



## **Cirriculum Vitae**

**Name: Ki-Baik Hahm, MD, PhD, AGAF**

### **Professor and Director**

CHA University Cancer Prevention Research Center  
605 Yeoksam-dong, Gangnam-gu, Seoul 135-081, Korea

### **Professor, Department of Gastroenterology**

CHA University Medical Center Bundang Hospital  
59 Yatap-ro, Bundang-gu, Seongnam city 463-712, Korea

### **Education**

- 1977-1983      Medical Degree (MD)  
                    Yonsei University College of Medicine, Seoul
- 1984-1986      Master of Medicine (Field of Internal Medicine)  
                    The Graduate School, Yonsei University, Seoul
- 1986-1992      Doctor of Philosophy (Ph.D) (Field of Gastroenterology)  
                    The Graduate School, Yonsei University, Seoul
- 1997-1999      Post-Doc and Research Associate  
                    Lab of Cell regulation and Carcinogenesis, NCI, NIH, Bethesda, USA
- 2006-present    American Gastroenterology Association Fellow (AGAF) nomination

### **Medical Certification**

- 1983      Licensure in Medicine (License No. 25462)
- 1987      Diplomate, Korean Board of Internal Medicine (License No. 2358)
- 1994      Subspecialty Board of Gastroenterology (Certificate No198) & Gastrointestinal  
            Endoscopy (Certificate No. 94-197)

## **Appointments**

- 1983-1984 Internship, Severance Hospital, Yonsei University, Seoul
- 1984-1987 Resident in Internal Medicine  
Severance Hospital, Yonsei University, Seoul
- 1990-1992 Fellow in the field of Gastroenterology  
Severance Hospital, Department of Internal Medicine
- 1992-1994 Instructor of Medicine at Severance Hospital, Department of Internal  
Medicine, Yonsei University, College of Medicine, Seoul
- 1994-1997 Assistant Professor of Medicine  
Ajou University School of Medicine, Suwon
- 1997-1999 Research Fellow & Associate  
Laboratory of Cell Regulation and Carcinogenesis,  
National Cancer Institute, Bethesda, MD
- 1999-2003 Associate Professor of Medicine  
Ajou University School of Medicine, Suwon
- 2003-2006 Professor of Medicine at Ajou University School of Medicine
- 2001-2006 Director, Genomic Research Center for Gastroenterology
- 1999-present Vice President/ Director, Financial Committee  
The Korean Society for Free Radical Research
- 2005-2006 Programe Manager (PM) in the field of Clinical Medicine  
The Korea Research Foundation (KRF)
- 2004-2009 Vice President/Auditor, The Korean Society of Cancer Prevention
- 2007-2008 Director, Digestive Disease Center, DMC
- 2007-2008 Director, DMC-Mecox Biomedicine Research Center, DMC
- 2009 - 2012 Professor, Gachon Graduate School of Medicine  
Professor, Lee Gil Ya Cancer and Diabetes Institute, Gachon University  
Director, Regional Cancer Center and Cancer Research Center
2012. 9 - present  
Professor, CHA University College of Medicine  
Director, CHA Cancer Prevention Research Center  
Vice director, CHA Medical Center Bundang Hospital

## **Research Field**

Basic: Mucosal damage and repair, Carcinogenesis

Clinic: Gastroenterology and GI Endoscopy (diagnostic)

### Publication Lists, International peer review journal (SCI only)

#### 2016

- 1) Lee HJ, Park JM, Han YM, Gil HK, Chang JY, Jeong M, Go EJ, Hahm KB. The role of chronic inflammation in the development of gastrointestinal cancers; reviewing cancer prevention with natural anti-inflammatory intervention. *Expert Rev Gastroenterol Hepatol* 2016;10:129-139.

#### 2015

- 2) Ryu EK, Kim TH, Jang EJ, Choi YS, Kim ST, **Hahm KB**, Lee HJ. Wogonin, a plant flavone from *Scutellariae radix*, attenuated ovalbumin-induced airway inflammation in mouse model of asthma via the suppression of IL-4/STAT6 signaling. *J Clin Biochem Nutr.* 2015 Sep;57(2):105-12. Epub 2015 Jul
- 3) Kangwan N, Kim YJ, Han YM, Jeong M, Park JM, **Hahm KB**. Concerted actions of ameliorated colitis, aberrant crypt foci inhibition, and 15-hydroxyprostaglandin dehydrogenase induction by sonic hedgehog inhibitor led to prevention of colitis-associated cancer. *Int J Cancer.* 2015 Oct 17.
- 4) Jeong M, Park JM, Han YM, Park KY, Lee DH, Yoo JH, Cho JY, **Hahm KB**. Dietary prevention of *Helicobacter pylori*-associated gastric cancer with kimchi. *Oncotarget.* 2015 Oct 6;6(30):29513-26. doi: 10.18632/oncotarget.4897.
- 5) Nguyen TT, Kim SJ, Park JM, **Hahm KB**, Lee HJ. Repressed TGF- $\beta$  signaling through CagA-Smad3 interaction as pathogenic mechanisms of *Helicobacter pylori*-associated gastritis. *J Clin Biochem Nutr.* 2015 Sep;57(2):113-20. Epub 2015 Jul 30.
- 6) Han YM, Park JM, Jeong M, Yoo JH, Kim WH, Shin SP, Ko WJ, **Hahm KB**. Dietary, non-microbial intervention to prevent *Helicobacter pylori*-associated gastric diseases. *Ann Transl Med.* 2015 Jun;3(9):122.
- 7) Park JM, Han YM, Jeong M, Kim EH, Ko WJ, Cho JY, **Hahm KB**. Omega-3 polyunsaturated fatty acids as an angelus custos to rescue patients from NSAID-induced gastroduodenal damage. *J Gastroenterol.* 2015 Jun;50(6):614-25. Epub 2015 Jan 13.

- 8) Han YM, Park JM, Kangwan N, Jeong M, Lee S, Cho JY, Ko WJ, **Hahm KB**. Role of proton pump inhibitors in preventing hypergastrinemia-associated carcinogenesis and in antagonizing the trophic effect of gastrin. *J Physiol Pharmacol*. 2015 Apr;66(2):159-67.
- 9) Jeong M, Park JM, Han YM, Kangwan N, Kwon SO, Kim BN, Kim WH, **Hahm KB**. Dietary Intervention of Artemisia and Green Tea Extracts to Rejuvenate Helicobacter pylori-Associated Chronic Atrophic Gastritis and to Prevent Tumorigenesis. *Helicobacter*. 2015 Apr 10.
- 10) Park JM, Kim JW, **Hahm KB**. HSPA4, the "Evil Chaperone" of the HSP Family, Delays Gastric Ulcer Healing. *Dig Dis Sci*. 2015 Apr;60(4):824-6. Epub 2015 Mar 3.
- 11) Kwon CI, Kim G, Ko KH, Jung Y, Chung IK, Jeong S, Lee DH, Hong SP, **Hahm KB**. Bio-sheet graft therapy for artificial gastric ulcer after endoscopic submucosal dissection: an animal feasibility study. *Gastrointest Endosc*. 2015 Apr;81(4):989-96.. Epub 2014 Dec 5.
- 12) Park JM, Han YM, Lee JS, Ko KH, Hong SP, Kim EH, **Hahm KB**. Nrf2-mediated mucoprotective and anti-inflammatory actions of Artemisia extracts led to attenuate stress related mucosal damages. *J Clin Biochem Nutr*. 2015 Mar;56(2):132-42. Epub 2014 Nov 28.
- 13) Song GW, Ko WJ, Kim WH, **Hahm KB**, Hong SP, Cho JY. Peroral endoscopic myotomy for esophageal muscular ring. *Endoscopy*. 2015;47 Suppl 1 UCTN:E387-8. Epub 2015 Aug 14.
- 14) Fukudo S, **Hahm KB**, Zhu Q, Sollano JD, Rani AA, Syam AF, Kachintorn U, Suzuki H, Kamiya T, Joh T, Uchiyama K, Naito Y, Takahashi S, Kinoshita Y, Ueno F, Yamagami H, Chan FK, Fock KM, Arakawa T; International Gastrointestinal Consensus Symposium Study Group. Survey of clinical practice for irritable bowel syndrome in East asian countries. *Digestion*. 2015;91(1):99-109 Epub 2015 Jan 20.
- 15) Park JM, Jeong M, Kim EH, Han YM, Kwon SH, **Hahm KB**. Omega-3 Polyunsaturated Fatty Acids Intake to Regulate Helicobacter pylori-Associated Gastric Diseases as Nonantimicrobial Dietary Approach. *Biomed Res Int*. 2015;2015:712363. Epub 2015 Aug 3
- 16) Kangwan N, Kim YJ, Han YM, Jeong M, Park JM, Go EJ, Hahm KB. Sonic hedgehog inhibitors prevent colitis-associated cancer via orchestrated mechanisms of IL-6/gp130 inhibition, 15-PGDH induction, and Bcl-2 abrogation, and tumorsphere inhibition.

Oncotarget 2015; Dec 26, 2015

- 17) Park JM, Lee HJ, Yoo JH, Ko WJ, Cho JY, Hahm KB. Overview of gastrointestinal cancer prevention in Asia. *Best Pract Res Clin Gastroenterol* 2015;29:855-867.
- 18) Han YM, Park JM, Cha JY, Jeong M, Go EJ, Hahm KB. Endogenous conversion of w-6 to w-3 polyunsaturated fatty acids in fat-1 transgenic mice attenuated intestinal polyposis by either inhibiting COX-2/b-carotein signaling or activating 15-PGDH. *IL-18. Int J Cancer* 2015; Dec 9.
- 19) Ko WJ, Song GW, Hong SP, Kwon CI, Hahm KB, Cho CY. Novel 3-D printing technique for caps to enable tailored therapeutic endoscopy. *Dig Endosc* 2015; Sep 7.
- 20) Ryu EK, Kim TH, Jang EJ, Choi YS, Kim ST, Hahm KB, Lee HJ. Wogonin, a plant flavones from *S. radix*, attenuated ovalbimun-induced airway inflammation in mouse model of asthma via the suppression of IL-4/STAT6 signaling. *J Clin Biochem Nutr* 2015; 57:105-12.
- 21) Nguyen TT, Kim SJ, Park JM, Hahm KB, Lee HJ. Repressed TGF-b signaling through Cag-A-smad3 interaction as pathogenic mechanisms of Helicoabcter pylori-associated gastritis. *J Clin Biochem Nutr* 2015;57:113-20.
- 22) Park JS, Yi TG, Park JM, Han YM, Shin DH, Tak SJ, Lee K, Jeon MS, Hahm KB, Song SU, Park SH. Therapeutic effects of mouse bone marrow-derived clonal mesenchymal stem cells in a mouse model of inflammatory bowel disease. *J Clin Biochem Nutr* 2015;57:192-203.

## 2014

- 1) Park JM, Han YM, Kangwan N, Lee SY, Jung MK, Kim EH, **Hahm KB**. S-allyl cysteine alleviates nonsteroidal anti-inflammatory drug-induced gastric mucosal damages by increasing cyclooxygenase-2 inhibition, heme oxygenase-1 induction, and histone deacetylation inhibition. *J Gastroenterol Hepatol*. 2014 Dec;29 Suppl 4:80-92.
- 2) Kangwan N, Park JM, **Hahm KB**. Development of GI-safe NSAID; progression from the bark of willow tree to modern pharmacology. *Curr Opin Pharmacol*. 2014 Dec;19:17-23.
- 3) Park JM, Han NY, Han YM, Chung MK, Lee HK, Ko KH, Kim EH, **Hahm KB**. Predictive proteomic biomarkers for inflammatory bowel disease-associated cancer: where are we now in the era of the next generation proteomics? *World J Gastroenterol*. 2014 Oct 7;20(37):13466-2476.
- 4) Park JM, Lee S, Chung MK, Kwon SH, Kim EH, Ko KH, Kwon CI, **Hahm KB**.

Antioxidative phytoceuticals to ameliorate pancreatitis in animal models: an answer from nature. *World J Gastroenterol*. 2014 Nov 28;20(44):16570-81.

- 5) Park JM, Park SH, Hong KS, Han YM, Jang SH, Kim EH, **Hahm KB**. Special licorice extracts containing lowered glycyrrhizin and enhanced licochalcone A prevented *Helicobacter pylori*-initiated, salt diet-promoted gastric tumorigenesis. *Helicobacter*. 2014 Jun;19(3):221-36. Epub 2014 Mar 20.
- 6) Kim YH, Kim G, Kwon CI, Kim JW, Park PW, **Hahm KB**. TWIST1 and SNAI1 as markers of poor prognosis in human colorectal cancer are associated with the expression of ALDH1 and TGF- $\beta$ 1. *Oncol Rep*. 2014 Mar;31(3):1380-8. Epub 2014 Jan 8.
- 7) Han YM, **Hahm KB**, Park JM, Hong SP, Kim EH. Paradoxically augmented anti-tumorigenic action of proton pump inhibitor and Gastrin/APCMin/+ intestinal polyposis model. *Neoplasia*. 2014 Jan;16(1):73-83.

## 2013

- 1) Hong H, Kim EH, Lee HJ, Kim YJ, Lee JJ, **Hahm KB**. Molecular mechanisms elucidating why old stomach is more vulnerable to indomethacin-induced damage than young stomach. *Dig Dis Sci*. 2013 Jan;58(1):61-71. Epub 2012 Jul 29.
- 2) Han NY, Choi W, Park JM, Kim EH, Lee H, **Hahm KB**. Label-free quantification for discovering novel biomarkers in the diagnosis and assessment of disease activity in inflammatory bowel disease. *J Dig Dis*. 2013 Apr;14(4):166-74.
- 3) Chun KS, Kim EH, Lee S, **Hahm KB**. Chemoprevention of gastrointestinal cancer: the reality and the dream. *Gut Liver*. 2013 Mar;7(2):137-49.
- 4) Kim WH, **Hahm KB**. Endoscopically diagnosed gastric cancers: looking alike, but behave differently. *Clin Endosc*. 2013 Mar;46(2):111-2. Epub 2013 Mar 31.
- 5) Choi KS, Song H, Kim EH, Choi JH, Hong H, Han YM, **Hahm KB**. Inhibition of Hydrogen Sulfide-induced Angiogenesis and Inflammation in Vascular Endothelial Cells: Potential Mechanisms of Gastric Cancer Prevention by Korean Red Ginseng. *J Ginseng Res*. 2012 Apr;36(2):135-45.
- 6) Park SH, Hong H, Han YM, Kangwan N, Kim SJ, Kim EH, **Hahm KB**. Nonsteroidal anti-inflammatory drugs (NSAID) sparing effects of glucosamine hydrochloride through N-glycosylation inhibition; strategy to rescue stomach from NSAID damage. *J Physiol Pharmacol*. 2013 Apr;64(2):157-65.

- 7) Kwon KA, Choi IJ, Kim EY, Dong SH, **Hahm KB**. Highlights of the 48th seminar of korean society of gastrointestinal endoscopy. Clin Endosc. 2013 May;46(3):203-11Epub 2013 May 31.
- 8) Kim WH, Park PW, **Hahm KB**, Hong SP. Endoscopic treatment of refractory gastroesophageal reflux disease. Clin Endosc. 2013 May;46(3):230-4. Epub 2013 May 31.
- 9) Kwon CI, Song SH, **Hahm KB**, Ko KH. Unusual complications related to endoscopic retrograde cholangiopancreatography and its endoscopic treatment. Clin Endosc. 2013 May;46(3):251-9. Epub 2013 May 31.
- 10) Yo I, Chung JW, Jeong MH, Lee JJ, An J, Kwon KA, Rim MY, **Hahm KB**. .Huge liposarcoma of esophagus resected by endoscopic submucosal dissection: case report with video. Clin Endosc. 2013 May;46(3):297-300. Epub 2013 May 31.
- 11) Park JM, Kim YJ, Kim JS, Han YM, Kangwan N, **Hahm KB**, Kim TS, Kwon O, Kim EH. Anti-inflammatory and carbonic anhydrase restoring actions of yam powder (*Dioscorea* spp) contribute to the prevention of cysteamine-induced duodenal ulcer in a rat model. Nutr Res. 2013 Aug;33(8):677-85. Epub 2013 Jul 8.
- 12) Ko KH, **Hahm KB**. Harmony of Duet over Solo: Use of Midazolam or Propofol for Sedative Endoscopy in Pediatric Patients. Clin Endosc. 2013 Jul;46(4):311-2. Epub 2013 Jul 31.
- 13) Han YM, Park JM, Park SH, **Hahm KB**, Hong SP, Kim EH. Gastrin promotes intestinal polyposis through cholecystokinin-B receptor-mediated proliferative signaling and fostering tumor microenvironment. J Physiol Pharmacol. 2013 Aug;64(4):429-37.
- 14) Kwon KA, Choi IJ, Kim EY, Dong SH, **Hahm KB**. Highlights of international digestive endoscopy network 2013. Clin Endosc. 2013 Sep;46(5):425-35. Epub 2013 Sep 30.
- 15) Kwon CI, Ko KH, **Hahm KB**, Kang DH. Functional Self-Expandable Metal Stents in Biliary Obstruction. Clin Endosc. 2013 Sep;46(5):515-521. Epub 2013 Sep 30. Review.
- 16) Song SH, Kim KW, Kim WH, Kwon CI, Ko KH, **Hahm KB**, Park PW, Hong SP. Gastrointestinal cancers in a peutz-jeghers syndrome family: a case report.. Clin Endosc. 2013 Sep;46(5):572-5. Epub 2013 Sep 30.
- 17) Cheon JH, **Hahm KB**. Perfecting video capsule endoscopy: is there need for training? Clin Endosc. 2013 Nov;46(6):599-600. Epub 2013 Nov 19.
- 18) Ko KH, Kwon CI, Park SH, Han NY, Lee HK, Kim EH, **Hahm KB**. Application of Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Imaging Mass Spectrometry (MALDI-TOF IMS) for Premalignant Gastrointestinal Lesions. Clin Endosc. 2013 Nov;46(6):611-619. Epub 2013 Nov 19. Review.

## 2012

- 1) Kim JH, Kim EH, Ock C, Hong H, Kim YJ, Kwon KA, Park DK, **Hahm KB**. Mitigating endoplasmic reticulum stress with revaprazan ameliorates stress-related mucosal disease. *J Gastroenterol Hepatol* 27:120-129, 2012
- 2) Ock C, Kim EH, Choi DJ, Lee HJ, Hahm KB, Chung MH. 8-hydroxydeoxyguanosine; not biomarker for oxidative stress, but remedy for oxidative stress-implicated GI diseases. *World J Gastroenterol* 18:302-308, 2012
- 3) Ha M, Chung JW, **Hahm KB**, Kim YJ, Lee W, An J, Kim DK, Kim MG. A case of Cowden syndrome diagnosed from multiple gastric polyposis. *World J Gastroenterol* 18:861-864, 2012
- 4) Choi KS, Kim EH, Hong H, Ock C, Lee JS, Kim JH, **Hahm KB**. Attenuation of cysteamine-induced duodenal ulcer with *Cochinchina mormordia* seed extract through inhibiting cPLA<sub>2</sub>/5-LOX and activating  $\gamma$ -GCS. *J Gastroenterol Hepatol* (in press, 2012).
- 5) Kim YJ, Kim EH, **Hahm KB**. Oxidative stress in inflammation-based gastrointestinal tract diseases; challenge and opportunities. *J Gastroenterol Hepatol* (in press, 2012)
- 6) Kim EH, Hong H, Hong KS, Choi KS, Han YM, Kangwan N, Cho YJ, **Hahm KB**. High concentrated probiotics improve inflammatory bowel diseases better than commercial concentration of probiotics. *JFDA* (in press, 2012).
- 7) Kim JH, Kim YJ, Lee JJ, Chung JW, Kwon KA, Kim JH, Hahm KB. The efficacy of self-expanding metal stents for colorectal obstruction with unresectable stage IVB colorectal cancer. *HepatoGastroenterology*. 2012 Nov-Dec;59(120):2472-6.
- 8) Kim JH, Jung ES, Jeong SH, Kim JS, Ku YS, **Hahm KB**, Kim JH, Kim YS. A case of emphysematous hepatitis with spontaneous pneumoperitoneum in a patient with hilar cholangiocarcinoma. *Korean J Hepatol*. 2012 Mar;18(1):94-7. Epub 2012 Mar 22
- 9) Ha M, Kim YJ, Kwon KA, **Hahm KB**, Kim MJ, Kim DK, Lee YJ, Oh SP. Gastric angiodysplasia in a hereditary hemorrhagic telangiectasia type 2 patient. *World J Gastroenterol*. 2012 Apr 21;18(15):1840-4.
- 10) Lee JH, An CS, Yun BS, Kang KS, Lee YA, Won SM, Gwag BJ, Cho SI, **Hahm KB**. Prevention effects of ND-07, a novel drug candidate with a potent antioxidative action and anti-inflammatory action, in animal models of severe acute pancreatitis. *Eur J Pharmacol*. 2012 Jul 15;687(1-3):28-38. Epub 2012 May 3.
- 11) Jeong MH, Chung JW, Lee SJ, Ha M, Jeong SH, Na S, Na BS, Park SK, Kim YJ, Kwon KA, Ko KI, Jo Y, **Hahm KB**, Jung HY. Comparison of rifabutin- and levofloxacin-based third-line rescue therapies for *Helicobacter pylori*. *Korean J Gastroenterol*. 2012 Jun 25;59(6):401-6. Korean.



- 12) Chung JS, Park S, Park SH, Park ER, Cha PH, Kim BY, Chung YM, Woo SR, Han CJ, Kim SB, Suh KS, Jang JJ, Lee K, Choi DW, Lee S, Lee GY, **Hahm KB**, Shin JA, Kim BS, Noh KH, Kim TW, Lee KH, Yoo YD. Overexpression of Romo1 promotes production of reactive oxygen species and invasiveness of hepatic tumor cells. *Gastroenterology*. 2012 Oct;143(4):1084-94.e7.
- 13) Hong H, Kim EH, Lee HJ, Kim YJ, Lee JJ, **Hahm KB**. Molecular mechanisms elucidating why old stomach is more vulnerable to indomethacin-induced damage than young stomach. *Dig Dis Sci*. 2013 Jan;58(1):61-71.
- 14) Naito Y, Uchiyama K, Kinoshita Y, Fukudo S, Joh T, Suzuki H, Takahashi S, Ueno F, Fujiwara Y, Arakawa T, Matsumoto T, **Hahm KB**, Kachintorn U, Syam AF, Rani AA, Sollano JD, Zhu Q. A questionnaire-based survey on screening for gastric and colorectal cancer by physicians in East Asian countries in 2010. *Digestion*. 2012;86(2):94-106
- 15) Chung JW, Jung YK, Kim YJ, Kwon KA, Kim JH, Lee JJ, Lee SM, **Hahm KB**, Lee SM, Jeong JY, Yun SC. Ten-day sequential versus triple therapy for *Helicobacter pylori* eradication: a prospective, open-label, randomized trial. *J Gastroenterol Hepatol*. 2012 Nov;27(11):1675-80.
- 16) Lee JS, Cho JY, Song H, Kim EH, **Hahm KB**. Revaprazan, a novel acid pump antagonist, exerts anti-inflammatory action against *Helicobacter pylori*-induced COX-2 expression by inactivating Akt signaling. *J Clin Biochem Nutr*. 2012 Sep;51(2):77-83.
- 17) Kwon KA, Choi IJ, Bak YT, Dong SH, **Hahm KB**. International digestive endoscopy network 2012: a patchwork of networks for the future. *Clin Endosc*. 2012 Sep;45(3):209-10. Epub 2012 Aug 22.
- 18) Kim EH, Bae JS, **Hahm KB**, Cha JY. Endogenously synthesized n-3 polyunsaturated fatty acids in fat-1 mice ameliorate high-fat diet-induced non-alcoholic fatty liver disease. *Biochem Pharmacol*. 2012 Nov 15;84(10):1359-6. Epub 2012 Sep 6.
- 19) Han NY, Kim EH, Choi J, Lee H, **Hahm KB**. Quantitative proteomic approaches in biomarker discovery of inflammatory bowel disease. *J Dig Dis*. 2012 Oct;13(10):497-503.
- 20) Lee HJ, Han YM, Kim EH, Kim YJ, **Hahm KB**. A possible involvement of Nrf2-mediated heme oxygenase-1 up-regulation in protective effect of the proton pump inhibitor pantoprazole against indomethacin-induced gastric damage in rats. *BMC Gastroenterol*. 2012 Oct 16;12:143.
- 21) Kamiya T, Joh T, Sollano JD, Zhu Q, Kachintorn U, Aziz Rani A, **Hahm KB**, Takahashi S, Kinoshita Y, Matsumoto T, Naito Y, Takeuchi K, Arakawa T, Terano A. Consensus of

the present and prospects on endoscopic diagnosis and treatment in East asian countries. *Diagn Ther Endosc.* 2012;2012:808365.

## 2011

- 1) Ock CY, Hong KS, Choi KS, Chung MH, Kim Y, Kim JH, **Hahm KB**. A novel approach for stress-induced gastritis based on paradoxical anti-oxidative and anti-inflammatory action of 8-hydroxydeoxyguanosine. *Biochem Pharmacol* 81:111-122, 2011
- 2) Chan Young Ock<sup>1</sup>, Yun Jung Lim<sup>2</sup>, Yoon Jae Kim<sup>3</sup>, Jeong Sang Lee<sup>1</sup>, Jun Weon Chung<sup>3</sup>, Dong Kyun Park<sup>3</sup>, Ju Hyun Kim<sup>3</sup> and **Ki Baik Hahm**<sup>1,3,\*</sup> The Novel Acid Pump Antagonist, Revaprazan, Protects NSAIDs-Induced Gastropathy through the Preservation of Heat Shock Protein 27, *J Dig Dis* (in press, 2011).
- 3) Ock CY, Kim EH, Hong H, Hong KS, Han YM, Choi KS, **Hahm KB**, Chung MH. Prevention of colitis-associated colorectal cancer with 8-hydroxydeoxyguanosine. *Cancer Prev Res* 4:1507-1521, 2011
- 4) Won I, Kim YJ, Kim SJ, Kim EH, **Hahm KB**. Nutrigenomic approach to tackle the unpleasant journey to *Helicobacter pylori*-associated gastric carcinogenesis. *J Dig Dis* 12:157-164, 2011
- 5) Ock CY, Lim YJ, Kim YJ, Chung JW, Kwon KA, Kim JH, **Hahm KB**. Acid pump antagonist-provoked HSP27 dephosphorylation and accentuation rescues stomach from indomethacin-induced damages. *J Dig Dis* 12:71-81, 2011.

## 2010

- 1) Jun Won Chung, **Ki Baik Hahm** Rejuvenation of atrophic gastritis in the elderly. *J Gastroenterol Hepatol* 25:434-435, 2010.
- 2) Yeon Suk Kim, **Ki Baik Hahm** Endotherapy of pancreaticobiliary fistula; second to none strategy for cure. *J Gastroenterol Hepatol* 25; 2010
- 3) Lee KM, Lee JS, Jung HS, Park DK, Park HS, **Hahm KB** Late reactivation of sonic hedgehog by *Helicobacter pylori* results in population of gastric epithelial cells that are resistant to apoptosis: Implication for gastric carcinogenesis. *Cancer Lett.* 287:44-53, 2010.
- 4) Kim YJ, Chung JW, Lee SJ, Choi KS, Kim JH, **Hahm KB**. Progression from chronic atrophic gastritis to gastric cancer; tangle, toggle, tackle with Korea red ginseng. *J Clin Biochem Nutr.* 2010 May;46(3):195-204. Epub 2010 Apr 10.
- 5) Ho Jae Lee<sup>1</sup>, Chan Young Ock<sup>2</sup>, Seong-Jin Kim<sup>3</sup>, **Ki-Baik Hahm**<sup>2,4</sup> Heat shock protein;

hard worker or bad offender for gastric diseases. Int J Proteomics 2010:259163 Epub, 2010

- 6) Jo Y, Han SU, Kim YJ, Kim JH, Kim ST, Kim SJ, **Hahm KB**. Suppressed Gastric Mucosal TGF-beta1 Increases Susceptibility to H. pylori-Induced Gastric Inflammation and Ulceration: A Stupid Host Defense Response. Gut Liver. 2010 Mar;4(1):43-53. Epub 2010 Mar 25.
- 7) Hong S, Lee HJ, Kim SJ, **Hahm KB**. Connection between inflammation and carcinogenesis in gastrointestinal tract: focus on TGF-beta signaling. World J Gastroenterol. 2010 May 7;16(17):2080-93.
- 8) Yoon Jae Kim<sup>a</sup>, Kyung Sook Hong<sup>b</sup>, Jun Won Chung<sup>a</sup>, Ju Hyun Kim<sup>a</sup>, Ki Baik Hahm<sup>a, b</sup>,  
\* Prevention of colitis-associated carcinogenesis with infliximab; top-down strategy for colitic cancer prevention, Cancer Prevention Research 3:1314-1333, 2010.
- 9) Yoon Jae Kim<sup>1</sup>, Jeong Sang Lee<sup>2</sup>, Kyung Sook Hong<sup>2</sup>, Jun Weon Chung<sup>1</sup>, Ju Hyun Kim<sup>1</sup>, **Ki Baik Hahm**<sup>1,2</sup> Novel application of proton pump inhibitor for the prevention of colitic cancer beyond acid suppression. Cancer Prevention Research 3:963-974, 2010
- 10) Jung Gon Kim, Yoon Jae Kim, \*Seung Hee Yoo, Jeong Sang Lee, Joon Won Chung, \*\*Min Ho Kim, **Ki-Baik Hahm**. Halimeter *ppb* levels as the predictor of erosive gastroesophageal reflux disease. Gut and Liver 4:320-325, 2010.
- 11) Chan Young Ock and **Ki-Baik Hahm**. Oxygen free radicals in gastric mucosal damages. Monograph on "Free Radical in Digestive Disease" Karger Press (2010, December)
- 12) So Jung Lee<sup>1</sup>, Ji Young Park<sup>1</sup>, Ki Seok Choi<sup>2</sup>, Chan Young Ock<sup>2</sup>, Kyung Sook Hong<sup>2</sup>, Yoon Jae Kim<sup>1</sup>, Jun Weon Chung<sup>1</sup>, and **Ki-Baik Hahm**<sup>1,2\*</sup> Efficacy of Korean Red Ginseng Supplementation on Eradication Rate and Gastric Volatile Sulfur Compound Levels after *Helicobacter pylori* Eradication Therapy. J Ginseng Res (2010, June)
- 13) Jun Weon Chung, Yoon Jae Kim, So Jung Lee, and **Ki Baik Hahm**\*Korean Red Ginseng: Qualitative and Quantitative Benefits on *Helicobacter pylori* Infection. J Ginseng Res (2010, June)

- 14) Yun Jeong Lim<sup>1</sup>, Won Gun Kwack<sup>1</sup>, Jin Ho Lee<sup>1</sup>, Youg-Sup Lee<sup>2</sup>, **Ki Baik Hahm**<sup>3</sup>, and Young-Kwon Kim<sup>1</sup>, \*Increased pulse wave velocity reflecting arterial stiffness in patients with colorectal adenomas. J Clin Biochem Nutr 47:261-265, 2010

## 2009

- 1) Lim YJ, Lee JS, Ku YS, **Hahm KB** Rescue strategies against NSAID-induced gastroduodenal damage. J Gastroenterol Hepatol 2009, 24:1169-1178, 2009.
- 2) Lee HW; **Hahm KB**; Lee JS, Ju YS; Lee KM, Lee KW. Association of the HLA class II Alleles with Chronic Atrophic Gastritis and Gastric Carcinoma in Koreans. J Dig Dis 10:265-267, 2009.
- 3) Lee JS, Kwon KA, Jung HS, Kim JH, **Hahm KB**. Korea red ginseng on *Helicobacter pylori*-induced halitosis; newer therapeutic strategy and plausible mechanism. Digestion 80:192-199, 2009.
- 4) Li CS, Zhang Q, Lee KJ, Cho SW, Lee KM, **Hahm KB**, Choi SC, Yun KJ, Chung HT, Chae SC. Interleukin 27 polymorphisms are associated with inflammatory bowel disease in a Korean population. J Gastroenterol Hepatol 24:1692-1696, 2009.
- 5) Fujiwara Y, Takahashi SI, Arakawa T, Sollano JD, Zhu Q, Kachintorn U, Rani A, **Hahm KB**, Joh T, Kinoshita Y, Matsumoto T, Naito Y, Takeuchi K, Furuta K, Terano A. 2008 Questionnaire-Based Survey of Gastroesophageal Reflux Disease and Related Diseases by Physicians in East Asian Countries. Digestion. 2009 Jul 27;80(2):119-128.
- 6) Choi SR, Lee SA, Kim YJ, Ok CY, Lee HJ, Hahm KB. Role of heat shock proteins in gastric inflammation and ulcer healing. J Physiol Pharmacol. 2009 Dec;60 Suppl 7:5-17.
- 7) Arakawa T, Fujiwara Y, Sollano JD, Zhu Q, Kachintorn U, Rani AA, **Hahm KB**, Takahashi S, Joh T, Kinoshita Y, Matsumoto T, Naito Y, Takeuchi K, Yamagami H, Agustanti N, Xiong H, Chen X, Jang EJ, Furuta K, Terano A; IGICS study group. A questionnaire-based survey on the prescription of non-steroidal anti-inflammatory drugs by physicians in East Asian countries in 2007. Digestion. 2009;79(3):177-85. Epub 2009 Apr 3.
- 8) Lee JS, Paek NS, Kwon OS, **Hahm KB**. Anti-inflammatory actions of probiotics through activating suppressor of cytokine signaling (SOCS) expression and signaling in *Helicobacter pylori* infection: a novel mechanism. J Gastroenterol Hepatol. 2010 Jan;25(1):194-202.

## 2008

- 1) Park SW, Oh TY, Kim YS, Sim H, Park SJ, Jang EJ, Park JS, Baik HW, **Hahm KB**. Artemisia asiatica extracts protect against ethanol-induced injury in gastric mucosa of rats. J Gastroenterol Hepatol. 23(6):976-84; 2008.
- 2) Young Oh T, Ok Ahn B, Jung Jang E, Sang Park J, Jong Park S, Wook Baik H, **Hahm KB**. Accelerated Ulcer Healing and Resistance to Ulcer Recurrence with Gastroprotectants in Rat Model of Acetic Acid-induced Gastric Ulcer. J Clin Biochem Nutr. 42(3):204-14; 2008.
- 3) Lee EH, Cheong JY, Cho SW, **Hahm KB**, Kim HY, Park JJ, Lee DH, Kim SK, Choi SR, Lee ST, Moon SM. Development and psychometric evaluation of a chronic liver disease-specific quality of life questionnaire. J Gastroenterol Hepatol. 23(2):231-8; 2008
- 4) Yoo SH, HS Jung, WS Sohn, BH Kim, BH Ku, YS Kim, SW Park, **KB Hahm** Volatile Sulfur Compounds as a Predictor for Esophagogastroduodenal Mucosal Injury Gut and Liver 2:113~118, 2008
- 5) Lim YJ, Kim BH, Jung HS, **Hahm KB**. Strategy to rescue from NSAID-induced GI damages. J Gastroenterol Hepatol (invited review, in press).
- 6) Chun SC, Kim J, **Hahm KB**, Park YJ, Chun SH. Data mining technique for medical informatics: detecting gastric cancer using case-based reasoning and single nucleotide polymorphisms. Expert Systems. 25:163-172, 2008.
- 7) Kim YS, Park SW, Kim MH, Jang EJ, Park JS, Park SJ, Baik HW, Chung G, **Hahm KB**. Novel single nucleotide polymorphisms of the VEGF gene as a risk factor for gastroduodenal ulcers. J Gastroenterol Hepatol (in press, 2008).
- 8) Jang EJ, Park SW, Park JS, Park SJ, **Hahm KB**, Naik HW, Paik SY, Sin MK, Lee ES, Oh SW, Park CY. The influence of the eradication of *H. pylori* on gastric ghrelin, appetite, and body mass index in patients with peptic ulcer disease. J Gastroenterol Hepatol (in press, 2008).
- 9) Lee SY, Shin YW, **Hahm KB**. Phytoceuticals; ignored but mighty weapons against *H. pylori* infection. J Dig Dis 9:129-139, 2008.

## 2007

- 1) Park S, Yeo M, Jin JH, Lee KM, Kim SS, Choi SY, **Hahm KB**. Inhibitory activities and attenuated expressions of 5-LOX with red ginseng in *Helicobacter pylori*-infected gastric epithelial cells. Dig Dis Sci. 2007 Apr;52(4):973-82. Epub 2007 Feb 27.
- 2) Lee JS, Kim HS, **Hahm KB**, Sohn MW, Yoo M, Johnson JA, Surh YJ. Inhibitory effects of 7-carboxymethoxy-3',4',5-trimethoxyflavone (DA-6034) on *Helicobacter*

*pylori*-induced NF-kappa B activation and iNOS expression in AGS cells. *Ann N Y Acad Sci.* 2007 Jan;1095:527-35.

- 3) Park S, Han SU, Lee KM, Park KH, Cho SW, **Hahm KB**. 5-LOX inhibitor modulates the inflammatory responses provoked by *Helicobacter pylori* infection *Helicobacter.* 2007 Feb;12(1):49-58.
- 4) Kim BG, Lee DH, Ye BD, Lee KH, Kim BW, Kim SG, Kim SW, Kim SK, Kim JJ, Kim HY, Park JJ, Park CY, Baik GH, Lee YC, Lee JH, Lee JH, Chun HJ, **Hahm KB**, Hong SJ, Lee SW, Jung HC. Comparison of 7-day and 14-day proton pump inhibitor-containing triple therapy for *Helicobacter pylori* eradication: neither treatment duration provides acceptable eradication rate in Korea. *Helicobacter.* 2007 Feb;12(1):31-5.

## 2006

- 1) Cheong JY, Cho SW, Hwang IL, Yoon SK, Lee JH, Park CS, Lee JE, **Hahm KB**, Kim JH. Association between chronic hepatitis B virus infection and interleukin-10, tumor necrosis factor-alpha gene promoter polymorphisms. *J Gastroenterol Hepatol.* 2006 Jul;21(7):1163-9
- 2) Lee JH, Kim JJ, **Hahm KB**, Lee DH, Kim N, Kim SK, Park JJ, Choi SR, Lee JH, Lee ST, Lee EH, Rhee JC. Efficacy and safety of ecabet sodium on functional dyspepsia: a prospective, double-blinded, randomized, multi-center controlled trial. *World J Gastroenterol.* 2006 May 7;12(17):2756-61
- 3) Lee EH, **Hahm KB**, Lee JH, Park JJ, Lee DH, Kim SK, Choi SR, Lee ST. Development and validation of a functional dyspepsia-related quality of life (FD-QOL) scale in South Korea. *J Gastroenterol Hepatol.* 2006 Jan;21(1 Pt 2):268-74.
- 4) Yeo M, Kim DK, Park HJ, Oh TY, Kim JH, Cho SW, Paik YK, **Hahm KB**. Loss of transgelin in repeated bouts of ulcerative colitis-induced colon carcinogenesis. *Proteomics.* 2006 Feb;6(4):1158-65.
- 5) Yeo M, Kim DK, Han SU, Lee JE, Kim YB, Cho YK, Kim JH, Cho SW, **Hahm KB**. Novel action of gastric proton pump inhibitor on suppression of *Helicobacter pylori* induced angiogenesis. *Gut.* 2006 Jan;55(1):26-33.
- 6) Cheong JY, Cho SW, Chung SG, Lee JA, Yeo M, Wang HJ, Lee JE, **Hahm KB**, Kim JH. Genetic polymorphism of interferon-gamma, interferon-gamma receptor, and interferon regulatory factor-1 genes in patients with hepatitis B virus infection. *Biochem Genet.* 2006 Jun;44(5-6):246-55. Epub 2006 Aug 30.

## 2005

- 1) Park S, Yeo M, Jin JH, Lee KM, Jung JY, Choue R, Cho SW, **Hahm KB**. Rescue of *Helicobacter pylori*-induced cytotoxicity by red ginseng. Dig Dis Sci. 2005 Jul;50(7):1218-27.
- 2) Lee JS, Oh TY, Kim YK, Baik JH, So S, **Hahm KB**, Surh YJ. Protective effects of green tea polyphenol extracts against ethanol-induced gastric mucosal damages in rats: Stress-responsive transcription factors and MAP kinases as potential targets. Mutat Res. 2005 Aug 8; [Epub ahead of print]
- 3) Young Oh T, Yeo M, Uk Han S, Kwan Cho Y, Bae Kim Y, Hee Chung M, Seok Kim Y, Won Cho S, **Hahm KB**. Synergism of *Helicobacter pylori* infection and stress on the augmentation of gastric mucosal damage and its prevention with alpha-tocopherol. Free Radic Biol Med. 2005 Jun 1;38(11):1447-57.
- 4) Cheong JY, Lee KM, Cho SW, Won JH, Kim JK, Wang HJ, **Hahm KB**, Kim JH. Survival benefits of intra-arterial infusion chemotherapy in patients with advanced hepatocellular carcinoma with portal vein tumor thrombosis. Hepatol Res. 2005 Apr 30
- 5) Yoo BM, Oh TY, Kim YB, Yeo M, Lee JS, Surh YJ, Ahn BO, Kim WH, Sohn S, Kim JH, **Hahm KB**. Novel antioxidant ameliorates the fibrosis and inflammation of cerulein-induced chronic pancreatitis in a mouse model. Pancreatology 2005;5(2-3):165-76.
- 6) Yoo BM, Yeo M, Oh TY, Choi JH, Kim WW, Kim JH, Cho SW, Kim SJ, **Hahm KB**. Amelioration of pancreatic fibrosis in mice with defective TGF-beta signaling. Pancreas 2005 Apr;30(3):71-9.
- 7) Lee JS, Oh TY, Kim YK, Baik JH, So S, **Hahm KB**, Surh YJ. Protective effects of green tea polyphenol extracts against ethanol-induced gastric mucosal damages in rats: stress-responsive transcription factors and MAP kinases as potential targets. Mutat Res. 2005 Nov 11;579(1-2):214-24.
- 8) Park S, Yeo M, Jin JH, Lee KM, Jung JY, Choue R, Cho SW, **Hahm KB**. Rescue of *Helicobacter pylori*-induced cytotoxicity by red ginseng. Dig Dis Sci. 2005 Jul;50(7):1218-27.

## 2004

- 1) Yeo M, Kim DK, Kim YB, Oh TY, Lee JE, Cho SW, Kim HC, **Hahm KB**. Selective induction of apoptosis with proton pump inhibitor in gastric cancer cells. *Clin Cancer Res*. 2004 Dec 15;10(24):8687-96.
- 2) Lee KM, Yeo M, Choue JS, Jin JH, Park SJ, Cheong JY, Lee KJ, Kim JH, **Hahm KB**. Protective mechanism of epigallocatechin-3-gallate against *Helicobacter pylori*-induced gastric epithelial cytotoxicity via the blockage of TLR-4 signaling. *Helicobacter*. 2004 Dec;9(6):632-42.
- 3) Nam KT, **Hahm KB**, Oh SY, Yeo M, Han SU, Ahn B, Kim YB, Kang JS, Jang DD, Yang KH, Kim DY. The selective cyclooxygenase-2 inhibitor nimesulide prevents *Helicobacter pylori* - associated gastric cancer development in a mouse model. *Clin Cancer Res*. 2004 Dec 1;10(23):8105-13.
- 4) Yeo M, Park HK, Kim DK, Cho SW, Kim YS, Cho SY, Paik YK, **Hahm KB**. Restoration of heat shock protein70 suppresses gastric mucosal inducible nitric oxide synthase expression induced by *Helicobacter pylori*. *Proteomics*. 2004 Nov;4(11):3335-42.
- 5) Nam KT, Oh SY, Ahn B, Kim YB, Jang DD, Yang KH, **Hahm KB**, Kim DY. Decreased *Helicobacter pylori* associated gastric carcinogenesis in mice lacking inducible nitric oxide synthase. *Gut* 2004 Sep;53(9):1250-5.
- 6) Yeo M, Park HK, Lee KM, Lee KJ, Kim JH, Cho SW, **Hahm KB**. Blockage of HSP 90 modulates *Helicobacter pylori*-induced IL-8 productions through the inactivation of transcriptional factors of AP-1 and NF-kappaB. *Biochem Biophys Res Commun*. 2004 Jul 30;320(3):816-24.
- 7) Park S, **Hahm KB**, Oh TY, Jin JH, Choue R. Preventive effect of the flavonoid, wogonin, against ethanol-induced gastric mucosal damage in rats. *Dig Dis Sci*. 2004 Mar;49(3):384-94
- 8) Park S, Kim WS, Choi UJ, Han SU, Kim YS, Kim YB, Chung MH, Nam KT, Kim DY, Cho SW, **Hahm KB**. Amelioration of oxidative stress with ensuing inflammation contributes to chemoprevention of *H. pylori*-associated gastric carcinogenesis. *Antioxid Redox Signal*. 2004 Jun;6(3):549-60.
- 9) Kwon HJ, Kang JO, Cho SH, Kang HB, Kang KA, Kim JK, Kang YS, Song BC, Kang HW, Shim MJ, Kim HS, Kim YB, **Hahm KB**, Kim BJ, Kook MC, Chung MH, Hyun JW. Presence of human mycoplasma DNA in gastric tissue samples from Korean chronic gastritis patients. *Cancer Sci*. 2004 Apr;95(4):311-5.



- 1) **Hahm KB**, Kim DH, Lee KM, Lee JS, Surh YJ, Kim YB, Yoo BM, Kim JH, Joo HJ, Cho YK, Nam KT, Cho SW. Effect of long-term administration of rebamipide on *Helicobacter pylori* infection in mice. *Aliment Pharmacol Ther.* 2003 Jul;18 Suppl 1:24-38
- 2) Choi J, Kim DY, Hyun JW, Yoon SH, Choi EM, **Hahm KB**, Rhee KH, Chung MH. Measurement of oxidative damage at individual gene levels by quantitative PCR using 8-hydroxyguanine glycosylase (OGG1). *Mutat Res.* 2003 Feb-Mar;523-524:225-35.
- 3) **Hahm KB**, Song YJ, Oh TY, Lee JS, Surh YJ, Kim YB, Yoo BM, Kim JH, Han SU, Nahm KT, Kim MW, Kim DY, Cho SW. Chemoprevention of *Helicobacter pylori*-associated gastric carcinogenesis in a mouse model: is it possible? *J Biochem Mol Biol.* 2003 Jan 31;36(1):82-94.
- 4) Kim DH, Kim SW, Song YJ, Oh TY, Han SU, Kim YB, Joo HJ, Cho YK, Kim DY, Cho SW, Kim MW, Kim JH, **Hahm KB**. Long-term evaluation of mice model infected with *Helicobacter pylori*: focus on gastric pathology including gastric cancer. *Aliment Pharmacol Ther.* 2003 Jul;18 Suppl 1:14-23.

## 2002

- 1) Lee KM, Cho SW, Kim SW, Kim HJ, **Hahm KB**, Kim JH. Effect of virological response on post-treatment durability of lamivudine-induced HBeAg seroconversion. *Journal of Viral Hepatitis* 2002; 9:208-212
- 2) **Hahm KB**, Lim HY, Sohn S, Kwon HJ, Lee KM, Lee JS, Surh YJ, Kim YB, Joo HJ, Kim WS, Cho SW. In vitro evidence of the role of COX-2 in attenuating gastric inflammation and promoting gastric carcinogenesis. *J Environ Pathol Toxicol Oncol.* 2002;21(2):165-76
- 3) Han SU, Kim YB, Joo HJ, **Hahm KB**, Lee WH, Cho YK, Kim DY, Kim MW. *Helicobacter pylori* infection promotes gastric carcinogenesis in a mice model. *J Gastroenterol Hepatol.* 2002 Mar;17(3):253-61.
- 4) **Hahm KB**, Lee KM, Kim YB, Hong WS, Lee WH, Han SU, Kim MW, Ahn BO, Oh TY, Lee MH, Green J, Kim SJ. Conditional loss of TGF-beta signalling leads to increased susceptibility to gastrointestinal carcinogenesis in mice. *Aliment Pharmacol Ther.* 2002 Apr;16 Suppl 2:115-27.
- 5) D Choi KW, Lee YC, Chung IS, Lee JJ, Chung MH, Kim NY, Kim SW, Kim JG, Roe IH, Lee SW, Jung HY, Choi MG, **Hahm KB**, Hong WS, Kim JH. Effect of rebamipide in treatment of *Helicobacter pylori*-associated duodenal ulcer: attenuation of chemokine expression and nitrosative damage. *Dig Dis Sci.* 2002 Feb;47(2):283-91.

## 2001

- 1) **Hahm KB**, Im YH, Parks TW, Green J, M Sandford, Kim SJ : Loss of TGF- $\beta$  signaling in the intestine contributes to tissue injuries in inflammatory bowel disease. *Gut* 49:190-198, 2001
- 2) Im YH, Kim HT, Kim IY, Factor VM, **Hahm KB**, Anzano M, Jang JJ, Flanders K, Haines DC, Thorgeirsson SS, Sizeland A, Kim SJ: Heterozygous mice for the TGF- $\beta$  type II receptor gene have increased susceptibility to hepatocellular carcinogenesis. *Cancer Res* 61:6665-6668, 2001
- 3) Chang J, Lee C, **Hahm KB**, Yi Y, Choi SG, Kim SJ: Over-expression of ERT(ESX/ESE-1/ELF3), an ets-related transcription factor, induces endogenous TGF-beta type II receptor expression and restores the TGF-beta signaling pathway in Hs578t human breast cancer cells. *Oncogene*. 19:151-154: 2000
- 4) Oh TY, Lee JS, Ahn BO, Cho H, Kim WB, Kim YB, Surh YJ, Cho SW, Lee KM, **Hahm KB**. Oxidative stress is more important than acid in the pathogenesis of reflux esophagitis in rats. *Gut* 3:364-371, 2001
- 5) Oh TY, Lee JS, Ahn BO, Cho H, Kim WB, Surh YJ, Cho SW, **Hahm KB**. Oxidative damages are more critical in pathogenesis of reflux esophagitis: Implication of antioxidant in its treatment. *Free Rad Biol Med* 15:905-915, 2001
- 6) **Hahm KB**, Lee JS, Oh TY, Ahn BO, Kim WB, Kim YB, Cho SW, Surh YJ: Involvement of oxidative stress in experimentally induced reflux esophagitis and Barrett's esophagus: Clue for the chemoprevention of esophageal carcinoma by antioxidant. *Mutation Res* 480:189-200, 2001
- 7) Ahn BO, Ko KW, Oh TY, Cho H, Kim WB, Lee KJ, Cho SW, **Hahm KB**. Efficacy of use of colonoscopy in dextran sulfate sodium induced ulcerative colitis in rats: the evaluation of the effects of antioxidant by colonoscopy. *Int J Colorectal Dis* 16:174-181, 2001
- 8) Kim JH, Yoo BM, Lee KJ, **Hahm KB**, Cho SW, Park JJ, Kim SS, Park HC, Kim JH Self expanding coil stent with a long delivery system for palliation of unresectable malignant gastric outlet obstruction: a prospective study. *Endoscopy* 2001 Oct;33(10):838-42.

## 2000

- 1) Lee KJ, Kim JH, **Hahm KB**, Cho SW, Park SY: Randomized trial of N-butyl -2-cyanoacrylate compared with injection of hypertonic saline-epinephrine in the endoscopic treatment of bleeding peptic ulcers. *Endoscopy* 32:505-511: 2000

- 2) **Hahm KB**, Im YH, Lee C, Parks WT, Bang YJ, Green J, Kim SJ : Loss of TGF-beta signaling contributes to autoimmune pancreatitis. *J Clin Invest.* 105:1057-1065: 2000
- 3) Cho SW, **Hahm KB**, Kim JH: Reversion from precore/core promoter mutants to wild-type hepatitis B virus during the course of lamivudine therapy. *Hepatology.* 32:1163-1169: 2000
- 4) Chang J, Lee C, **Hahm KB**, Yi Y, Choi SG, Kim SJ. Over-expression of ERT(ESX/ESE-1/ELF3), an ets-related transcription factor, induces endogenous TGF-beta type II receptor expression and restores the TGF-beta signaling pathway in Hs578t human breast cancer cells. *Oncogene* 2000 Jan 6;19(1):151-4.
- 5) Lee GH, Kim JH, Lee KJ, Yoo BM, **Hahm KB**, Cho SW, Park YS, Moon YS Life-threatening intraabdominal arterial embolization after histoacryl injection for bleeding gastric ulcer. *Endoscopy* 2000 May;32(5):422-4.

#### 1999

- 1) **Hahm KB**, Cho K, Lee C, Im YH, Chang J, Choi SG, Sorensen PH, Thiele CJ, Kim SJ Repression of the gene encoding the TGF-beta type II receptor is a major target of the EWS-FLI1 oncoprotein. *Nature Genet* 23:222-227, 1999
- 2) Kim YS, Cho SW, Lee KJ, **Hahm KB**, Wang HJ, Yim H, Jin YM, Park CH. Tc-99m MIBI SPECT is useful for noninvasively predicting the presence of MDR1 gene-encoded P-glycoprotein in patients with hepatocellular carcinoma. *Clin Nucl Med.* 1999 Nov;24(11):874-9.

#### 1998

- 1) **Hahm KB**, Lee KJ, Kim YS, Kim JH, Cho SW, Yim H, Joo HJ: Quantitative and qualitative usefulness of rebamipide in eradication regimen of *Helicobacter pylori*. *Dig Dis Sci.* 43:192-197: 1998
- 2) **Hahm KB**, Lee KJ, Kim JH, Cho SW, Chung MH : *Helicobacter pylori* infection, oxidative DNA damage, gastric carcinogenesis, and reversibility by rebamipide. *Dig Dis Sci.* 43:72-77: 1998
- 3) **Hahm KB**, Kim JH, Yoo BM, Kim YS, Cho SW, Yim H, Ahn BO, Kim WB: Induction of apoptosis with an extract of *Artemisia asiatica* attenuates the severity of cerulein-induced pancreatitis in rats. *Pancreas.*17:153-157: 1998.
- 4) **Hahm KB**, Lee KJ, Kim YS, Kim JH, Cho SW, Yim H, Joo HJ: Augmented eradication rates of *Helicobacter pylori* by new combination therapy with lansoprazole, amoxicillin, and rebamipide. *Dig Dis Sci.* 43:235-240: 1998

- 5) Choi SG, Yi Y, Kim YS, Kato M, Chang J, Chung HW, **Hahm KB**, Yang HK, Rhee HH, Bang YJ, Kim SJ: A novel *ets*-related transcription factor, ERT/ESX/ESE-1, regulates expression of the transforming growth factor-beta type II receptor. *J Biol Chem.* 273:110-117: 1998
- 6) Bae WY, Yoo BM, Lee KJ, Kim YS, **Hahm KB**, Kim JH, Cho SW. Application of clips during ERCP: a new anchoring method for redundant Kerckring's fold covering the duodenal papilla. *Endoscopy.* 1998 Jan;30(1):S5-6.

#### 1997

- 1) **Hahm KB**, Park IS, Kim YS, Kim JH, Cho SW, Lee SI, Youn JK. Role of rebamipide on induction of heat-shock proteins and protection against reactive oxygen metabolite - mediated cell damage in cultured gastric mucosal cells. *Free Radic Biol Med.* 1997;22(4):711-6.
- 2) Lee KJ, **Hahm KB**, Kim YS, Kim JH, Cho SW, Jie H, Park CH, Yim H. The usefulness of Tc-99m HMPAO labeled WBC SPECT in eosinophilic gastroenteritis. *Clin Nucl Med.* 1997 Aug;22(8):536-41.
- 3) **Hahm KB**, Lee KJ, Choi SY, Kim JH, Cho SW, Yim H, Park SJ, Chung MH. Possibility of chemoprevention by the eradication of *Helicobacter pylori*: oxidative DNA damage and apoptosis in *H. pylori* infection. *Am J Gastroenterol.* 1997 Oct;92(10):1853-7.

#### Grants in Progress (Grant from Nation)

1. Disease Genomics Research Center (2002-2006)
2. Grants from Korea Food Research (2005-2006)
3. Grant from Korea Ginseng Society (2004-2009)
4. Grant from the Ministry of Health and Family Affair (2008-2014)
5. Grant from the Ministry of Education and Science (2009-2014)
6. Grant from Chungchung Province Project (2012-2015)