

CURRICULUM VITAE



JIA-HORNG KAO M.D., Ph.D.

Current Position: **Director**, Hepatitis Research Center, National Taiwan University Hospital, 2003-
Professor, Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine, 2003-
Attending Physician, Department of Internal Medicine and Division of Gastroenterology, National Taiwan University Hospital, 1992-

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Date of Birth: April 21, 1962

Education:

College of Medicine, National Taiwan University, Taiwan	1980-1987	M.D.
Graduate Institute of Clinical Medicine, National Taiwan University College of Medicine	1991-1994	Ph.D.

Postgraduate Training:

National Taiwan University Hospital	1986-1990 Intern/Resident
Department of Internal Medicine	1990-1991 Chief Resident
	1990-1992 Fellow, Division of Gastroenterology

Past Position:
Secretary General, Taiwan Association for the Study of Liver, 2004-2005
Vice Secretary General, Gastroenterological Society of Taiwan, 2003-2006

Honors and Awards:

1. Graduate Student Scholarships, Institute of Biomedical Sciences, Academia Sinica July, 1992–June, 1995
2. Graduate Studies Thesis Scholarships, The Li-Ching Foundation 1994
3. Research Award from the National Science Council, Executive Yuan, ROC 1994, 1995, 1996, 1999
4. Outstanding Research Award from the National Science Council, Executive Yuan, ROC 1997-1998, 2000-2001, 2003-2005
5. Academic Award of Prof. JL Sung's Research Foundation 1995
6. Physician Research Scholarships, Institute of Biomedical Sciences, Academia Sinica July, 1995–June, 1997
7. Graduate Student Research Award, National Taiwan University College of Medicine 1996
8. Physician Research Award, National Taiwan University Hospital 1996
9. Young Investigator's Award for the 10th Asian-Pacific Congress of Gastroenterology and the 7th Asian-Pacific Congress of Digestive Endoscopy 1996
10. Outstanding Research Award of the National Taiwan University Hospital 1997
11. Research Award of the Liver Disease Prevention and Treatment Research Foundation 1998
12. Ching-Shinn Medical Research Award 2003
13. Academic Award of Prof. WY Chen's Research Foundation 2004
14. Outstanding Research Award for Excellence in Medical Research, National Taiwan University Hospital 2005
15. Young Scientist Academic Research Award, Mr. Lee TD's Medical Foundation 2006

Associate Editor of Journals:

1. Liver International (SCI) 2002–

Editorial Board of Journals:

1. J Gastroenterol Hepatol (SCI) 2005–
2. Recent Patents on Anti-Infective Drug Discovery 2006–
3. Journal of Infectious Diseases (SCI) 2006–

Reviewer of Journals:

1. Journal of Biomedical Science (SCI)	1996–
2. Journal of Gastroenterology and Hepatology (SCI)	1997–
3. Acta Paediatrica Sinica	1998–
4. Hepatology Research (SCI)	1999–
5. Gastroenterological Journal of Taiwan	1999–
6. Journal of Microbiology, Immunology and Infection	1999–
7. J Formos Med Assoc (SCI)	2000–
8. Journal of Medical Virology (SCI)	2001–
9. Hepatology (SCI)	2001–
10. Liver International (SCI)	2002–
11. Journal of Infectious Diseases (SCI)	2003–
12. Journal of Hepatology (SCI)	2003–
13. Journal of Viral Hepatitis (SCI)	2003–
14. GUT (SCI)	2003–
15. Lancet (SCI)	2004–
16. World J Gastroenterol (SCI)	2004–
17. Journal of General Virology (SCI)	2005–
18. International Journal of Cancer (SCI)	2005–
19. Tropical Medicine & International Health (SCI)	2005–
20. Renal Failure (SCI)	2006–
21. Chinese Journal of Physiology (SCI)	2006–
22. Journal of Virological Methods (SCI)	2006–
23. Clinical Infectious Diseases (SCI)	2006–
24. Journal of Infection (SCI)	2006–
25. Archives of Virology (SCI)	2006–
26. The Journal of the National Cancer Institute (SCI)	2006–
27. Yonsei Medical Journal (Korea)	2006–

Reviewer of Grant Proposals:

1. National Science Council, Executive Yuan, Taiwan	1995–
2. Department of Health, Executive Yuan, Taiwan	1997–
2. Italian Association for Cancer Research (AIRC), Italy	2003
3. Tropical Health Services Research grants, The Wellcome Trust, UK	2003
4. Research Grant Council, HK	2004–

PUBLICATIONS

(1) Original Articles:

1. Kao JH, Lai MY, Lin JT, Yang PM, Sheu JC, Chen DS, Sung JL and Wang TH. Therapeutic effect of ursodeoxycholic acid on early-stage primary biliary cirrhosis. *J Formos Med Assoc* 1991; 90: 970-974.
2. Kao JH, Chen PJ, Yang PM, Lai MY, Sheu JC, Wang TH and Chen DS. Intrafamilial transmission of hepatitis C virus: the important role of infections between spouses. *J Infect Dis* 1992; 166: 900-903.
3. Kao JH, Huang GT, Sheu JC, Wang TH and Chen DS. *Klebsiella pneumoniae* liver abscess complicated by metastatic septic endophthalmitis. *J Emerg Crit Care Med* 1992; 3: 31-41.
4. Chen PJ, Wang JT, Hwang LH, Yang YH, Hsieh CL, Kao JH, Sheu JC, Lai MY, Wang TH and Chen DS. Transient immunoglobulin M antibody response to hepatitis C virus capsid antigen in posttransfusion hepatitis C: A putative serological marker for acute viral infection. *Proc Natl Acad Sci USA* 1992; 89: 5971-5975.
5. Kao JH, Chen PJ, Lai MY, Chen DS. Superinfection of heterologous hepatitis C virus in a patient with chronic type C hepatitis. *Gastroenterology* 1993; 105: 583-587.
6. Kao JH, Chen PJ, Lai MY, Wang TH, Chen DS. Sexual transmission of hepatitis C virus. *Lancet* 1993; 342: 626.
7. Lin HH, Kao JH, Leu JH, Young YC, Lee TY, Chen PJ and Chen DS. Comparison of three different immunoassays and PCR for the detection of hepatitis C virus infection in pregnant women in Taiwan. *Vox Sang* 1993; 65: 117-121.
8. Kuo MYP, Hahn LJ, Hong CY, Kao JH, Chen DS. Low prevalence of hepatitis C virus infection among dentists in Taiwan. *J Med Virol* 1993; 40: 10-13.
9. Chen PJ, Hwang LH, Chang LY, Kao JH, Chen DS. Immunoglobulin M antibodies against hepatitis C virus antigens: significance and applications. *Gastroenterol Jpn* 1993; 28: 67-70.
10. Lee WY, Tsai S, Kao JH, Lai MY. Taiwanese patient with recurrent polyserositis: report of a case. *J Formos Med Assoc* 1993; 92: 1013-1016.
11. Lin HH, Kao JH, Hsu HY, Ni YH, Yeh SH, Chang MH, Hwang SC, Chen PJ, Chen DS. Possible role of high maternal viremia in perinatal transmission of hepatitis C virus. *J Infect Dis* 1994; 169: 638-641.
12. Kao JH, Chen PJ, Lai MY, Yang PM, Sheu JC, Wang TH, Chen DS. Detection of divergent hepatitis C virus envelope sequences. *J Biomed Sci* 1994; 1: 158-162.
13. Kao JH, Tsai SL, Yang PM, Sheu JC, Lai MY, Hsu HC, Sung JL, Wang TH, Chen DS. A clinicopathologic study of chronic non-A, non-B (type C) hepatitis in Taiwan: comparison between posttransfusion and sporadic patients. *J Hepatol* 1994; 21: 244-249.
14. Tsai SL, Chen PJ, Hwang LH, Kao JH, Huang JH, Chang TH, Chen DS. Immune response to a hepatitis C virus nonstructural protein in chronic hepatitis C virus infection. *J Hepatol* 1994; 21: 403-411.
15. Kao JH, Chen PJ, Lai MY, Yang PM, Sheu JC, Wang TH, Chen DS. Mixed infections of hepatitis C virus as a factor in acute exacerbation of chronic type C hepatitis. *J Infect Dis* 1994; 170: 1128-1133.
16. Hou CH, Chen WY, Kao JH, Chen DS, Yang Y, Chen JJ, Lee SH, Wu DJ, Yang SC. Intrafamilial transmission of hepatitis C virus in hemodialysis patients. *J Med Virol* 1995; 45: 381-385.
17. Lin HH, Kao JH, Hsu HY, Ni YH, Chang MH, Huang SC, Hwang LH, Chen PJ, Chen DS. Absence of infection in breast-fed infants born to hepatitis C virus carrier mothers. *J Pediatr* 1995; 126: 589-591.

18. Kao JH, Chen PJ, Lai MY, Wang TH, Chen DS. Quasispecies of hepatitis C virus and genetic drift of the hypervariable region in chronic type C hepatitis. *J Infect Dis* 1995; 172: 261-264.
19. Yang PM, Hwang LH, Lai MY, Huang WL, Chu YD, Chi WK, Chiang BL, Kao JH, Chen PJ, Chen DS. Prominent proliferative response of peripheral blood mononuclear cells to a recombinant nonstructural (NS3) protein of hepatitis C virus in patients with chronic hepatitis C. *Clin Exp Immunol* 1995; 101: 272-277.
20. Yang SS, Wu CH, Huang CS, Ho MS, Lai MY, Kao JH, Chen DS. Early interferon therapy and abortion of posttransfusion hepatitis C viral infection. *J Clin Gastroenterol* 1995; 21: 38-41.
21. Lin HH, Kao JH, Chen DS. Mother-to-infant transmission of hepatitis C virus and breast-feeding (Reply). *J Pediatr* 1995; 671.
22. Kao JH, Chen PJ, Lai MY, Yang PM, Sheu JC, Wang TH, Chen DS. Genotypes of hepatitis C virus in Taiwan and the progression of liver disease. *J Clin Gastroenterol* 1995; 21: 233-237.
23. Lin HH, Kao JH, Huang SC, Lee TY, Chen PJ, Chen DS. Prevalence, genotypes and antibody titer of hepatitis C virus in pregnant women in Taiwan. *J Obstet Gynaecol* 1995; 21: 557-562.
24. Kao JH, Yang PM, Lai MY, Chen PJ, Wang TH, DS Chen. Evaluation of third-generation hepatitis C antibody assay in chronic hepatitis C and chronic non-B, non-C hepatitis. *Viral Immunology* 1995; 8: 135-139.
25. Kao JH, Chen PJ, Chen DS. GBV-C in the aetiology of fulminant hepatitis. *Lancet* 1996; 347: 120-121.
26. Lin HH, Kao JH, Hsu HY, Ko TM, Mizokami M, Iino S, Hirano K, Chen DS. Elective cesarean section has least microtransfusion from mother to fetus: evidence from studies on serum hepatitis B surface antigen and placental alkaline phosphatase. *Obstet Gynecol* 1996; 87: 244-248.
27. Kao JH, Lai MY, Hwang YT, Yang PM, Chen PJ, Sheu JC, Wang TH, Hsu HC, Chen DS. Chronic hepatitis C without detectable anti-hepatitis C antibodies by second generation assay: a clinicopathologic study and demonstration of the usefulness of a third-generation assay. *Dig Dis Sci* 1996;41:161-165.
28. Kao JH, Lai MY, Chen PJ, Hwang LH, Chen DS. Clinical significance of serum hepatitis C virus titers in patients with chronic type C hepatitis. *Am J Gastroenterol* 1996; 91: 506-510.
29. Kao JH, Lin HH, Chen PJ, Lai MY, Wang TH, Mizokami M, Chen DS. Serotyping of hepatitis C virus in chronic type C hepatitis: correlation with genotype. *J Gastroenterol* 1996; 31: 224-227.
30. Lin HH, Kao JH, Chen PJ, Chen DS. Mechanism of vertical transmission of hepatitis G. *Lancet* 1996; 347: 1116.
31. Kao JH, Chen PJ, Yang PM, Lai MY, Wang TH, Chen DS. Absence of extensive genetic heterogeneity of hepatitis C virus in antibody-negative chronic hepatitis C. *J Med Virol* 1996; 49: 87-90.
32. Hwang LH, Yang PM, Lai MY, Chiang BL, Kao JH, Wang JT, Lee SY, Chian HM, Chi WK, Chu YD, Chen PJ, Chen DS. Identification of humoral antigenic determinants in the hepatitis C virus NS3 protein. *J Infect Dis* 1996; 174: 173-176.
33. Kao JH, Chen PJ, Hsiang SC, Chen W, Chen DS. Phylogenetic analysis of GB virus C: comparison of isolates from Africa, North America, and Taiwan *J Infect Dis* 1996; 174: 410-413.
34. Lin HH, Kao JH, Mizokami M, Huang SC, Chen PJ, Chen DS. Serotypes, genotypes and levels of hepatitis C viremia in pregnant women in Taiwan. *J Formos Med Assoc* 1996; 95: 429-434.
35. Hwang YT, Chen PJ, Kao JH, Wang TD, Wang HH, Chu JS, Su IJ, Chen DS. Rapid hepatic failure associated with a contracted liver mimicking cirrhosis in a case of nasopharyngeal carcinoma with liver metastasis. *Liver* 1996;16: 283-287.

36. Kao JH, Hwang YT, Chen PJ, Yang PM, Lai MY, Wang TH, Chen DS. Transmission of hepatitis C virus between spouses: the important role of exposure duration. *Am J Gastroenterol* 1996; 91: 2087-2090.
37. Kao JH, Chen PJ, Lai MY, Chen DS. GBV-C/HGV infection and aplastic anemia. *Lancet* 1996; 348: 1032-1033.
38. Kao JH, Lai MY, Chen PJ, Hwang LH, Chen DS. Serum hepatitis C virus titers in the progression of type C chronic liver disease: with special emphasis on patients with type 1b infection. *J Clin Gastroenterol* 1996; 23: 280-283.
39. Lai MY, Kao JH, Yang PM, Wang JT, Chen PJ, Chan KW, Chu JS, Chen DS. Long-term efficacy of ribavirin plus interferon alfa in the treatment of chronic hepatitis C. *Gastroenterology*. 1996;111:1307-1312.
40. Chen PJ, Kao JH, Chen DS. Hepatitis G virus in intravenous immunoglobulin. *Gastroenterology* 1996; 111: 1399-400.
41. Kao JH, Chen PJ, Lai MY, Yang PM, Wang TH, Chen DS. Superinfection of homotypic virus in hepatitis C virus carriers: studies on patients with posttransfusion hepatitis. *J Med Virol* 1996; 50: 303-308.
42. Kao JH, Chen PJ, Wang JT, Lai MY, Chen DS. Blood bank screening for hepatitis G. *Lancet* 1997; 349: 207.
43. Kao JH, Chen PJ, Lai MY, Chen DS. Amplification of GB virus-C/hepatitis G virus RNA with primers from different regions of the viral genome. *J Med Virol* 1997;51:284-289.
44. Kao JH, Chen PJ, Lai MY, Chen W, Liu DP, Wang JT, Shen MC, Chen DS. GB virus-C/hepatitis G virus infection in an area endemic for viral hepatitis, chronic Liver disease, and liver cancer. *Gastroenterology* 1997; 112: 1265-1270.
45. Liu CJ, Kao JH, Chen PJ, Lai MY, Hsu HC, Wang TH, Chen DS. Benign recurrent intrahepatic cholestasis: report of a case. *J Formos Med Assoc* 1997; 96: 370-373.
46. Kao JH, Chen PJ, Lai MY, Wang TH, Chen DS. Positive and negative strand of hepatitis C virus RNA sequences in peripheral blood mononuclear cells in patients with chronic hepatitis C: no correlation with viral genotypes 1b, 2a, and 2b. *J Med Virol* 1997; 52: 270-274.
47. Chung JL, Kao JH, Kong MS, Yang CP, Hung IJ, Lin ZT. Hepatitis C and G virus infections in polytransfused children. *Eur J Pediatr* 1997; 156: 546-549. (Correspondence author).
48. Kao JH, Chen W, Chen PJ, Lai MY, Lin RY, Chen DS. GB virus-C/hepatitis G virus infection in prostitutes: the possible role of sexual transmission. *J Med Virol* 1997;52: 381-384.
49. Wei SC, Kao JH, Lee WY, Lin JT, Wang TH. Acute pancreatitis complicating with infarction of spleen and spinal cord: a report of rare association. *J Formos Med Assoc* 1997; 96: 754-757. (Correspondence author).
50. Kao JH, Lai MY, Chen PJ, Wang TH, Chen DS. Implications of immunoglobulin M antibody response to hepatitis C virus core protein in patients with chronic hepatitis C. *J Formos Med Assoc* 1997; 96: 825-828.
51. Chen HL, Chang MH, Ni YH, Hsu HY, Kao JH, Chen PJ. Hepatitis G virus infection in normal and prospectively followed posttransfusion children. *Pediatr Res* 1997; 42: 784-787.
52. Kao JH, Liu CJ, Chen PJ, Chen W, Hsiang SC, Lai MY, Chen DS. Interspousal transmission of GB virus-C/hepatitis G virus: a comparison with hepatitis C virus. *J Med Virol* 1997; 53:348-353.
53. Lin HH, Kao JH, Yeh KY, Chang MH, Chen PJ, Chen DS. Mother-to-infant transmission of GB virus-C/hepatitis G virus: the role of high-titered maternal viremia and mode of delivery. *J Infect Dis* 1998; 177: 1202-1206.
54. Kao JH, Chen PJ, Lai MY, Chen W, Chen DS. Effects of GB virus-C/hepatitis G virus on hepatitis B and C viremia in multiple hepatitis virus infections. *Arch Virol* 1998; 143: 797-802.

55. Kao JH, Hwang JJ. Hepatitis C virus infection and chronic active myocarditis. *Circulation* 1998; 98: 1044.
56. Kao JH, Lai MY, Chen W, Chen PJ, Chen DS. Efficacy of ribavirin plus interferon alfa on viremia of GB virus-C/hepatitis G virus: comparison with interferon alfa alone *J Gastroenterol Hepatol* 1998; 13: 1249-1253.
57. Huang CH, Kao JH, Tsai TJ, Hung KY, Chen DS. GB virus C/hepatitis G virus infection in patients on continuous ambulatory peritoneal dialysis. *Nephrol Dial Transpl* 1998; 13: 2914-2919.
58. Liu CJ, Kao JH, Lai MY, Chen PJ, Chu JS, Chen W, Chen DS. Minimal Role of GB Virus-C/Hepatitis G Virus in Fulminant and Subfulminant Hepatitis in Taiwan. *J Gastroenterol Hepatol* 1999; 14: 352-357.
59. Kao JH, Wood M, Chen PJ, Lai MY, Chen DS. Comparison of two methods for quantitation of hepatitis B viral DNA. *J Gastroenterol Hepatol* 1999; 14: 419-422.
60. Kao JH, Chen DS. GB virus-C/hepatitis G virus infection in Taiwan: a virus that fails to cause a disease? *J Biomed Sci* 1999;6:220-225. (Correspondence author).
61. Kao JH, Heptonstall J, Chen DS. Molecular methods for hepatitis B virus, hepatitis C virus and human immunodeficiency virus infection: Implications for occupational health practice. *Occupational and Environmental Medicine* 1999;56:730-734.
62. Pu YS, Liu CM, Kao JH, Chen J, Lai MK. Antiandrogen hepatotoxicity in patients with chronic viral hepatitis. *Eur Urol* 1999; 36: 293-297.
63. Kao JH, Huang CH, Chen W, Chen PJ, Tsai TJ, Lee SH, Hung KY, Chen DS. GB Virus-C infection in hemodialysis patients: molecular evidence for nosocomial transmission *J Infect Dis* 1999;180:191-194.
64. Kao JH, Chen W, Chen PJ, Lai MY, Chen DS. Liver and peripheral blood mononuclear cells are not major sites for GB virus-C/hepatitis G virus replication. *Arch Virol* 1999; 144: 2173-2183.
65. Kao JH, Chen W, Hsiang SC, Chen PJ, Lai MY, Chen DS. Prevalence and implication of TT virus infection: minimal role in patients with non-A-E hepatitis in Taiwan. *J Med Virol* 1999 ;59: 307-312.
66. Kao JH, Chen PJ, Lai MY, Chen DS. Hepatitis B genotypes correlate with clinical outcomes in patients with chronic hepatitis B. *Gastroenterology* 2000; 118: 554-559.
67. Kao JH, Chen W, Chen PJ, Lai MY, Chen DS. TT virus infection in patients with chronic hepatitis B or C: Influence on clinical, histological and virological features. *J Med Virol* 2000 Apr; 60(4): 387-392.
68. Kao JH, Liu CJ, Chen PJ, Chen W, Hsiang SC, Lai MY, Chen DS. Low incidence of hepatitis C virus transmission between spouses: a prospective study. *J Gastroenterol Hepatol* 2000;15:391-395.
69. Wang JT, Lee CZ, Kao JH, Sheu JC, Wang TH, Chen DS. Incidence and clinical presentation of posttransfusion TT virus infection in prospectively followed transfusion recipients: emphasis on its relevance to hepatitis. *Transfusion*. 2000 May;40(5):596-601.
70. Lin HH, Kao JH. Effectiveness of second- and third-generation immunoassays for the detection of hepatitis C virus infection in pregnant women. *J Obstet Gynecol Res* 2000; 26: 265-270.
71. Kao JH, Chen DS. Transmission of hepatitis C in Asia: past and present perspectives. *J Gastroenterol Hepatol* 2000;15:E91-96. (Correspondence author).
72. Liu CJ, Kao JH, Chen W, Tsai RJ, Chen PJ, Lai MY, Chen DS. Interspousal transmission of TT virus: low efficiency and lack of apparent risk factors. *J Gastroenterol Hepatol* 2000;15:1287-1291.
73. Kao JH, Chen PJ, Lai MY, Chen DS. Efficacy of consensus interferon in the treatment of chronic hepatitis C. *J Gastroenterol Hepatol* 2000;15:1418-1423.

74. Kao JH, Wu NH, Chen PJ, Lai MY, Chen DS. Hepatitis B genotypes and the response to interferon therapy. *J Hepatol* 2000;33:998-1002.
75. Lin HH, Kao JH. Hepatitis C virus load during pregnancy and puerperium. *Br J Obstet Gynecol* 2000;107:1503-1506.
76. Lin HH, Kao JH, Chen DS. Mother-to-child HCV transmission. *Lancet*: 2001;357: 142-143.
77. Kao JH, Chen DS. Hepatitis B virus genotypes and hepatocellular carcinoma in Japan-Reply. *Gastroenterology* 2001;120:1564-1565.
78. Chen JD, Chung JL, Kao JH, Chen DS. Postpartum acute exacerbation of chronic hepatitis in a hepatitis C carrier mother: a case report. *J Gastroenterol Hepatol* 2001;16:705-708. (Correspondence author).
79. Kao JH, Hsu HM, Shau WY, Chang MH, Chen DS. Universal hepatitis B vaccination and the decreased mortality from fulminant hepatitis in infants in Taiwan. *J Pediatr* 2001;139:349-352.
80. Liu CJ, Lai MY, Lee PH, Chou NK, Chu SH, Chen PJ, Kao JH, Jen YM, Chen DS. Lamivudine treatment for hepatitis B reactivation in HBsAg carriers after organ transplantation: A 4-year experience. *J Gastroenterol Hepatol* 2001;16:1001-1008.
81. Liu CJ, Chen PJ, Lai MY, Kao JH, Chen DS. Hepatitis B virus variants in patients receiving lamivudine treatment with breakthrough hepatitis evaluated by serial viral loads and full-length viral sequences. *Hepatology* 2001;34:583-589.
82. Kao JH, Chen PJ, Lai MY, Chen DS. Acute exacerbations of chronic hepatitis B are rarely associated with superinfection of hepatitis B virus. *Hepatology* 2001;34:817-823. (Correspondence author).
83. Kao JH, Chen PJ, Lai MY, Chen DS. Prolonged interferon treatment after combination interferon and ribavirin therapy in patients with chronic hepatitis C: a clinical trial of interferon relapsers and non-responders. *J Formos Med Assoc* 2001;100:662-667.
84. Tsai CT, Kao JH, Hsu KL, Chiang FT, Tseng CD, Liau CS, Tseng YZ, Hwang JJ. Relation of *Chlamydia pneumoniae* infection in Taiwan to angiographically demonstrated coronary artery disease and to the presence of acute myocardial infarction or unstable angina pectoris. *Am J Cardiol* 2001;88:960-963.
85. Kao JH, Chen PJ, Lai MY, Chen DS. Probable reinfection of hepatitis C virus in a chronic hepatitis C patient with a sustained response to combination therapy. *J Formos Med Assoc* 2001;100:824-828.
86. Kao JH, Chen PJ, Lai MY, Chen DS. Clinical and virological aspects of hepatitis B genotypes B and C-infected blood donors. *J Clin Microbiol* 2002;40:22-25. (Correspondence author).
87. Lin HH, Kao JH, Lee PI, Chen DS. Early acquisition of TT virus in infants: probable minor role of maternal transmission. *J Med Virol* 2002;66:285-290.
88. Kao JH, Chen DS. Recent updates in hepatitis vaccination and the prevention of hepatocellular carcinoma. *Int J Cancer* 2002;97:269-271.
89. Kao JH, Chen W, Chen PJ, Lai MY, Chen DS. Prevalence and implication of a newly identified infectious agent (SEN virus) in Taiwan. *J Infect Dis* 2002;185:389-392. (Correspondence author).
90. Kao JH, Liu CJ, Chen DS. Hepatitis B viral genotypes and lamivudine resistance *J Hepatol* 2002;36:303-304. (Correspondence author).
91. Kao JH. Clinical relevance of hepatitis B viral genotypes: a case of de'ja' vu ? *J Gastroenterol Hepatol* 2002;17:113-115 (Correspondence author).
92. Kao JH. Hepatitis B viral genotypes: clinical relevance and molecular characteristics. *J Gastroenterol Hepatol* 2002;17:643-650. (Correspondence author).
93. Liu CJ, Kao JH, Chen PJ, Lai MY, Chen DS. Molecular epidemiology of hepatitis B viral serotypes and genotypes in Taiwan. *J Biomed Sci.* 2002;9:166-170.

94. Lin CL, Liao LY, Liu CJ, Chen PJ, Lai MY, Kao JH, Chen DS. Hepatitis B genotypes and precore/basal core promoter mutants in HBeAg-negative chronic hepatitis B. *J Gastroenterol* 2002;37, 283-287. (Correspondence author).
95. Kao JH, Chen PJ, Lai MY, Chen DS. Genotypes and clinical phenotypes of hepatitis B virus in patients with chronic hepatitis B virus Infection. *J Clin Microbiol* 2002;40:1207-1209. (Correspondence author).
96. Kao JH, Chen PJ, Lai MY, Chen DS. Sequence analysis of pre-S/surface and pre-core/core promoter genes of hepatitis B virus in chronic hepatitis C patients with occult HBV infection. *J Med Virol* 2002;68:216-220. (Correspondence author).
97. Liu CJ, Kao JH, Shau WY, Chen PJ, Lai MY, Chen DS. Naturally occurring hepatitis B surface gene variants in chronic hepatitis B virus infection: correlations with viral serotypes and clinical stages of liver disease. *J Med Virol* 2002;68:50-59.
98. Kao JH, Chen DS Recent research progress of hepatocellular carcinoma. *J Formos Med Assoc* 2002;101:239-248.
99. Kao JH, Chen DS. Global control of hepatitis B virus infection. *Lancet Infectious Dis* 2002;2:395-403.
100. Kao JH, Chen PJ, Lai MY, Chen DS. Hepatitis D viral genotypes in intravenous drug users in Taiwan: decreasing prevalence and no preference for hepatitis B viral genotypes. *J Clin Microbiol* 2002;40:3047-3049 (Correspondence author).
101. Hsueh PR, Kao JH, Teng LJ, Chen YC, Wang TK, Lin SF, Ho SW, Yang PC, Luh KT. Paratyphoid hepatitis: an emerging clinical entity. *Am J Med* 2002 15;113:257-258.
102. Kao JH, Chen PJ, Lai MY, Chen DS. Occult hepatitis B virus infection and clinical outcomes of patients with chronic hepatitis C. *J Clin Microbiol* 2002;40:4068-4071 (Correspondence author).
103. Hsu HY, Ni YH, Chen HL, Kao JH, Chang MH. TT virus infection in healthy children, children after blood transfusion, and children with non-A to E hepatitis or other liver diseases in Taiwan. *J Med Virol* 2003;69:66-71.
104. King J, Yeh SH, Lin MW, Liu CJ, Lai MY, Kao JH, Chen DS, Chen PJ. Genetic Polymorphisms in Interferon Pathway and Response to Interferon Treatment in Hepatitis B Patients: A Pilot Study. *Hepatology* 2002;36:1416-1424.
105. Liu CJ, Chen PJ, Lai MY, Kao JH, Shau WY, Chen DS. A prospective study characterizing full-length hepatitis B virus genomes during acute exacerbation. *Gastroenterology* 2003;124:80-90.
106. Kao JH, Chen W, Chen PJ, Lai MY, Chen DS. SEN virus infection in patients with chronic hepatitis C: Preferential coinfection with hepatitis C genotype 2a and no effect on response to interferon plus ribavirin therapy. *J Infect Dis* 2003;187:307-310 (Correspondence author).
107. Kao JH, Chen PJ, Lai MY, Chen DS. Basal core promoter mutations of hepatitis B virus increase the risk of hepatocellular carcinoma in hepatitis B carriers. *Gastroenterology* 2003;124:327-334 (Correspondence author).
108. Lin HH, Kao JH, Chang TC, Hsu HY, Chen DS. Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan. *J Med Virol* 2003;69:466-470.
109. Liu CJ, Chen PJ, Lai MY, Kao JH, Jen YM, Chen DS. Combination of ribavirin and interferon is effective for hepatitis C clearance in hepatitis B and C dually infected patients. *Hepatology* 2003;37:568-576.
110. Liu CJ, Chen PJ, Shau WY, Kao JH, Lai MY, Chen DS. Clinical aspects and outcomes of volunteer blood donors with hepatitis C virus infection in Taiwan: a prospective study. *Liver International* 2003;23:148-55.
111. Tai TY, Lu JY, Chen CL, Lai MY, Chen PJ, Kao JH, Lee CZ, Lee HS, Chuang LM, Jeng YM. Interferon-alpha reduces insulin resistance and beta-cell secretion in responders among patients with chronic hepatitis B and C. *J Endocrinol* 2003;178:457-465.

112. Liu CJ, Kao JH, Chen DS. Molecular assays for hepatitis B virus infection. *Hepatology* 2003;38:1311. (Correspondence author).
113. Kao JH, Chen DS. Clinical relevance of hepatitis B virus genotypes Ba and Bj in Taiwan. *Gastroenterology* 2003;125:1916-1917 (Correspondence author).
114. Kao JH. Hepatitis B virus genotypes and hepatocellular carcinoma in Taiwan. *Intervirology* 2003; 2003;46:400-407. (Correspondence author).
115. Yang SS, Lai MY, Chen DS, Chen GH, Kao JH. Mutations in the NS5A and E2-PePHD regions of hepatitis C virus genotype 1b and response to combination therapy of interferon plus ribavirin. *Liver Int* 2003;23:426-433. (Correspondence author).
116. Chen JD, Liu CJ, Lee PH, Chen PJ, Lai MY, Kao JH, Chen DS. Hepatitis B genotypes correlate with tumor recurrence after curative resection of hepatocellular carcinoma. *Clin Gastroenterol Hepatol* 2004;2:64-71 (Correspondence author).
117. Kao JH, Chen PJ, Lai MY, Chen DS. Hepatitis B virus genotypes and spontaneous hepatitis B e antigen seroconversion in Taiwanese hepatitis B carriers. *J Med Virol* 2004;72:363-369 (Correspondence author).
118. Kao JH, Chen DS. Hepatitis B virus genotypes and core promoter variant. *Gastroenterology* 2004;126:633 (Correspondence author).
119. Liu CJ, Kao JH, Chen PJ, Lai MY, Chen DS. Precore/core promoter mutations and genotypes of hepatitis B virus in chronic hepatitis B patients with fulminant or subfulminant hepatitis. *J Med Virol* 2004;72:545-550 (Correspondence author).
120. Lin CL, Liao LY, Wang CS, Chen PJ, Lai MY, Chen DS, Kao JH. Evolution of hepatitis B virus precore/basal core promoter gene in HBeAg-positive chronic hepatitis B patients receiving lamivudine therapy. *Liver Int* 2004;24:9-15 (Correspondence author).
121. Chen BF, Kao JH, Chen DS, Chen PJ. Genotypic dominance and novel recombinations in HBV genotype B and C co-infected intravenous drug users. *J Med Virol* 2004;73:13-22.
122. Liu CJ, Huang WL, Chen PJ, Lai MY, Kao JH, Chen DS. End-of-treatment virologic response does not predict relapse after lamivudine treatment for HBeAg-negative chronic hepatitis B. *World J Gastroenterol* 2004;10:3574-3578 (Correspondence author).
123. Liu CJ, Kao JH, Wang HY, Lai MY, Chen TC, Chen PJ, Chen DS. Origin of serum hepatitis B virus in acute exacerbation: comparison with HBV in the liver and from other exacerbation. *Hepatology* 2004;40:310-317.
124. Yeh SH, Kao JH, Chen PJ. Heterogeneity of hereditary persistence of alpha-fetoprotein. *Gastroenterology* 2004;127:687.
125. Liu CJ, Chen PJ, Lai MY, Kao JH, Chen DS. Evolution of precore/core promoter mutations in hepatitis B carriers with hepatitis B e antigen seroreversion. *J Med Virol* 2004;74:237-245 (correspondence author).
126. Lin CL, Liao LY, Wang CS, Chen PJ, Lai MY, Chen DS, Kao JH. Gender-related correlation between basal core promoter variant of hepatitis B virus and progression of liver disease in HBeAg negative chronic hepatitis B. *Liver Int* (Correspondence author) (in press).
127. Yeh SH, Tsai CY, Kao JH, Liu CJ, Kuo TJ, Lin MW, Huang WL, Jih J, Chen DS, Chen PJ. Combined real-time PCR quantification and signature single nucleotide polymorphism genotyping of hepatitis B virus in one-tube reaction. *J Hepatol* 2004;41:659-666.
128. Chen BF, Chen PJ, Jow GM, Sablon E, Liu CJ, Chen DS, Kao JH. High prevalence of mixed genotype infections in hepatitis B virus infected intravenous drug users. *J Med Virol* 2004;74:536-542 (Correspondence author).
129. Liu CJ, Chen PJ, Lai MY, Chen TC, Huang WL, Kao JH, Chen DS. Lack of Interferon Sensitivity-Determining Region in the Genome of Hepatitis B Virus Genotype Ba. *Antiviral Therapy* 2004;9:895-903 (Correspondence author).

130. Ni YH, Chang MH, Wang KJ, Hsu HY, Chen HL, Kao JH, Tsai KS, Chen DS. Clinical relevance of hepatitis B virus genotype in children with chronic infection and hepatocellular carcinoma. *Gastroenterology* 2004;127:1733-1738.
131. Kao JH, Chen DS. HBV genotypes and outcome of HBV infection. *Hepatology* 2004;41:216.
132. Peng YS, Chiang CK, Hsu SP, Pai MF, Hung KY, Kao JH. Influence of hepatitis C virus infection on soluble cellular adhesion molecules in hemodialysis patients. *Blood Purif* 2005;23:106-112.
133. Mah YH, Kao JH, Liu CJ, Chen CL, Chen PJ, Lai MY, Chen DS. Prevalence and clinical implications of HFE gene mutations (C282Y and H63D) in patients with chronic hepatitis B and C in Taiwan. *Liver Int* 2005;25:214-219.
134. Liaw YF, Leung N, Guan R, Lau GKK, Merican I, McCaughan G, Gane E, Kao JH, Omata M for the Asian-Pacific consensus update working party on chronic hepatitis B. Asian-Pacific consensus statement on the management of chronic hepatitis B: a 2005 update. *Liver International* 2005;25:472-489.
135. Lin CL, Liao LY, Wang CS, Chen PJ, Lai MY, Chen DS, Kao JH. Basal core-promoter mutant of hepatitis B virus and progression of liver disease in hepatitis B e antigen-negative chronic hepatitis B. *Liver International* 2005;25:564-570 (Correspondence author).
136. Hsieh TH, Kao JH, Lai MY, Chen PJ, Chen DS. Successful treatment of peginterferon and ribavirin in a patients with acute hepatitis C evolving into chronicity. *J Formosan Med Assoc* 2005;104:354-8 (Correspondence author).
137. Huang GT, Lee PH, Lai MY, Yang PM, Hu RH, Chen PJ, Kao JH, Sheu JC, Tsang YM, Lee CZ, Chen DS. Percutaneous ethanol injection therapy versus surgical resection for the treatment of small hepatocellular carcinoma: a prospective study. *Ann Surg* 2005;242:36-42.
138. Yu MW, Yeh SH, Chen PJ, Liaw YF, Lin CL, Liu CJ, Shih WL, Kao JH, Chen DS, Chen CJ. Hepatitis B virus genotype and DNA level and hepatocellular carcinoma: a prospective study in men. *J Natl Cancer Inst* 2005; 97: 265-272.
139. Liu CJ, Jeng YM, Chen PJ, Lai MY, Yang HC, Huang WL, Kao JH, Chen DS. Influence of metabolic syndrome, viral genotype and antiviral therapy on superimposed fatty liver disease in chronic hepatitis C. *Antiviral Therapy* 2005;10:405-415 (Correspondence author).
140. Liu CJ, Chen PJ, Jeng YM, Huang WL, Yang WS, Lai MY, Kao JH, Chen DS. Serum adiponectin correlates with viral characteristics but not histologic features in patients with chronic hepatitis C. *J Hepatol* 2005;43:235-242 (Correspondence author).
141. Lu JY, Chuang LM, Yang WS, Tai TY, Lai MY, Chen PJ, Kao JH, Lee CZ, Lee HS. Adiponectin levels among patients with chronic hepatitis B and C infections and in response to IFN-alpha therapy. *Liver Int.* 2005;25:752-759.
142. Chen HW, Su DH, Jou TS, Kao JH. Effects of diabetes on the ED presentation of acute intermittent porphyria. *American Journal of Emergency Medicine* 2005;23:571-572 (Correspondence author).
143. Kao JH, Chen DS. Changing disease burden of hepatocellular carcinoma in the Far East and Southeast Asia. *Liver International* 2005;25:696-703.
144. Liu CJ, Kao JH. Subgenotypes of hepatitis B virus genotype C in Taiwan. *J Infect Dis* 2005;192:1308-1309 (Correspondence author).
145. Kao JH, Chen DS. Hepatitis B vaccination: to boost or not to boost? *Lancet.* 2005;366:1337-8.
146. Lin CL, Kao JH, Chen BF, Chen PJ, Lai MY, Chen DS. Application of HBV genotyping and phylogenetic analysis in intrafamilial transmission of Hepatitis B. *Clinical Infectious Diseases* 2005;41:1576-81 (shared first authorship).
147. Wang JL, Kao JH, Tseng SP, Teng LJ, Ho SW, Hsueh PR. Typhoid fever and typhoid hepatitis in Taiwan. *Epidemiol Infect.* 2005;133:1073-9.

148. Yang CY, Kao JH, Liu KL, Chen SJ. Medical treatment of fish bone-related liver abscess. *Clin Infect Dis* 2005;41:1689-1690.
149. Liu CJ, Kao JH, Chen DS. Therapeutic implications of hepatitis B virus genotypes. *Liver International* 2005; 25: 1097-1107 (Correspondence author).
150. Chen BF, Liu CJ, Jow GM, Chen PJ, Kao JH, Chen DS. Evolution of Hepatitis B virus in an acute hepatitis B patient co-infected with genotypes B and C. *J Gen Virol* 2006;87:39-49 (Correspondence author).
151. Liu CJ, Lo SC, Kao JH, Tseng PT, Lai MY, Ni YH, Yeh SH, Chen PJ, Chen DS. Transmission of occult hepatitis B virus by transfusion to adult and pediatric recipients in Taiwan. *J Hepatol* 2006;44:39-46.
152. Liu CJ, Kao JH. Pegylated interferons for the treatment of chronic hepatitis B. *Recent Patents on Anti-Infective Drug Discovery* 2006;1:85-94 (Correspondence author).
153. Liu CJ, Kao JH, Chen DS. Clinical significance of occult hepatitis B virus infection cannot be overlooked. *Clinical Infectious Diseases* 2006;42:583-584 (Correspondence author).
154. Kao JH, Chen DS. Local ablation vs. resection for the treatment of hepatocellular carcinoma. *Hepatology* 2006;43:373 (Correspondence author).
155. Kao JH, Chen DS. HBV genotypes: epidemiology and implications regarding natural history. *Current Hepatitis Report* 2006;5:5-13.
156. Liu CJ, Lai MY, Chao YC, Liao LY, Yang SS, Hsiao TJ, Hsieh TY, Lin CL, Hu JT, Chen CL, Chen PJ, Kao JH, Chen DS. Interferon 2b with and without ribavirin for hepatitis B e antigen-positive chronic hepatitis B: A randomized study. *Hepatology* 2006;43:742-749.
157. Liu CJ, Chen BF, Chen PJ, Lai MY, Huang WL, Kao JH, Chen DS. Role of hepatitis B viral load and core promoter mutation on hepatocellular carcinoma in hepatitis B carriers. *J Infect Dis* 2006;193:1258-1265 (Correspondence author).
158. Liu CH, Chen BF, Chen SC, Lai MY, Kao JH, Chen DS. Selective transmission of hepatitis C virus quasispecies in acute resolving hepatitis through a needlestick accident. *Clinical Infectious Diseases* 2006;42:1254-1259 (Correspondence author).
159. Chen BF, Liu CJ, Jow GM, Chen PJ, Kao JH, Chen DS. Higher prevalence and mapping of pre-S deletion in chronic hepatitis B virus carriers with cirrhosis and hepatocellular carcinoma. *Gastroenterology* 2006;130:1153-1168 (Correspondence author).
160. Lin HH, Wu WY, Kao JH, Chen DS. Hepatitis B postpartum e antigen clearance in hepatitis B carrier mothers correlated with viral characteristics. *J Gastroenterol Hepatol* 2006;21:605-9.
161. Huang YW, Lin CL, Chen PJ, Lai MY, Kao JH, Chen DS. Higher cutoff index value of immunoglobulin M antibody to hepatitis B core antigen in Taiwanese patients with hepatitis B. *J Gastroenterol Hepatol* 2006 May;21(5):859-62 (Correspondence author).

(2) Review Articles:

1. Kao JH, Chen DS. GB virus-C/hepatitis G virus infection in Taiwan: a virus that fails to cause a disease? *J Biomed Sci* 1999;6:220-225.
2. Kao JH, Heptonstall J, Chen DS. Molecular methods for hepatitis B virus, hepatitis C virus and human immunodeficiency virus infection: Implications for occupational health practice. *Occupational and Environmental Medicine* 1999;56:730-734.
3. Kao JH, Chen DS. Transmission of hepatitis C in Asia: past and present perspectives. *J Gastroenterol Hepatol* 2000;15:E91-96.
4. Kao JH, Chen DS. Recent updates in hepatitis vaccination and the prevention of hepatocellular carcinoma *Int J Cancer* 2002;97:269-271.
5. Kao JH, Chen DS. Recent research progress of hepatocellular carcinoma. *J Formos Med Assoc* 2002;101:239-248.

6. Kao JH, Chen DS. Global control of hepatitis B virus infection. *Lancet Infect Dis* 2002;2:395-403.
7. Kao JH. Hepatitis B viral genotypes: clinical relevance and molecular characteristics. *J Gastroenterol Hepatol* 2002;17:643-650. (Correspondence author).
8. Kao JH. Hepatitis B virus genotypes and hepatocellular carcinoma in Taiwan. *Intervirology* 2003; 2003;46:400-407. (Correspondence author).
9. Liaw YF, Leung N, Guan R, Lau GKK, Merican I, McCaughan G, Gane E, Kao JH, Omata M for the Asian-Pacific consensus update working party on chronic hepatitis B. Asian-Pacific consensus statement on the management of chronic hepatitis B: a 2005 update. *Liver International* 2005;25:472-489.
10. Kao JH, Chen DS. Changing disease burden of hepatocellular carcinoma in the Far East and Southeast Asia. *Liver International* 2005;25:696-703.
11. Liu CJ, Kao JH, Chen DS, Therapeutic implications of hepatitis B virus genotypes. *Liver International* 2005; 25: 1097-1107 (Correspondence author).
12. Liu CJ, Kao JH. Pegylated interferons for the treatment of chronic hepatitis B. *Recent Patents on Anti-Infective Drug Discovery*. 2006;1:85-94 (Correspondence author).
13. Kao JH, Chen DS. HBV genotypes: epidemiology and implications regarding natural history. *Current Hepatitis Report* 2006;5:5-13.

(3) Book chapters:

1. Kao JH, Chen DS. Hepatocellular Carcinoma in Taiwan: Progress in the Past Decade (1988-1997). In: Leong ASY, Liew CT, Lau JWY, Johnson PJ, eds. *Hepatocellular carcinoma: contemporary diagnosis, investigation and management*. London: Arnold, 1999. (ISBN 0-340-74096-5), pp 235-250.
2. Kao JH, Chen DS. Overview of Hepatitis B and C Viruses. In: *Infectious Causes of Cancer: Targets for Intervention*. Ed. Goedert JJ. Totowa: Humana Press Inc.; 2000 (ISBN: 089603772X), pp 313-330.
3. Kao JH, Chen DS. The Natural History of HBV Infection. In: *Hepatitis B Virus*. Ed. Lai CL and Locarnini S. London: International Medical Press; 2002 (ISBN: 1-901769-08-9), pp 161-172.