ika Univ)
 216. Endoscopic pH measurement of gastric juice — 2,000 cases —: Rieko Ôtsuka, M.M., G.I., Y.I., H.K.,

- H.M., T.T., A.M., Y.Y. and K.I. (Shizuoka Rôsei Hosp)
218. Mucosal architecture and function in ulcer-associated and localized hyperemic mucosa of the duodenum: Shuji Inatsuchi, Michiko Tanaka and Hiroshi Sasaki (3rd Dept Intern Med, Toyama Med and Pharmac Univ)
 219. An evaluation of ^{99m}Tc-in vivo labeled red blood cell scintigraphy for the detection and localization of gastrointestinal bleeding: Yutaka Shimada, Tetsuo Katayama, Tetsuya Hirano, Keizoh Ogasahara, Yukihiro Kohno, Kohji Bada, Masahiro Suzuoka, Kazumoto Takasan and Yasuji Kawahara* (Dept Surg, Kurashiki Centr Hosp, Dept Radiol, Kurashiki Centr Hosp*)
 220. A case of type I early gastric cancer producing AFP: Kinichi Yokota, Tuneo Narisawa, Yutaka Orii, Hiromasa Minemoto¹⁾, Kiyoshi Okamura and Masayoshi Namiki²⁾ (Dept Intern Med, Asahikawa Kousei Hosp¹⁾, 3rd Dept Intern Med, Asahikawa Med Coll²⁾)
 221. A case of AFP producing gastric cancer with unusual clinical course: Y. Takahashi, I. Kitagawa, R. Akimoto and M. Mai (Dept Surg, Cancer Res Inst, Kanazawa Univ)
 222. Clinical and histological studies of six perforated gastric cancers: Mitsuaki Oguchi, Jiro Ohsawa, Tanoshi Yatagai, Takahiko Kosuga, Takahiro Shiraishi, Yasumasa Kurumi, Shûnichi Higashide and Masaaki Shinoda (Dept Surg, Gifu Coll Dentistry)
 223. Choriocarcinoma combined with embryonal carcinoma in the stomach of a male adult, report of a case: T. Kitagawa, T. Yokota, S. Yorimitsu, Y. Uchita, H. Tokuoka, K. Kondo and K. Iwata (Dept Digest Dis, Kochi Munic Centr Hosp)
 224. A case of uncommon type gastritis (fibrinoid angitis): Tomikazu Yamamoto, et al. (Dept Gastroenterol, Tenri Hosp)