

## **CURRICULUM VITAE**

**Name:** Han-Kwang **YANG**

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### **Current Position:**

2006, Oct. – Professor, Department of Surgery & Cancer Research Institute, Seoul National University College of Medicine, Seoul, KOREA  
2007, May. - Professor, Chief, Division of Gastrointestinal Surgery, Department of Surgery, Seoul National University Hospital

### **Education:**

1984, Feb. M.D. Seoul National University College of Medicine, Seoul, KOREA  
1988, Feb. M.S. Seoul National University College of Medicine, Seoul, KOREA  
1991, Feb. Ph.D. Seoul National University College of Medicine, Seoul, KOREA

### **Postdoctoral Training:**

#### Internship and Residencies:

1985, Mar. - 1986, Feb. Intern in Seoul National University Hospital, Seoul, KOREA  
1986, Mar. - 1990, Feb. Resident in General Surgery, Seoul National University Hospital, Seoul, KOREA

#### Fellowships:

1990, Mar. - 1991, Feb. General Surgery Fellowship, in General Surgery, Seoul National University Hospital, Seoul, KOREA  
1994, Mar. - 1995, Feb. General Surgery Fellowship, in General Surgery, Seoul National University Hospital, Seoul, KOREA

#### Research Experience:

1991, Apr. - 1994, Jan. Visiting Fellow, NCI-Navy Medical Oncology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA  
1997, Mar. - 1998, Feb. Guest Researcher, Laboratory of Cell Regulation and Carcinogenesis, National Cancer Institute, National Institutes of Health, Bethesda, MD, USA

#### Training Course:

1995, Apr. the 11<sup>th</sup> WHO Training Course of Endoscopy/Surgery for Gastric Cancer at Department of Surgery, Keio University School of Medicine, Tokyo

### **Licensure and Certification:**

1984 Korean Medical License, Registration No. 27884  
1990 Korean Board of Surgery, Certificate #2608  
1996 Korean Board of Endoscopy Certificate 96-259

### **Academic Appointment:**

1995, Mar. – 2001, Aug. Assistant Professor, Department of Surgery, Seoul National University College of Medicine, Seoul, KOREA  
 2001, Sept. – 2006, Sept. Associate Professor, Department of Surgery & Cancer Research Institute, Seoul National University College of Medicine, Seoul, KOREA  
 2006, Oct. – Present Professor, Department of Surgery & Cancer Research Institute, Seoul National University College of Medicine, Seoul, KOREA

**Hospital Appointment:**

1995, Mar. – 2001, Aug. Assistant Professor, Department of Surgery, Seoul National University Hospital, Seoul, KOREA  
 2001, Sept. – 2006, Sep. Associate Professor, Department of Surgery, Seoul National University Hospital, Seoul, KOREA  
 2006, Oct. – Present Professor, Department of Surgery, Seoul National University Hospital, Seoul, KOREA  
 2007, May – present Chief, Division of Gastrointestinal Surgery, Department of Surgery, Seoul National University Hospital, Seoul, KOREA  
 2010, June – 2013, June Director, Office of Public Relations, Seoul National University Hospital  
 2011, March-present Director, Gastric Cancer Center, Seoul National University Hospital

**Memberships, Offices and Committee Assignments in Professional Societies:**

1990-	Korean Surgical Society	Member
1990-	Korean Cancer Association	Member
1991-	American Association for Cancer Research,	Corresponding member
1994-1999	Korean Gastric Cancer Association	Secretary, member
1994-	Korean Society of Gastroenterology	Member
1996, Sept.	15 <sup>th</sup> World Congress of CICD	Secretary General
1999, April	3 <sup>rd</sup> International Gastric Cancer Congress	Secretary General
1999-	Brazilian Gastric Cancer Association	International advisor
1999-	International Gastric Cancer Linkage Consortium	Steering group member
2001 Sept.	AACR International Conference Seoul 2001	Secretary General
2000-2002	International Society for Digestive Surgery	Councilor member
1995-	International Gastric Cancer Association,	Member
2005-	International Gastric Cancer Association	Council member
2007-	International Gastric Cancer Association	Treasurer, Executive committee member
1999-	Korean Gastric Cancer Association	Council member
2005-	Korean Cancer Society	Council member
2006-	Korean Cancer Association	Council member
2006-2008	Korean Surgical Society	Secretary General
2005-2009	Korean Laparoscopic Gastrointestinal Surgery Study Group	Chairman
2007-	Korean GIST Study Group	Vice chairman
2007-	Korean Surgical Skill Study Group	Chairman
2009-	American College of Surgeons	Fellow
2011-	International Society of Digestive Surgery	Council Program Cmt member

**Editorial Member**

- The Journal of Gastric Cancer (official journal of International Gastric Cancer Association)  
Editorial member since 2006;  
Editor since 2009
- Pathobiology since 2007
- Asian Journal of Endoscopic Surgery  
Editor since 2008
- Journal of Surgical Oncology  
Editorial member since 2010
- Annals of Surgery*  
Editorial Board Member since 2012;

### **Clinical practice:**

Every year, about 1,000 gastric cancer surgery at the Division of Gastrointestinal Surgery, Seoul National University Hospital (SNUH) with about 20% morbidity and <0.5% mortality  
Usually I perform 9 cases of gastric cancer surgery including 5-6 laparoscopic gastric surgery per week and one robot-assisted gastrectomy.

Through a multidisciplinary case conference for selected gastric cancer patients who need clinical decision as well as scientific interest, surgeons, gastroenterologists, medical oncologists, radiologists, nuclear medicine doctor and pathologists discuss on selected cases for treatment plan. This conference has been very helpful not only for patient treatment decision but also for clinical trials. Since December 2012, this gastric cancer conference is shared with MGH, Boston through teleconference every three months.

We have a database of over 20,000 gastric cancer patients collected for the last 20 years at SNUH. Dr. Sano from Japan and I were invited to the UICC-AJCC TNM classification committee held in August, 2008 at Roswell Park Cancer Institute. My proposal of classification using SNUH database survival data and Dr. Sano's proposal using Cancer Research Institute's database contributed very much to the committee's decision for the 7<sup>th</sup> edition of TNM staging classification of gastric cancer. This has been published in the journal (Ahn HS, Hahn S, **Yang HK (Corresponding author)**. Evaluation of the Seventh American Joint Committee on Cancer/International Union Against Cancer Classification of gastric adenocarcinoma in comparison with the sixth classification. Cancer. 2011)

### **Clinical trials:**

- Korean PI of palliative gastrectomy trial (Korean Gastric Cancer Association and Japanese Clinical Oncology Group collaborative study) International investigator initiated RCT in Stage IV (REGATTA study)
- Investigator of CLASSIC study (Role of adjuvant chemotherapy in Stage II & III gastric cancer patients) International company sponsored RCT
- Investigator of KLASS studies (KLASS I: Laparoscopic surgery vs. open surgery in cStage I gastric cancer, KLASS II: Laparoscopic surgery vs. open surgery in advanced gastric cancer, KLASS III: Phase II study for esophagojejunostomy after laparoscopic total gastrectomy) Multicenter investigator initiated RCT
- Investigator of Phase II study for the role of neoadjuvant chemotherapy in gastric cancer surgery; single center study
- Korean PI of Phase II study for the role of Neoadjuvant chemotherapy in large gastric GIST; Japan-Korea collaborative study (international investigator initiated trial)

### **Education activities:**

I give lectures to medical students.

We also have one or two international elective students from abroad (Germany, USA, Australia etc). Last year, we had two from Univ. of Sao Paulo, Brazil and one from Hamburg Univ.

We train 16-18 residents per grade at the department of Surgery, Seoul National University Hospital.

Each year, I have two or three fellows at Division of Gastrointestinal Surgery. This year I have 6 fellows including one from Renji Hospital. I train them to perform gastric cancer surgery and research ready for independent gastric cancer treatment team leader, to be involved not only in clinical trials but also in some translational researches. My fellows got faculty positions at university teaching hospitals (Seoul National University Hospital, Kyung-Sang National University Hospital etc.) with gastric cancer specialty.

In 2008, I had ten visiting surgeons (at least for one week) from abroad for observation. A staff surgeon from Singapore stayed for one year to learn gastric cancer surgery. His visit was supported by Singapore government. I also had visiting surgeons from Nepal (for two months), from Japan, Germany, United States and Chile. Especially, Roswell Park Cancer Institute, Buffalo, USA sent their surgical Oncology fellows for one month elective visit to my division for gastric cancer surgery experience. We had 7 fellows from RPCI so far. Since 2008, we had more than 100 oversea visiting doctors (from Japan, USA, Germany, UK, Italy, Kazakhstan, Israel and so on) .

Since 2006, I have organized a surgical skill workshop with a few surgeons from other university. This workshop provides not only basic surgical skill training opportunity to trainees but also opportunity to see how different surgical skills are among surgeons. This training group became the first official study group of Korean Surgical Society and now our training programs became as mandatory programs for resident for their board examination. This program includes not only basic suture course as well as ultrasonography, gastroscopy, colonoscopy and laparoscopic skill courses. We encourage young university surgeons to join as tutors and provide them tutor workshop to share their ideas and experience among different subspecialties.

I have organized Korean Laparoscopic Gastrointestinal Surgery Study Group with leading Korean surgeons, which provides educational conference as well as animal workshop. I was the founding chairman for this KLASS. KLASS has been conducting critical multicenter trials (KLASS 01, 02 & 03).

I have hosted animal workshops for laparoscopic gastric surgery at Seoul National University Hospital since 2000. This study group devoted to the development of laparoscopic surgery for gastric cancer in KOREA. I also started Japan-Korea Joint Seminar on laparoscopic surgery with Professor Kitano at Oita University since 2006. This seminar provided not only podium for exchange experience but also for collaboration between two countries for laparoscopic gastric cancer surgery. With leading Korean and Japanese surgeons, Professor Kitano and I published an English textbook for laparoscopic gastrectomy for cancer (publisher; Springer). This

### **Research activities;**

I have my research laboratory at Cancer Research Institute, Seoul National University (in the same campus of Seoul National University Hospital). I currently supervise two PhD-course students. We have a research meeting once every week with graduate students, fellows and clinical coordinator.

Current research topics;

- 1) Genomic data driven personalized medicine using PDX (government funded project): a sub-PI for gastric cancer
- 2) Local drug delivery using hydrogel; Hydrogel is in fluid status at room temperature but becomes gel at body temperature. We inoculate this hydrogel mixed with chemotherapeutic agent results in local delivery of high concentration of chemotherapeutic agent to the tumor site but without systemic toxicity. This study is in collaboration with Korean Institute of Science and Technology. Research grant is from the government grant for the next generation project about US\$200,000 per year since 2004 (the amount is as of 2008 currency rate)
- 3) microRNA; We have explored microRNAs expressed abnormally in gastric cancer tissues by microarray. We are in process of identifying the biological function of microRNA. This study is

in collaboration with Narry Kim at School of Biological Science, Seoul National University. Research grant from the government grant for cancer research; US\$40,000 per year for 3 years since 2007.

- 4) Detection of cancer cells during radical gastric cancer surgery; grant internal
- 5) Exploration for genes related to lymph node metastasis using microarray; US\$30,000 private grant from Yeon-Gang Foundation

Ongoing international collaborations;

- 1) In vivo and in vitro study of gastric cancer cell using “patient-derived xenograft model” and microarray; with Professor Heinz-Herbert Fiebig, at University of Freiburg, Germany
- 2) Gastric carcinogenesis studies with Professor Jim Goldenring at Department of Surgery, Vanderbilt University, TN, USA
- 3) Gastric cancer detection by methylation markers in stool with David Ahlquist, Mayo Clinic, USA
- 4) PDX, NGS driven personalized medicine with Charles Lee, Jackson Laboratory, USA

### **Recent International Invited Presentations (2001~present):**

**Over 160 invited lectures to international meetings and overseas institutes**

Surgery for Gastric Cancer - My Efforts to Improve the

1. “The role of robot gastrectomy”, “Extended Total Gastrectomy”, “Laparoscopic Total Gastrectomy” & “Open or laparoscopic gastrectomy for cancer” at Asia-Pacific Gastroesophageal Cancer Congress, Brisbane, March, 16-18, 2015
2. “Surgery for Gastric Cancer - My Efforts to Improve the Procedures”, 87<sup>th</sup> Annual meeting of Japanese Gastric Cancer Association, Hiroshima, March 6, 2015
3. Special lecture, “Ten years of KLASS” at 10<sup>th</sup> Japan-China-Korea Laparoscopic Gastrectomy Joint Seminar, Beppu, Japan, Feb 14, 2015
4. Invited lecture “10 years of KLASS” & “**Techniques in laparoscopic gastric surgery; How I do it: PPG**” at 1<sup>st</sup> *CLASSIC 2014*, Guangzhou, China, Dec 19-20, 2014
5. Lecture, “Laparoscopic partial gastrectomy for cancer”, Impact of surgical techniques and technologies on recurrences at Advanced course: minimal invasive surgery for upper GI tract, IRCAD-Taiwan, Taichung, Nov. 27-29, 2014

6. Oxford Union style Debate. "This House Believes That Minimally Invasive Surgery Should be the Standard for Oesophago-Gastric Cancer at MIS debate session and a lecture, "Adjuvant Capecitabine and Oxaliplatin for Gastric Cancer after D2 Gastrectomy (CLASSIC)" at a symposium: Adjuvant Chemotherapy in Gastric Cancer, European Society of Surgical Oncology, Liverpool, Oct 30 & 31, 2014
7. Billroth Lecture "Surgical standards in gastric cancer" at University Hospital of Zurich, Zurich, Oct 28, 2014
8. Invited Lecture "Gastrectomy for Cancer" at Advanced Course in Laparoscopic Digestive Surgery, IRCAD, Strasbourg, Oct 24-25, 2014
9. Invited lecture "The current status and prospect of laparoscopic and robotic surgery on gastric cancer in the world and experience from Korea" 170<sup>th</sup> Anniversary Renji Hospital, Zhaotong University, Shanghai, Oct 17, 2014
10. Symposium lecture, "Robotic surgery: What is reality? Are there any unreported complications?" & Keynote lecture "Laparoscopic pylorus preserving gastrectomy" 27<sup>th</sup> Annual Meeting of Japanese Society for Endoscopic Surgery
11. Invited lecture "Laparoscopic pylorus preserving gastrectomy" at 6<sup>th</sup> Summit Forum on Standardization of Surgical Treatment for Gastric Cancer, Fuzhou, China, Aug 28, 2014
12. Invited lecture "The international disparities of gastric cancer patient outcomes compared to Korea: Effect of early detection and differing treatment strategies", 3<sup>rd</sup> Annual Convention of World Korean Medical Organization, New York, July 3-4, 2014
13. Invited lecture "Laparoscopic gastrectomy for cancer", at Laparoscopic General Surgery Intensive Course, IRCAD, Strasbourg, June 30-July 4, 2014
14. Symposium Lecture "RCT on gastric cancer" at Session "Gastric Cancer; different behavior and treatment options", World Congress of Endoscopic Surgery, Paris, June 28, 2014
15. Lecture "Gastrectomy for Cancer" & tutoring at Intensive Course in Laparoscopic General Surgery, IRCAD-Taiwan, Taipei, June 5, 2014
16. "Laparoscopic gastric cancer surgery" at Minimal Invasive Surgery Workshop, Asian Clinical Oncology Society (ACOS) congress, Taipei, Taiwan, May 2, 2014
17. Invited lecture "Redefining Gastric Cancer Surgery: Open, Laparoscopic, vs. Robotic", Mayo Clinic, Rochester, USA, April 23, 2014
18. Liu Lecture "Redefining Gastric Cancer Surgery" Oregon Health & Science Univ., Portland, USA, April 21, 2014
19. Keynote Lecture "Progress of Surgical Treatment for Gastric Cancer" at 2<sup>nd</sup> Sino-Japan-Korea Gastric Cancer Summit, Tianjin, China, April 19, 2014
20. Symposium lectures "Lessons from REGATTA trial: Collaborations between Japan and Korea" at International Session "Future perspective of Japan-Korea collaboration trials" & "Role of surgery in advanced gastric cancer" at symposium "Multiple approach to improve the outcomes of Gastric Cancer: East and West" at 86<sup>th</sup> Annual Meeting of Japanese Gastric Cancer Association, Yokohama, Japan, 21-22, March 2014
21. Invited Lecture at Hadassah-Hebrew University Medical Center, Jerusalem, Israel, Feb 11, 2014  
Invited Lectures: "Surgical Management of Gastric Cancer", "Prospective randomized trial of laparoscopic vs. open D2 gastrectomy in the management of early gastric cancer" at Israel Society of Surgical Oncology, Caesarea, Israel, Feb 23, 2014
22. Oration: "Gastric Cancer Treatment update" and Live demonstration of open gastrectomy and laparoscopic gastrectomy at International Conference and Live workshop on Gastric Cancer, Chennai, India, January 24-25, 2014
23. "My Experience in Minimal Invasive Gastrectomy for Cancer" at AITS/IRCAD session, 11<sup>th</sup> Asia Pacific Congress of Endoscopic and Laparoscopic Surgery (ELSA), Taipei, Taiwan, Nov 22, 2013
24. Invited Lecture 2: "Redefining Gastric Cancer Surgery: Open, Laparoscopic vs. Robotic" at 75<sup>th</sup> Annual Congress of Japan Surgical Association (JSA), Nagoya, Japan, Nov 21, 2013
25. Lectures "Korean experience of laparoscopic gastric surgery & "The future of surgical treatment of gastric cancer" at Annual meeting of the Anti-Cancer Association of Zhejiang Province, Hangzhou, China, Nov 16-17, 2013

26. Lectures “Laparoscopic surgery for gastric cancer; where we are” & “Robotic gastric cancer surgery” at IASGO Postgraduate Course”, Hong Kong, Oct 31 – Nov 1, 2013
27. Lectures on minimal invasive gastrectomy for cancer and a live demonstration of distal gastrectomy for peptic ulcer obstruction, Advanced Course in Digestive Surgery, IRCAD, Strasbourg, France, October 24-26, 2013
28. Lectures, “How I do a laparoscopic partial gastrectomy for cancer”, “Role of Robotics in gastrectomy for cancer”, “Can laparoscopic gastrectomy reproduce the gold standards of open surgery” and “Is there a future for surgery in upper GI diseases”, Advanced Course "Minimal Invasive Surgery for Upper GI Tract" at ASIA IRCAD, TAIWAN, October 7-9, 2013
29. Invited Lecture “Peritoneal recurrence after gastric cancer surgery; How to prevent and treat” at 15<sup>th</sup> Taishotoyama International Symposium on Gastroenterology, Tokyo, Japan, September 26-28, 2013
30. Invited Seminar, “Gastric Cancer: OR (Operating Room) to Bench”, Cancer Research Institute, Kanazawa University, Kanazawa, Japan, Sept. 11, 2013
31. Invited lecture, “Surgical management for advanced gastric cancer”, State of the Art Lecture (ISDS) “Robotic Surgery for gastric cancer. How I do it?” at the International Society of Surgery ISS/SIC, International Surgical Week ISW 2013, Helsinki, Finland, Aug 25-29, 2013,
32. Invited lectures “Laparoscopic surgery techniques and indication in gastric cancer” and “Laparoscopic surgery in advanced cancer, indications, outcomes”, at II Latin American Symposium, EndoSur 2013, Santiago, Chile, Aug 19-21, 2013
33. Keynote Lecture “Standardization of surgical treatment for gastric cancer in Korea” at 5<sup>th</sup> Summit Forum on Standardization of Surgical Treatment for Gastric Cancer, Fuzhou, China, Aug 17, 2013
34. Invited Lecture “Robotic D2 gastrectomy: Practical tips”, Robotic GI Symposium 2013, Chinese University of Hong Kong, Hong Kong, July 10, 2013
35. Invited Lecture “Gastric cancer management update” at CME session, National Convention, Korean American Medical Association, Las Vegas, USA, July 4, 2013
36. Invited Lecture “Gastric cancer surgery; Open, Laparoscopic or Robotic?” at City of Hope Hospital, Los Angeles July 2, 2013
37. Invited lectures: “D2 Robotic gastrectomy” at Video session: Lymphadenectomy, “Open vs. Mini-invasive surgery” at Symposium: Treatment for advanced resectable gastric cancer, “Different national guidelines” at Panel discussion: The near future in gastric cancer there is road for consensus, 10<sup>th</sup> International Gastric Cancer Congress, Verona, Italy, June 19-22, 2013
38. Invited lecture “How I do it – Robot assisted gastrectomy” at International symposium for the robotic and minimal invasive surgery, National Taiwan University Hospital, Taipei, Taiwan, June 1, 2013
39. Lecture “Management of Early Gastric Cancer” at Postgraduate Course Meeting, SAGES, Baltimore, USA, April 17, 2013
40. Invited Lecture, “*Re-defining the Management of Gastric Cancer*” & Live demonstration of laparoscopic total gastrectomy, at IV Congress of Surgeons of Kazakhstan, Almaty, Kazakhstan, April 15, 2013
41. Invited lecture; “Update for pylorus preserving gastrectomy”, at 8<sup>th</sup> Cina-Korea-Japan Laparoscopic Gastrectomy Joint Seminar, Shanghai, China, March 6-7, 2013
42. Neo-adjuvant imatinib study; Present status and case in Korea, The 3<sup>rd</sup> Asia Pacific GIST Expert Meeting, Taipei, Taiwan, March 2-3, 2013
43. Educational lecture “Re-defining of Gastric Cancer Surgery”, 85<sup>th</sup> Annual Meeting of Japanese Gastric Cancer Association (President; Kosei Hirakawa), Osaka, Japan, Feb27-Mar 1, 2013
44. Redefining the management of gastric cancer, Wakayama Surgical Forum, Wakayama, Japan, Feb 1, 2013
45. Gastrectomy for Cancer at Intensive course in laparoscopic general surgery, Asia Ircad, Taiwan, Jan 28-31, 2013

46. Invited lectures; #1) "Minimal access gastrectomy: How I do it – lessons from a master" & #2) "Where are we going? Current and forthcoming key trials in Korea" at The 5<sup>th</sup> MATTU Oesophago-Gastric Cancer Course: Updates on the management of oesophago-gastric cancer, Guildford, UK, Dec 3-5, 2012
47. Invited lecture "Surgical treatment, what kind of techniques? At Bertinoro, a meeting point for High Grade Dysplasia and Early Gastric Cancer between East and West toward the 10th IGCC. Diagnosis and treatment,
48. Bertinoro, Italy, Nov 30 - Dec 1, 2012
49. Invited lecture "Re-defining the management of gastric cancer" at the 38th Parallel CME/CEU Conference, Seoul, KOREA, Nov 2, 2012
50. Lecture "Clinical case: Neoadjuvant treatment for GIST", Global Opinion Leaders Summit, Athens, Greece, Oct 27, 2012
51. Invited lecture "Standardization of treatment of gastric cancer in Asia: Where should we go?" at 50th Annual Meeting of the Japan Society of Clinical Oncology, Japan, October 25-27, 2012
52. Chennai Oration "Improving results of treatment for gastric cancer", Invited lecture "Robotic gastrectomy for cancer: Present status and its benefits over conventional surgery", Breakfast & luncheon interactions at the XXII<sup>nd</sup> National Conference of the Indian Association of Surgical Gastroenterology, Bangalore, India, October 10-14, 2012
53. Invited lectures "Total gastrectomy - indications and outcomes" & "Laparoscopic gastrectomy in Gastric Cancer" at Pan-American Congress of Gastric Cancer, Porto Alegre Sept. 06-08, 2012
54. Invited lecture "Diagnosis and management of early gastric cancer" at 2012 World Congress on Gastrointestinal Cancer: Asian Perspectives, Shanghai, China, August 17-18, 2012
55. Special Lecture "Re-defining of the management of gastric cancer" at the 44<sup>th</sup> Japanese Forum for Study of Stomach, Kumamoto, Japan, August 2-3, 2012
56. Invited lecture "Gastric Cancer: from Laparoscopy to Endoluminal Surgery" at the XI Brazilian Videosurgery Congress – SOBRACIL, Rio de Janeiro, Brazil, July 18-21, 2012
57. Faculty Advanced Course in Digestive Surgery at IRCAD Brazil; Lecture on Laparoscopic gastrectomy and live demonstration of laparoscopic assisted distal gastrectomy, Barretos, Brazil, July 16-18, 2012
58. Lectures; #1) Laparoscopic surgery for gastric cancer (CME lecture), #2) "Is Gastric Cancer a Korean Disease? Time to Work Together, East and West" at Health Disparity Forum, 30th annual convention of Korean American Medical Association (KAMA) Monarch Beach, CA, USA, July 7, 2012
59. Plenary Lecture "Re-defining the Management of Gastric Cancer" & Symposium lecture "Laparoscopic Gastrectomy: Indications and Results" at 4<sup>th</sup> Asia-Pacific Gastroesophageal Cancer Congress & SGCC 5<sup>th</sup> Annual Scientific Meeting, Singapore, July 4-5, 2012
60. "Minimal invasive surgery in gastric and EGJ cancer" at 3rd EUNE Gastric Cancer International Workshop: European Guidelines for Gastric and Esophagogastric Junction Cancer. Cologne, Germany, June 8<sup>th</sup>-9<sup>th</sup> 2012,
61. "Current Status of Neoadjuvant imatinib study" at Asian GIST Experts Meeting, Osaka, Japan, May 13, 2012
62. Faculty lectures ("Technique of laparoscopic lymph node dissection" & "Technique of reconstruction after laparoscopic distal or total gastrectomy") and demonstration in hands-on workshop on fresh cadaver at 4<sup>th</sup> Master Workshop on Gastric Surgery & Endoscopy hosted by The University of Hong Kong, Hong Kong, May, 4-5, 2012
63. Symposium lecture "Minimal Invasive Gastrectomy for Cancer" and Invited lecture "Robot assisted pylorus gastrectomy and LADG in Situs Inversus Totalis at Session: ELSA Challenges the MIS Experts at 13th World Congress of Endoscopic Surgery, Puerto Vallarta, Mexico, April 25, 2012



64. Invited lectures “Pre-recorded operation demonstration; Gastrectomy for Cancer”, & “Gastrectomy for Gastric Cancer” at Advanced Course in Laparoscopic Digestive Surgery, IRCAD, Strasbourg, France, April 19-20, 2012
65. Faculty & lecture on “Gastrectomy for Cancer” to Intensive course in laparoscopic general surgery, Asia IRCAD, Taiwan, March 31-April 1, 2012
66. Invited lecture “Laparoscopic surgery for gastric cancer, is it safe as open surgery?” at the 3rd liveMED Congress, Berlin, Germany, March 9 – 10, 2012
67. Invited lecture “Minimal invasive surgery for Gastric Cancer” and video demonstration “Supra-pancreatic node dissection during radical gastrectomy” at 3rd International Endolaparoscopic Surgery Symposium, Hong Kong, Dec 19-21, 2011
68. Invited faculty for “Master class on gastric cancer”, Astana Oncology Center, Astana, Kazakhstan, Dec 8-10, 2011
69. Invited lectures “Pre-recorded operation demonstration; Gastrectomy for Cancer”, & “Gastrectomy for Gastric Cancer” at Advanced Course in Laparoscopic Digestive Surgery, IRCAD, Strasbourg, France, Nov 3-5, 2011
70. Symposium lecture “Recent advances in gastric cancer treatment” at the session “Year in Review”, 49<sup>th</sup> Annual Meeting of Japanese Society of Clinical Oncology, Nagoya, Japan, Oct 27, 2011
71. Invited lecture “Cancer screening and gastric cancer treatment in KOREA” at 38TH PARALLEL MEDICAL AND NURSING EDUCATION CONFERENCE 2011 (US Forces in KOREA), Seoul, KOREA Oct 17, 2011
72. Invited lectures ; #1 “Time to work together east and west”, #2 “Towards a new IGCA classification; State of the Art”, at The 1st San Raffaele Meeting “Management of Gastric Cancer in Europe”, San Raffaele Scientific Institute, Milan, Sept 16-17, 2011
73. Faculty & lecture on “Gastrectomy for Cancer” to Intensive course in laparoscopic general surgery, Asia IRCAD, Taiwan, Sept 12-15, 2011
74. Invited Lectures “Current consensus and evidence of laparoscopic assisted gastrectomy” “Operative outcomes of digestive surgery around the world: Stomach” at International Surgical Week, Yokohama, Japan, Aug 28-Sept. 1, 2011
75. Invited Lecture “Gastric cancer surgery”, at Asian Perspective of GI Cancer, Seoul, KOREA, August 26, 2011
76. Invited lectures on gastric cancer treatment & live demonstration of laparoscopic gastrectomy at Sao Paulo University Medical School, Sao Paulo, Brazil, July 15, 2011
77. Invited lectures on gastric cancer treatment & live demonstration of laparoscopic gastrectomy at Santa Casa Medical School, Sao Paulo, Brazil, July 14, 2011
78. Faculty Advanced Course in Digestive Surgery at IRCAD Brazil; Lecture on Laparoscopic gastrectomy and live demonstration of laparoscopic assisted distal gastrectomy, Barretos, Brazil, July 11-13, 2011
79. Invited lecture; Endoluminal resection is appropriate for gastric cancer? Con. at 2<sup>nd</sup> Advances in Surgery, Barcelona, Spain, December 9-10, 2010
80. Invited Lectures “Surgical Therapy- D1, D2 or D3” & “Laparoscopic gastrectomy-outcomes” Video lecture “laparoscopic gastrectomy” & Instructor for D2 Gasrectomy Cadaveric Dissection Workshop at 3<sup>rd</sup> Asia-Pacific Gastroesophageal Cancer Congress, Kuala Lumpur, Malaysia, November 10-12, 2010
81. Invited Faculty at the Advanced Course in Laparoscopic Digestive Surgery; lectures “laparoscopic gastrectomy” & “Gastrectomy for cancer”, IRCAD, Strasbourg University, France, October 28-30, 2010
82. Invited lectures “Surgical management of primary GIST”, at GISTour 2010 Symposium, Incheon, Seoul & Taipei, Taiwan, October 23-24, 2010

83. Lecture “Aberrant methylation of the specific CpG island portion regulates cyclooxygenase-2 gene expression in human gastric carcinomas” at NSFC A3 Foresight Program 2010 Seminar “Epigenetic Signatures in Gastric Carcinogenesis”, Beijing Cancer Hospital, Beijing, China, October 17-20, 2010
84. Invited lecture, “Treatment and Staging for cancer at the esophagogastric junction; 12th World Congress of International Society Disease of Esophagus, Kagoshima, Japan, September 3-5, 2010
85. Invited lecture “Surgical treatment of gastric cancer”, at World Congress on Gastrointestinal Cancer: Asian Perspectives, Hong Kong, August 27-28, 2010
86. Workshop lecture, “Korean standard of multidisciplinary approach in GIST-treatment”, 9<sup>th</sup> International Conference of Asian Clinical Oncology Society, GIFU, Japan, August 24-26, 2010
87. Course director at “Upper GI Surgery Workshop” of Asian Endosurgery Task Force (AETF) Taiwan, August 9-10, 2010
88. Invited lecture, “Japanese classification and UICC classification of gastric cancer; point of view from East”, at Hong Kong Society of Upper Gastrointestinal Surgeons Education Symposium on “New UICC TNM-Staging for Gastric and Esophageal Cancers”, Hong Kong, August 6, 2010
89. Invited Lectures “Surgeon’s view; OR to Bench” and “Strategy for treatment of advanced gastric cancer” at 3<sup>rd</sup> Singapore Gastric Cancer Consortium Annual Scientific Meeting , Singapore, July 15-16 2010.
90. Surgical Grand Lecture “Current topics of Gastric cancer treatment in KOREA, Department of Surgery, National University of Singapore, Singapore, July 14, 2010
91. Postgraduate course lecture, “Laparoscopic gastrectomy for EGC” at 12th World Congress of Endoscopic Surgery & SAGES, Washington DC, USA, April 14, 2010
92. Symposium lecture; Radical surgery for gastric cancer; not only “Extent” but also “How to” in the Special Video Session; Maestro's Operating Theater: “A Surgical Odyssey 2010” at 110th Annual congress of Japanese Surgical Society, Nagoya, Japan, April 9, 2010
93. Special Lecture “Current topics in gastric cancer treatment in KOREA” & Luncheon Seminar Lecture “What is different in gastric cancer treatment between Japan and Korea” at 82<sup>nd</sup> Annual Congress of Japanese Gastric Cancer Association, Niigata, Japan, March 5-6, 2010
94. Symposium lecture and un-edited video presentation; Laparoscopic Assisted Distal Gastrectomy for Gastric Carcinoma, the 2<sup>nd</sup> International Endolaparoscopic Surgery Symposium, Hong Kong, Dec 17-18, 2009
95. “Meet the Professor Meeting” on Gastric Cancer; a day with Han-Kwang Yang, the National Cancer Institute “Regina Elena” in Rome, Italy, Dec 5, 2009
96. Symposium lecture, “Laparoscopic surgery for gastric cancer” at the symposium, Future perspective of gastrointestinal cancer treatment -from bench to bedside, The 20th Annual Meeting of the Japanese Society of Gastroenterological Carcinogenesis, Hiroshima, Japan, Nov 26-27, 2009
97. Invited lecture, “Surgery for Gastric Cancer: From Standard D2 Dissection - through Laparoscopic - to Robotic Surgery” at 71<sup>st</sup> Annual Congress of Japanese Surgical Association, Kyoto, Japan, Nov 19, 2009
98. Gastric Cancer Working Group Consensus Presentation “Surgery and adjuvant chemotherapy” at 20<sup>th</sup> Asian Pacific Cancer Congress, Tsukuba, Japan, Nov 12-13, 2009.
99. Symposium lecture; “Operating room to Bench, Surgeon’s view; detection of cancer cells during radical gastric cancer surgery” at the session “Gastric cancer from bench to clinics”, Annual meeting of Japanese Cancer Association, Yokohama, Japan, Oct 2, 2009

100. Symposium lecture; "Free cancer cells during gastric cancer surgery" at a Main Session "The trend of minimally invasive surgery and modified surgery of the stomach" organized by ISDS, Surgical Week ISW2009, Adelaide, Australia, Sept 10, 2009
101. Symposium lecture "Gastric cancer surgery" at the World Congress on Gastrointestinal Cancer: Asian Perspectives, Taipei, Taiwan, Aug 28-29, 2009
102. Invited lecture "Gastric cancer; Laparoscopic surgery" at the annual meeting of the Royal College of Surgeon of Thailand 2009, Pattaya, Thailand, July 6, 2009
103. Symposium lectures, "Detection of cancer cells during radical gastric cancer surgery", "New TNM classification" and consensus conference presentation "Japanese classification and UICC classification of gastric cancer; point of view from East" at 8<sup>th</sup> International Gastric Cancer Congress, Krakow, Poland, June 10-13, 2009.
104. Invited lecture "Current status of gastric cancer treatment in Korea" at 3<sup>rd</sup> Sino-Japan-Korea Symposium on Gastric Cancer, Shanghai, China, May 29-30, 2009
105. Invited lecture at Seminar "What is standard technique for Laparoscopy assisted gastrectomy?", 81<sup>st</sup> Annual Meeting of Japanese Gastric Cancer Association, March 5, 2009
106. Special Gastric & Mixed Tumor Service Lecture "Optimal Treatment of Gastric Cancer; Practice and Researches at Seoul National University Hospital" at Memorial Sloan-Kettering Cancer Center, New York, USA, Feb 2, 2009
107. Symposium lectures; 1) "Laparoscopic Gastrectomy for T1 & T2 Tumor – Should We Do It?" 2) "D1, D2, D3 and Sentinel Lymph Node: What Is The Best?" at 2<sup>nd</sup> Asia-Pacific Gastroesophageal Cancer Congress, Hong Kong, Nov. 25-26, 2008
108. Instructor for Laparoscopic gastrectomy Cadaver Workshop at University of Hong Kong. Nov. 27, 2008
109. Keynote lecture; Multidisciplinary treatment for gastric cancer; Korean experience, at 1st annual meeting of Chinese College of Surgeons, Beijing, China, Sept 28, 2008.
110. Invited lecture "Current advancement of laparoscopic gastrectomy in Korea." 3<sup>rd</sup> Kanagawa laparoscopic gastrectomy conference, Yokohama, Japan, Sept 19, 2008
111. Symposium lecture; Laparoscopic gastrectomy in Korea, at the Endoscopic and Laparoscopic Surgeons of Asia (ELSA) 2008, Yokohama, Japan, Sept 6, 2008
112. Symposium lecture: "3D experiences in gastrectomy; dry lab, animal and human patient. Feel it by yourself! in the Special Session: Eyes for Future-Can you believe your eyes?-3D or High Quality Visual Effect; at the 11<sup>th</sup> World Congress of Endoscopic Surgery, Yokohama, Japan, Sept 3, 2008
113. Invited lecture "Optimal Surgery for Gastric Cancer; & new tools to evaluate gastric cancer surgery" at the 63<sup>rd</sup> Annual meeting of Japanese Society of Gastroenterological Surgery, Sapporo, Japan, July 16, 2008
114. "Current status of laparoscopic gastric surgery in KOREA" at 3<sup>rd</sup> Japan-Korea Laparoscopic Gastrectomy Joint Seminar, Yufuin, Japan, Feb 16, 2008
115. Invited lectures "Radical surgery for gastric cancer", "Familial gastric cancer", "Translational research in gastric cancer" at 5<sup>th</sup> Jakarta Digestive Week, Jakarta, Indonesia, Dec 7-8, 2007
116. Instructor at D2 dissection on cadaver workshop at University of Indonesia, Jakarta, Indonesia, Dec 6, 2007
117. Symposium lectures at China-Japan-Korea Gastric Cancer Symposium during Asian Surgical Week, Beijing, China, Oct 21, 2007
118. Symposium lectures; GIST surgical treatment, Laparoscopic gastric surgery, at APDDW, Kobe, Japan, Oct 17, 2007

119. Special Lecture “Critical pathway for gastric cancer treatment at Seoul National University Hospital” at the 62<sup>nd</sup> Annual meeting of Japanese Society of Gastroenterological Surgery, Tokyo, Japan, July 19, 2007
120. 4 symposium lectures; 1) Sentinel node dissection; Where are we? 2) Laparoscopic gastric surgery for cancer 3)GIST 4) Is the surgeon a scientist or a care provider? at Gastric Cancer Symposium at St. Luke’s Medical Center, Manila, Philippines Mar. 19-20 2007
121. Symposium Lecture “Standard gastrectomy in Korea” & Symposium Discussant “Lymphadenectomy for gastrectomy” at Japanese Gastric Cancer Congress, Nagoya Japan, Mar 3 2007
122. Symposium lectures, “Role of extended lymph node dissection in gastric cancer” & “Radical Surgery”, at 20<sup>th</sup> International Society of Digestive Surgery, Rome, Nov. 2006
123. Symposium lecture, “Sentinel node in gastric cancer”, Instructor for D2 dissection workshop, 1<sup>st</sup> Asianpacific Gastric Cancer Congress, Singapore, Nov. 2006
124. Symposium lecture, “Current status of laparoscopic gastric cancer surgery in Korea”, 10<sup>th</sup> World Congress of Endoscopic Surgery & 14<sup>th</sup> International Congress of EAES, Berlin, Germany, Sept., 2006
125. Invited lecture “Laparoscopic gastric surgery in Korea” at Ohgami Memorial Symposium, Tokyo, Japan, Sept, 2006
126. Invited lecture “Gastric cancer surgery” at 11<sup>th</sup> Joint Shanghai / Hong Kong Surgical Convention, Shanghai, China July 2006
127. Invited lectures “Is surgeon a care provider or a scientist?”, “Laparoscopic surgery for gastric cancer”, “D2 lymph node dissection for gastric cancer”, “Radical subtotal gastrectomy with Billroth I anastomosis” at Hong Kong Surgical Forum, Hong Kong, July 2006
128. Invited lecture “Gastrin and Gastrin Receptor Expression in Gastric Cancer” at Ajou International Symposium, Suwon, Korea, June, 2006
129. Invited lecture “Gastric cancer treatment in Korea” at Department of Surgery, Vanderbilt University, Nashville, USA, June, 2006
130. Invited lecture “ Multicenter trial of adjuvant chemotherapy after curative resection for advanced gastric cancer”, Taipei, Taiwan, May 2006
131. Invited lecture at “2006 Sino-Korea International Conference on comprehensive management of gastric cancer”, Beijing, China, April, 2006
132. Symposium; “Surgical Clinical Trials” at 78<sup>th</sup> Japanese Gastric Cancer Congress, Osaka, Japan, March 2006
133. Japan-Korea Laparoscopic Gastric Surgery Joint Conference; Co-organizer, Beppu, Japan, Jan 2006
134. Invited Special Lecture “Current status of gastric cancer in Korea” at the 35<sup>th</sup> annual meeting of Japanese Society of Gastro-surgical pathophysiology, Nagoya, Nov. 2005
135. Main symposium lecture “Surgical clinical trials in Korea” at JCOG GI symposium “Collaborations on GI cancer clinical trials between Japan and Korea”, Tokyo, Nov 2005
136. Invitational Lecture; “Gastric cancer researches at Seoul National University Hospital” at the 16<sup>th</sup> Annual meeting of the Japanese Society of Gastroenterological Carcinogenesis, Kagoshima, Japan. Oct 2005
137. Visiting Professor at Department of Surgery, Siena University School of Medicine, Siena, Italy, September 2005
138. Symposium; Clinical characteristics of gastrointestinal stromal tumor of the stomach 6<sup>th</sup> IGCC, Yokohama, Japan, May 2005

139. Symposium; Postoperative functional evaluation of pylorus-preserving gastrectomy 6<sup>th</sup> IGCC Yokohama, Japan, May 2005
140. Live demonstration session; chair and present the data of Sentinel node biopsy for gastric cancer at SNUH, 6<sup>th</sup> IGCC, Yokohama, Japan May 2005
141. Special seminar "Gastric cancer treatment in Korea" at John Wayne Cancer Institute, Santa Monica, USA, March, 2005
142. Korean experience of GIST treatment at GI Molecular Group Meeting on GIST, Shanghai, China, January 2005.
143. Symposium; Treatment Strategy for Early Gastric Cancer, at World Congress of International Society of Digestive Surgery, Yokohama, Japan, Dec., 2004
144. Invited Lecture "Laparoscopic gastric surgery in KOREA" at 2004 Asia Pacific Surgical Leaders' Summit, Seoul, Korea, October, 2004
145. Grand Round Lecture "Lymph node dissection in gastric cancer surgery" at Department of Surgery, MGH, Boston, USA August, 2004
146. Invited Lecture "Gastric cancer treatment in Korea" at Department of Surgery, New York University Medical Center, New York, USA, August 2004
147. Invited Lecture "Gastric cancer in Korea" at Korean-American Medical Association DMV chapter, August 2004
148. Invited Lecture "Gastric cancer" at Department of Surgery, Uniformed Services University of Health Science, Bethesda, USA, August, 2004
149. International Symposium at Annual Meeting of Japanese Gastroenterological Surgery Society, Kagoshima, Japan, July, 2004
150. Grand Round Lecture "Gastric cancer surgery" at Department of Surgery, Stony Brook University Medical School, Stony Brook, USA July, 2004
151. Panel discussion "Gastric Cancer Treatment" at International Society of Gastrointestinal Oncology meeting, Arlington, July 2004
152. Perspective in Gastric Cancer Surgery, International Symposium at Annual Meeting of Japanese Gastric Cancer Association, Yonago, Feb. 2004
153. "Operative outcome in early gastric cancer in various age groups - experience of high volume surgical centers in Korea" International Gastric Cancer Linkage Consortium, May 2003, Munich, Germany.  
"Surgical therapy of gastric cancer" Interdisciplinary Symposium, International Meeting, May 2003, Munich, Germany.
154. "Prognostic significance of the expression of smad4 and smad7 in human gastric carcinomas" Selected lecture, 5th International Gastric Cancer Congress, May 2003, Rome, Italy.
155. "Current status of gastric cancer in Korea" Special Lecture, at the Department of Surgery, Oita Medical University, Feb 2003, Oita, Japan.
156. "Current status of gastric cancer in Korea" Seoul National University-Uniformed Services University Advanced Laparoscopic Workshop, Dec 2002, Seoul, Korea.

157. "Lymphadenectomy for gastric cancer: extended lymphadenectomy in Korea" 18th World Congress of Digestive Surgery, Dec 2002, Hong Kong.
158. "Laparoscopic gastric surgery in Korea" Congress of the Society of Endoscopic and Laparoscopic Surgeons of Asia, Sep 2002, Tokyo, Japan.
159. "Surgery in gastric cancer-does the intensity (D1 vs D2) of resection translate into survival advantage? (The Korean experience)" International Clinical Update Meeting on Gastrointestinal Cancer, Sep 2002, Cheju, Korea.
160. "Gastric cancer in Korea" Seoul National University-The University of Tokyo Surgery Forum, Jun 2002, Seoul, Korea.
161. "Current status of gastric cancer in Korea" Hereditary Gastric Cancer, Porto Cancer Meeting, May 2002, Portugal.
162. "Who is the candidate for adjuvant treatment?" Consensus Conference of Gastric Cancer, April 2001, Seoul, Korea.
163. "Detection of tumor specific mRNAs in peripheral blood of gastric cancer patients using multiplex RT-PCR amplification" Invited lecture, 9th Taisho International Symposium on Gastroenterology, April 2001, Shimoda, Japan.
164. "Familial gastric cancer" at the symposium "Prevention in New Millennium", 4th International Gastric Cancer Congress, April 2001, New York, USA.