

## CURRICULUM VITAE

### **NAME:**

Jinsil Seong, M.D., Ph.D.

### **ADDRESS**

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### **EDUCATION**

1977.3.1-1983.2.28; Yonsei University College of Medicine, Seoul

1983.2.28; M.D.

1987.3.2-1989.2.28; M.S.in Medicine, Yonsei University Graduate School, Seoul, Korea

1989.3.2-1993.8.20; PhD in Medicine, Yonsei University Graduate School, Seoul, Korea



## PROFESSIONAL BACKGROUND AND EXPERIENCES

2017.8.16- ; Vice-president, Asian Association of Radiation Research

2017.1.1-12.31; President, Korean Society of Radiation Bioscience

2017.6.30- ; Council member, Korean Liver Cancer Association

2016.11.7-11; Expert participation in Programme of Action in Cancer Treatment, operated by International Atomic Energy Agency (PACT) mission in Brunei

2016.9.1- ; Board member, Asian Clinical Oncology Society

2016.7.1-2017.6.30; President, Korean Liver Cancer Association

2016.6.1- ; Co-Chair, Asia Liver Radiation Therapy Study Group

2016.6.1-2018.5.30; Executive board, Korean Cancer Association

2015.7.1- ; Executive Secretary, Asia-Pacific Primary Liver cancer Expert (APPLE) association

2015. 3.1-2017.2.28; Executive board, Women in Nuclear Global (WIN-global)

2014.1.1- 2016.12.31 ; Global task force on Radiotherapy for cancer control in UICC

2013.5.1-2014.4.30; Scientific committee chair of Global Academic Program 2014 (GAP2014)

(Annual International Oncology Conference among M.D. Anderson Cancer Center and its 30 sister institutions)

2013.10.1-11.30; Consultant in Applied Radiation Biology and Radiotherapy in International Atomic Energy Agency (IAEA), Vienna, Austria

2013.7.4-7.18; Expert participation in Programme of Action in Cancer Treatment, operated by International Atomic Energy Agency (PACT) mission in Vietnam

2013.1.1-2016.12.31; Principal investigator representing Yonsei Cancer Center in Radiation Therapy Oncology Group (RTOG)

2013.1.1-2015.7.1; Council Member, Asia-pacific primary liver cancer expert (APPLE) association



2012.3.27-3.31; Expert participation in Programme of Action in Cancer Treatment, operated by International Atomic Energy Agency(PACT) mission in Philippines

2012.1.1- ; Editorial Board of Liver Cancer

2012.1.1- ; Editorial Board of Journal of Radiation Oncology

2010.3.1-2012.2.28; Yonsei Liver Cancer Study Group, president

2010.1.1- ; Council member, Asian Clinical Oncology Society

2009.9.-2015. 10.: Board member, Korean Society for Therapeutic Radiology and Oncology

2009.3.1-2012.2.27; Director in clinical affairs, Yonsei Cancer Center

2009.1.1- ; Council member, Korean Association of Study of Liver

2008.6.1-2016.5.30: Board member, Korean Cancer Association

2005.3.1-2009.2.28; Chairperson, Dept. of Radiation Oncology, Yonsei University Medical College

2005.3.1- ; Consultant for Multinational Clinical Trial, in International Atomic Energy Agency (IAEA)

2005.6.1-2007.5.31; Board of Multidisciplinary Team, Korean Association of Clinical Oncology

2004.3.1- ; Professor in Dept. of Radiation Oncology, Yonsei University College of Medicine

2003.10.1-2005.2.28; Chairperson, Department of Radiation Oncology, Yongdong Severance

Hospital, Yonsei University Medical College

2003.1.1- ; Reviewer of American Journal of Clinical Oncology, Clinical Cancer Research,

International Journal of Radiation Biology, Journal of Hepatology

2002.1.1-2012.12.31; Editorial Board of International Journal of Radiation Oncology Biology &

Physics (American Society for Therapeutic Radiology & Oncology)

1999.3.1-2003.2.28; Associate professor in Dept. of Radiation Oncology, Yonsei University College

of Medicine

1995.8.28-1996.11.15: Visiting Scientist, Dept. of Experimental Radiation Oncology, M.D. Anderson

Cancer Center, Houston Texas, USA

1994.31.-1998.2.28; Assistant professor in Dept. of Radiation Oncology, Yonsei University College  
of Medicine

1992.3.1-1994.2.28; Instructor in Dept. of Radiation Oncology, Yonsei University College of  
Medicine

1990.9.1-1992. 2.28; Visiting Scientist, in Department of Experimental radiotherapy, M.D. Anderson  
Cancer Center, Houston Texas, USA

1987.3.1-1990.2.28; Research Fellow in Department of Radiation Oncology, Yonsei University  
Hospital and Yonsei Cancer Center

1983.3.1-1987.2.28; Intern and Residency training, Department of Radiation Oncology,  
Yonsei Cancer Center, Seoul, Korea

## **MEMBERSHIP in Professional Academic Society**

2018-; Active member, National Academy of Medicine of Korea

2010-; Active member, Asia-Pacific Primary Liver Cancer Expert Meeting

2010-; Active member, Asian Clinical Oncology Society

2007-; Active member, International Liver Cancer Association

2006-; Active member, Asia-Pacific Association of Study of Liver

2005-; Active member, Korean Association of Clinical Oncology

2000-; Active member, Korean Association of Study of Liver

2000-; Active member, Korean Liver Cancer Study Group

1997-; Active member, European Society for Therapeutic Radiology and Oncology

- 1996-2000: Active member, Radiation Research Society
- 1992-: Active member, American Society for Therapeutic Radiology and Oncology
- 1988-: Active member, Korean Association for Radiation Protection
- 1984-: Active member, Korean Cancer Association
- 1984-: Active member, Korean Society for Therapeutic Radiology and Oncology
- 1983-: Active member, Korean Medical Association

## AWARDS:

- 2017.10.13. HDK The best academic award, Korean Society of radiation oncology
- 2017.3.21; Cancer prevention award, Korean Ministry of Health and Welfare
- 2016.12.9; The best scholar award, Korean Association of Radiation Bioscience
- 2012.6.13; Distinguished Scientific Award, Korean Cancer Association
- 2011.7.2; Best presentation award-bronze, 2<sup>nd</sup> Asia Pacific Primary Liver Cancer Expert meeting
- 2010.11.8; Best doctor award, Yonsei University Health System
2006. 5. 27; Best poster award, 12<sup>th</sup> Annual Meeting of Korean Association of Study of Liver
- 2005.12.17; Distinguished Scientific Award, 4<sup>th</sup> Japanese Society of Hepatology International  
Conference
2005. 5. 28; Best poster award, 11<sup>th</sup> Annual Meeting of Korean Association of Study of Liver
2004. 2.17.; Young Investigator Award, International Congress of Liver Disease 2004
2003. 6.27; GSK Research Award, Korean Association of Liver Disease

2002. 6.15; SK Research Award, Korean Cancer Association

2002. 5.12; Award for the Outstanding Professor, Yonsei University

1996.10.18; Abbott Research Award, Korean Society for Therapeutic Oncology and Radiology

1994. 3.15; Award for the Best Scholar, Korean Foundation of Science and Technology

## PUBLICATIONS

### Non-SCI-listed journal

1. Seong J, Oh WY, Suh CO, and Kim GE: Radiotherapy of non-small cell lung cancer. J Korean Soc Ther Radiol 1984;2:213-219.
2. Cho KH, Seong J, Suh CO, and Kim GE : Radiation therapy for loco-regional recurrence of adenocarcinoma of rectum. J Korean Soc Ther Radiol 1984;2:237-243.
3. Park KR, Oh WY, Seong J, Suh CO, Kim GE, and Kim BS: Solitary plasmacytoma of the head and neck. J Korean Soc Ther Radiol 1985;3:35-40.
4. Seong J, Kim SG, Suh CO, Kim GE, and Loh JJK: Carcinoma of the tonsillar region; Results of external irradiation. J Korean Soc Ther Radiol 1986;4:29-34.
5. Seong J, Loh JJK, Suh CO, Kim GE, Chung HJ, Choi IJ, and Kim BS: The treatment results of non-metastatic Wilm's tumor by multimodality approach. J Korean Cancer Soc 1988;20:59-66.
6. Loh JJK, Seong J, Suh CO, Roh JK, Kim BS, and Kim GE: Hyperthermia using 8 MHz RF capacitive type in the treatment of cancer. J Korean Med Soc 1988;31:1229-1239.
7. Loh JJK, Lee CG, Seong J, Kim SG, Park KR, Suh CO, and Kim GE: The role of radiotherapy in management of rectal cancer. J Korean Soc Ther Radiol 1988;6:235-246.
8. Suh CO, Loh JJK, Seong J, Roh JK, Kim BS, Park IS, and Choi HJ: Effect of radiofrequency hyperthermia on hepatocellular carcinoma; Preliminary report. J Korean Cancer Soc 1988;20:117-125.
9. Loh JJK, Seong J, Suh CO, Kim GE, Kim BS, Kim JW, and Park TK: Combined radiotherapy and hyperthermia for locally advanced cervical carcinoma. J Korean Cancer Soc 1988;20:172-179.

10. Kim JH, Kim SK, Lee WY, Kim KH, Park YJ, Chang J, Koh EH, Ahn CM, Oh NH, Sohn HY, Roh JK, Cho BK, Hong SR, Hong PH, Choi KO, Lee KK, Seong J, Suh CO, Kim GE, Loh JJK, Kim BS: Combined Cyclophosphamide, Adriamycin, Cisplatin (CAP) chemotherapy and radiotherapy in locally advanced non-small cell lung cancer. J Korean Med Soc 1988;31:850-863.
11. Loh JJK, Seong J Suh CO, Kim GE, Chu SS, Park KR, Lee CG, Kim BS, Kim SG, and Seel DJ: Cooperative clinical studies of hyperthermia using a capacitive type heating device GHT-RF8. Yonsei Medical Journal 1989;30:72-80.
12. Seong J, Lee YG, Suh Co, Loh JJK, Yoo HS, Roh JK, Kim BS, Han KH, Lee SI, and Choi HJ: Combined hyperthermia and radiation therapy on primary hepatocellular carcinoma. J Korean Cancer Soc 1989;21:117-128.
13. Seong J, Suh CO, Kim GE, Kim BS, and Loh JJK: Recurrent Wilm's tumor following primary treatment. J Korean Cancer Soc 1989;21:424-430.
14. Seong J, Chu SS, Yang SW, and Loh JJK: Unusual arrangement of electrodes in capacitive heating device. J Korean Soc Ther Radiol 1989;7:313-320.
15. Seong J, Loh JJK, Suh CO, Kim GE, Han KH, Lee SI, Roh JK, Choi HJ, and Kim BS: Combined radiotherapy and hyperthermia for nonresectable hepatocellular carcinoma. J Korean Soc Ther Radiol 1989;7:247-258.
16. Seong J: Hyperthermia in cancer treatment. J Korean Med Women's Soc 1989;14:29-41.
17. Lee JY, Suh CO, Seong J, Kim GE, and Loh JJK: Radiotherapy of paraaortic node metastases in carcinoma of the uterine cervix. J Korean Soc Ther Radiol 1989;7:259-267.
18. Lee HS, Moon SR, Ahn KJ, Chung EJ, Seong J, Kim GE, Loh JJK: Heterogeneity of T2N0 glottic cancer. J Korean Soc Ther Radiol 1990;8:199-205.
19. Seong J, Loh JJK, Kim GE, Suh CO, Kim JW, and Park TK: Postoperative radiotherapy for stage IB carcinoma of the uterine cervix. Yonsei Medical Journal 1990;31:367-374.
20. Ahn KJ, Chung EJ, Lee HS, Moon SR, Seong J, Kim GE, Loh JJK: Nasopharygeal carcinoma under the age 30. J Korean Soc Ther Radiol 1990;8:183-188.
21. Lee HS, Chu SS, Seong J, Suh CO, Kim GE, Loh JJK, Kim YS, Kim SH, Chung SS, Han EK, Kim TS: Interstitial hyperthermia using 8MHz RF capacitive heating. J Korean Soc Ther Radiol 1991;9:27-36.

22. Suh CO, Loh JJK, Shin HS, Lee HS, Moon SR, Seong J, Chu SS, Kim GE, Han EK, Park CI: Effect of local hyperthermia on canine liver. J Korean Soc Ther Radiol 1991;9:37-46.
23. Song MH, Chung EJ, Seong J: Granulocytic sarcoma: Results of radiotherapy. J Korean Soc Ther Radiol 1992;10:261-266.
24. Pyo HR, Seong J, Shin HS, Lee HS, Kim GE, Suh CO, Loh JJK, Kim WC: The role of postoperative adjuvant radiation therapy to primary site in rectal cancer patients with synchronous liver metastasis. J Korean Soc Ther Radiol 1993;11:103-108.
25. Oh YT, Seong J, Shin HS, Kim GE: Biochemical changes of liver function in patients with hepatocellular carcinoma following radiotherapy and hyperthermia. J Korean Soc Ther Radiol 1993;11:109-118.
26. Shin HS, Seong J, Oh WY, Kim GE: Role of radiotherapy in unresectable pancreatic carcinoma. J Korean Soc Ther Radiol 1993;11:119-127.
27. Seong J: Radiation induced G2 chromatid break and repair kinetics. J Korean Soc Ther Radiol 1993;11:193-204.
28. Seong J, Suh CO, Kim GE: Adaptive response to ionizing radiation induced by low doses of gamma-rays in human lymphoblastoid cell lines. J Korean Soc Ther Radiol 1994;12:1-8.
29. Seong J, Kim GE: Adaptive response to ionizing radiation induced by low dose of gamma-rays in human hepatoma cell lines. Yonsei Medical Journal 1994;35:77-83.
30. Chung WK, Kim SG, Lee CG, Seong JS, Kim GE: Concurrent chemoradiotherapy results in patients with anal cancer. J Korean Soc Ther Radiol 1994;12:99-108.
31. Seong J, Lee HS, Han KH, Chon CY, Suh CO, Kim GE: Combined treatment of radiotherapy and hyperthermia for unresectable hepatocellular carcinoma. Yonsei Med J 1994;35:252-259.
32. Kim MW, Lee KH, Chung JB, Seong J, Lee HR, Choi JH, Chung HC, Kim WC, Kum KC, Roh JK, Kim BS: The effect of combined chemoradiotherapy with or without hyperthermia in locally advanced pancreatic cancer. J Korean Cancer Soc 1994; 26:561-566.
33. Han KJ, Song SY, Chung JB, Kang JK, Seong J: Successful management by a new self-expandable and removable metallic coil stent insertion in a case with malignant obstructive jaundice associated with CBD stones at below and above the stricture. J Korean Soc Gastrointest Endosc 1994;14:402-408.
34. Seong J, Sung SH, Lee JW, Shin HS, Park CI, Kwon OH: Assessment of cell proliferation in



- primary and recurrent colorectal cancers. J Korean Cancer Soc 1995;27:223-229.
35. Seong J, Lee JD, Hong SJ, Kim GE: Strontium-89 treatment for painful bone metastases. J Korean Cancer Soc 1995;27:797-803.
  36. Seong J, Lee JW, Chung EJ, Kim YT, Kim JW, Kim NK, Hong SJ, Choi EC, Lee WS, Kwon OH, Kim GE: Cell kinetics studies of human epithelial cancers with Bromodeoxyuridine labeling. J Korean Cancer Assoc 1995;27: 783-789.
  37. Kim WC, Seong J, Kim GE; Role of radiotherapy in unresectable rectal cancers. J Korean Soc Ther Radiol 1995;13:173-180.
  38. Kim KC, Han KH, Seong J, Park HJ, Chung JP, Lee KS, Chon JY, Moon YM, Park IS; Bleomycin-induced chromosomal sensitivity in hepatocellular carcinoma patients. J Korean Soc Gastrointestinal Dis 1996;28:382-390.
  39. Chung EJ, Suh CO, Seong J, Keum KC, Kim GE. Treatment result of ovarian dysgerminoma J Korean Soc Ther Radiol Oncol 1996;14:221-228.
  40. Seong J, Hunter N, Milas L. Induction of apoptosis and expression of apoptosis-related gene products in response to radiation in murine tumors. J Korean Soc Ther Radiol Oncol 1997;15:187-195.
  41. Park W, Seong J, Keum KC, Suh CO, Lee SW, Lim JH, Min JS, Roh JK, Kim JH, Chung HC, Lee KK, Kim GE. The role of adjuvant postoperative radiotherapy in curative resectable sigmoid colon carcinoma. J Korean Soc Ther Radiol Oncol 1997;15:339-347.
  42. Lim JH, Park W, Seong J, Suh CO, Kim GE, Min JS, Chung HC, Roh JK, Kim BS, Kim JY. Comparison of postoperative adjuvant radiation therapy alone vs. chemoradiotherapy in adenocarcinoma of the rectum. J Korean Soc Ther Radiol Oncol 1998;16:35-41.
  43. Seong J, Keum KC, Han KH, Lee DY, Lee JT, Chon CY, Moon YM, Suh CO, Kim GE. Combined treatment of transarterial chemoembolization and local radiotherapy for unresectable hepatoma J Korean Soc Ther Radiol Oncol 1998;16: 159-165.
  44. Seong J, Shin HC, Kim GE, Suh CO. The effect of TNF- $\alpha$  on antitumor activity of radiation J Korean Soc Ther Radiol Oncol 1998;16: 225-231.
  45. Lee SW, Kim GE, Chung KS, Lee CG, Seong J, Suh CO. A comparative study of predicting radiation hepatitis in 2-D and 3-D conformal radiotherapy for hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol 1998;6:455-467.



46. Yeo IH, Seong J, Chu SS, Kim GE, Suh CO, Sandra E. Burch, Chris K. Wang Understanding the response characteristics of x-ray verification film. J Korean Soc Ther Radiol Oncol 1998;16:505-515.
47. Seong J, Kim SH, Lee WJ, Suh CO, Min JS. Heterogeneity of radiation induced apoptosis in murine system J Korean Soc Cancer 1998;30:1259-1268.
48. Seong J. Radiotherapy of gastric cancer In: Kim JB eds. Gastric cancer 1999;pp265-27.
49. Cho JH, Seong J, Keum KC, Kim GE, Suh CO, Roh JK, Chung HC, Min JS, Kim NK. The effect of preoperative concurrent chemoradiotherapy in locally advanced rectal cancer. J Korean Soc Ther Radiol Oncol 2000;18:293-299.
50. Shin HS, Seong J. The role of radiotherapy in locally advanced gall bladder cancer. J Korean Soc Ther Radiol Oncol 2000;18:283-292.
51. Seong J, Kim SH, Suh CO. Enhancement of antitumor effect by combined chemo- radiation in murine hepatocarcinoma. J Korean Soc Ther Radiol Oncol 2000;18:329-336.
52. Park HC, Seong J, Lim JH, Kim GE, Han KH, Chon CY, Moon YM, Lee DY, Lee JT, Suh CO. The effect of radiotherapy for unresectable hepatocellular carcinoma patients who failed with transcatheter arterial chemoembolization. J Korean Soc Cancer 2000;32:220-228.
53. Chung EJ, Kim GE, Seong J, Yang WI, Kim YT, Suh CO. Clinical significance of apoptosis and the expression of p53 in stage IIB uterine cervical carcinoma treated with radiotherapy. J Korean Soc Cancer 2000;32:638-646.
54. Keum KC, Lee SW, Shin HS, Kim GE, Seong J, Lee CG, Chu SS, Chang SK, Suh CO. The measurement of set-up error and GTV movement using Electronic portal imaging device (EPID) in hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol 2000;18:107-113.
55. Keum KC, Seong J, Suh CO, Lee SW, Chung EJ, Shin HS, Lim GE. Prediction of radiation hepatitis using normal tissue complication probability in hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol 2000;18:277-282.
56. Lee S, Seong J, Kim YB, Cho KW, Kim JH, Chang SK, Kwon SI, Chu SS, Suh CO. Feasibility of respiration-reduction device system in radiotherapy of hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol 2001;19:319-326.
57. Park HC, Seong J, Han KH, Chon CY, Moon YM, Song JS, Suh CO. Dose-response relation in radiotherapy of hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol 2001;19:118-126.

58. Cho JH, Lim JH, Seong J, Oyo HR, Keum WS, Suh CO, Hong SJ. Bladder conservation with combined treatment of chemoradiation in muscle-invading bladder cancer. J Korean Soc Ther Radiol Oncol 2001;19:359-368.
59. Park HC, Suh CO, Seong J, Cho JH, Lim JH, Park W, Song JS, Kim GE. The effect of ondansetron and metochlopramide in management of nausea and vomiting in radiotherapy on abdomen: a phase III prospective randomized trial. J Korean Soc Ther Radiol Oncol 2001;19:127-135.
60. Oh WY, Song MH, Seong J, Suh CO. Regulation of apoptosis and cell cycle in murine cerebral tissue. J Korean Soc Ther Radiol Oncol, 2001;19:146-152.
61. Keum WS, Seong J, Lee MJ, Park HC, Han KH, Chon CY, Moon YM. radiotherapy of bone metastasis from hepatocellular carcinoma. J Korean Soc Liver2002;8:304-311.
62. Kim SH, Seong J, Seong JK. Role of Fas in radiation-induced apoptosis. J Korean Soc Ther Radiol Oncol. 2002;20:246-252.
63. Kim YB, Seong J, Song SY, Park SW, Suh CO. concurrent chemoradiotherapy in unresectable pancreatic cancer. J Korean Soc Ther Radiol Oncol. 2002;20:328-333.
64. Keum KC, Park HC, Seong J, Chang SK, Han KH, Chon CY, Moon YM, Kim GE, Suh CO. The preliminary result of 3-dimensional conformal radiotherapy in unresectable hepatocellular carcinoma. J Korean Soc Ther Radiol Oncol, 2002;20:123-129.
65. Kim JS, Han KH, Lee DY, Seong J, Yoon YH, Chung JY, Ahn SH, Chon CY, Moon YM. Concurrent chemoradiotherapy in advanced hepatocellular carcinoma with portal vein thrombosis. J Korean Soc Liver. 2002;8:71-79.
66. Oh YT, Kang HJ, Kim MW, Chon M, Kang SH, Suh CO, Chu SS, Seong J, Kim GE. Measurement of 3-dimensional dose distribution using polymer gel and magnetic resonance imaging.. J Korean Soc Ther Radiol Oncol, 2002;20:264-273.
67. Lee CG, Kim CB, Chung KY, Lee DY, Seong J, Kim GE, Suh CO. The role of postoperative radiotherapy in esophageal cancer. J Korean Soc Ther Radiol Oncol, 2002;20:316-322.
68. Kim JH, Kim DY, Kim YH, Kim CY, Seong J. A survey of radiotherapy principle for rectal cancer in Korean radiation oncologist for the development of pattern of care study. J Korean Soc Ther Radiol Oncol, 2003;21:44-53.
69. Development of a device to analyze set-up error in radiotherapy. J Korean Soc Ther Radiol Oncol, 2003;21:100-106 .

70. Kim SH, Seong J, Suh CO. Role of Fas/Fas ligand in radiation-induced apoptosis. J Korean Soc Ther Radiol Oncol, 2003;21:222-226.
71. Kim SH, Seong J, Enhancement of radiosensitivity by MEK inhibitor in C3H/HeJ hepatocarcinoma. C3H/HeJ J Korean Soc Ther Radiol Oncol, 2003;21:207-215 .
72. Kim JH, Park JH, Kim DY, Kim WC, Seong J, Ahn YC, Yoo MR, Chon M, Hong SE. Determination of the optimal field size in postoperative radiotherapy of rectal cancer to develop pattern of care study. J Korean Soc Ther Radiol Oncol, 2003;21:183-191.
73. Seong J. Recent Development in Radiotherapy of Hepatocellular Carcinoma. Korean J Hepatol 2004;10:248-259.
74. Seong J. Proteomics of Protein Expression Profiling in Tissues with Different Radiosensitivity. J Korean Soc Ther Radiol Oncol, 2004;22(4):298-306.
75. Kim NK, Baik SH, Lee KY, Son SK, Cho CW, Min JS, Seong J, Chung HC, Rha SY. Preoperative Chemoradiation Followed by Total Mesorectal Excision for Locally Advanced Rectal Cancer: Oncologic Outcomes According to Pathologic T and N Stage. J Korean Surg Soc, 2005;68(3):218-223.
76. Seong J. High precision radiotherapy of hepatocellular carcinoma. J Korean Liver Cancer Study Group. 2005;5:1-6.
77. Kim DY, Han KH, Seong J, Ahn SH, Kim KS. Curative resection of advanced hepatocellular carcinoma after concurrent chemo-radiation therapy; a case report. J Korean Liver Cancer Study Group. 2005;5:22-26.
78. Shim SJ, Seong J. A case of intensity modulated radiotherapy in hepatocellular carcinoma. J Korean Liver Cancer Study Group. 2005;5:27-29.
79. Kim MW, Ahn SH, Paik YH, Lee KS, Chon CY, Moon YM, Seong J, Han KH. Two cases of acute hepatic decompensation after concurrent chemoradiotherapy in patients with advanced hepatocellular carcinoma. Jo Korean Liver Cancer Study Group. 2005;5:52-56.
80. Seong J, Lee IJ. Radiotherapy of biliary tract cancer, Korean J Pancreas and Biliary Tract. 2005;72-79.
81. Cho JH, Kim HC, Suh CO, Lee CG, Keum KC, Cho NH, Lee IJ, Seong J, Kim GE. Optimal radiotherapy schedule on uterine cervical cancer based on radiation dose and treatment technique. J Korean Soc Ther Radiol Oncol, 2005;23:143-156.
82. An JH, Seong J, Oh HJ, Kim WW, Han KH, Paik YH. Protein expression profiles in a rat

cirrhotic model induced by thioacetamide. Korean J Hepatol 2006;12:93-102.

83. Chang SK, Seong J, Kim SH, Shin HS. Biological markers as predictors of radiosensitivity in syngeneic murine tumors. J Korean Soc Ther Radiol Oncol 2006;24:128-137.
84. Lee IJ, Seong J, Shim SJ, Han KH, Chon CY. Reappraisal of risk factors predicting liver complications from radiotherapy for hepatocellular carcinoma. Korean J Hepatol 2006;12:420-428.
85. Lee IJ, Seong J, Shim SJ, Jeong KK, Cho KW. Optimal radiation port arrangements for hepatic tumor using 3-dimensional conformal radiotherapy planning. J Korean Assoc Radiat Protect 2006;31:187-195.
86. Kang WS, Yoon KT, Park JY, Kim DY, Ahn SH, Chon CY, Kim KS, Seong J, Ha KH, A case report of hepatocellular carcinoma patient treated with curative surgical resection after successful concurrent chemoradiotherapy. J Korean Liver Cancer Study Assoc 2008;8:98-101.
87. You SW, Seong J, Koom WS. Perineal skin toxicity according to irradiation technique in radiotherapy of anal cancer. J Korean Soc Ther Radiol Oncol 2008;26:222-228.
88. You SW, Seong J, Lee IJ, Koom WS, Jeon BC. Treatment margin assessment using Megavoltage computed tomography of a Tomotherapy unit in the radiotherapy of a liver tumor. J Korean Soc Ther Radiol Oncol 2008;26:280-288.
89. Kim SY, You SW, Song T, Kim YN, Keum KC, Cho JH, Lee CG, Jinsil Seong. Superficial Dosimetry for Helical Tomotherapy. J Korean Soc Ther Radiol Oncol 2009;27:103-110.
90. Choi Y, Kim JW, Lee IJ, Han HJ, Baek J, Seong J. Helical tomotherapy for spine oligometastases from gastrointestinal malignancies. Radiat Oncol J 2011;29:219-27.
91. Cha J, Seong J, Keum KC, Lee CG, Koom WS. Comparison of elective inguinal node irradiation techniques in anal cancer. Radiat Oncol J 2011;29:236-42.
92. Lee IJ, Seong J, Bae JI, You SW, Rhee YM, Lee JH. Effect of oral supplementation with branched chain amino acid (BCAA) during radiotherapy in patients with hepatocellular carcinoma; A double-blind randomized study. Cancer Res Treat 2011;43:24-31.
93. Min BS, Kim NK, Pyo JY, Kim HG, Seong J, Keum KC, Sohn SK, Cho CH. Clinical impact of tumor regression grade after preoperative chemoradiation for locally advanced rectal cancer; subset analyses in lymph node negative patients. J Korean Soc Coloproctol 2011;27:31-40.
94. Cha J, Seong J. Application of radiotherapeutic strategies in the BCLC-defined staged of

hepatocellular carcinoma. Liver Cancer 2012;1:216-25.

95. Lee JS, Choi J, Choi C, Seong J. Role of radiotherapy for pancreatobiliary neuroendocrine tumors. Radiat Oncol J 2013;31:125-30.
96. Im JH, Seong J, Lee J, Kim YB, Lee IJ, Park JS, Yoon DS, Kim KS, Lee WJ. Postoperative radiotherapy dose correlates with locoregional control in patients with extra-hepatic bile duct cancer. Radiat Oncol J. 2014;32:7-13.
97. Lee DS, Seong J. [Radiotherapeutic options for hepatocellular carcinoma with portal vein tumor thrombosis](#). Liver Cancer. 2014;3:18-30
98. Im CH, Seong J. Application of radiotherapy for hepatocellular carcinoma in current clinical practice guidelines. Rad Oncol J 2016;34:160-67.
99. Park HC, Yu JI, Cheng JC, Zeng ZC, Hong JH, Wang ML, Kim MS, Chi KH, Liang PC, Lee RC, Lau WY, Han KH, Chow PK, Seong J. [Consensus for Radiotherapy in Hepatocellular Carcinoma from The 5th Asia-Pacific Primary Liver Cancer Expert Meeting \(APPLE 2014\): Current Practice and Future Clinical Trials](#). Liver Cancer. 2016 Jul;5(3):162-74.
100. Seo hee Choi, Joong Yeol Woo, Jinsil Seong. Selection of Proper Modality in Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma. J Liver Cancer 2017;17:45-53.
101. Seo hee Choi, Jinsil Seong. Strategic Application of Radiotherapy for Hepatocellular Carcinoma. Clin Mol Hepatol 2018 –E-pub

## **SCI(E)-listed Journals**

1. Kim GE, Shin HS, Seong J, Loh JJK, Suh CO, Lee JT, Roh JK, Kim BS, Kim WH, Kim MW, Min JS. The role of radiation therapy in management of extrahepatic biliary metastasis from gastric carcinoma. Int J Radiat Oncol Biol Phys 1994;28:711-717.
2. Seong J, Suh CO, Kim GE. Adaptive response to ionizing radiation induced by low doses of gamma rays in human cell lines. Int J Radiat Oncol Biol Phys 1995;33(4):869-874.
3. Seong J, Milross CG, Hunter NR, Shin HC, Milas L. Potentiation of antitumor efficacy of paclitaxel by recombinant tumor necrosis factor-alpha. Anticancer Drug 1997;8:80-87.
4. Milross CG, Mason KA, Hunter NR, Terry NHA, Patel N, Harada S, Jibu T, Seong J, Milas L. Enhanced radioresponse of paclitaxel-sensitive and resistant tumors in vivo. Eur J Cancer 1997;33:1299-1308
5. Kim GE, Lim JH, Park W, Park HC, Chung EJ, Seong J, Suh CO, Lee YC, Park HJ.. Senosry



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Jinhyun Choi, Eun Jung Lee, Seung Hyun Yang, Yoo Ri Im, Jinsil Seong. A prospective phase II study for the efficacy of radiotherapy in combination with zoledronic acid in treating painful bone metastasis from gastrointestinal cancers. *J Rad Res e-pub*, 2018

Chai Hong Rim, Sangjoon Park, Joong Yeil Woo, Jinsil Seong. Compensatory hypertrophy of the liver after external beam radiotherapy for primary liver cancer. *Strahlenther Onkol* 194;1017-29, 2018

## **Book Chapters**

1. Seong J. Radiotherapy of gastric cancer. In: Kim JB editor. Gastric cancer. Seoul Korea: Medical Publishing; 1999, p.265-73.
2. Seong J. Radiotherapy for pancreatic cancer. In: Chung JB editor. Pancreatic cancer. Seoul Korea: Koonjs publishing; 2006, p.181-91.
3. Seong J. Radiotherapy of cholangiocarcinoma. In: Chung JB & Korean society of pancreatobiliary disease, editors. Cholangiocarcinoma. Seoul Korea: Koonja publishing; 2009
4. Alaa I, Dawson L, Imai R, Krishnan S, Ng I, Salminen E, Seong J, Stevens G (in the order of alphabet). Trends and practices in diagnosis and treatment of hepatocellular carcinoma. IAEA human health series No. 10, Vienna, International Atomic Energy Agency 2010
5. Yoon YB, Kim SH, Kim YH, Seong J. Pancreatic cancer. In: Park JG, Banj YJ, Ha SW editors. Oncology 2<sup>nd</sup> ed. Seoul Korea: Iljogak; 2012, p.313-38.
6. Lee IJ, Seong J. Use of branched chain amino acids during radiotherapy. In: Rajendram R, Preedy VR, Patel VB. Editors. Branched chain amino acids in clinical nutrition vol 2. New York, NY: Human Press; 2015, p.289-98.
7. Choi JH, Seong J. Radiation therapy. In: Sun-Whe Kim, Hiroki Yamaue Editors. Pancreatic cancer. Springer-Verlag Berlin Heidelberg 2017, p 421-436
8. Lee IJ, Seong J. Evaluation of effect of neoadjuvant therapy using positron emission tomography. In; Hiroki Yamaue, Sun-Whe Kim Editors. Innovation of diagnosis and treatment for pancreatic cancer. Springer-Verlag Berlin Heidelberg 2017, p 45-58
9. Choi JH, Seong J. Radiation therapy. In: Dong Ki Lee, Don Hang Lee, Seung Woo Park Editors. Pancreatology. Kun-Ja publishers 2018, p527-545

## **Patents**

1. 2016.8.19. Patent No. 10-1651171. A novel liver cancer therapeutic complex using IL-12 expressing mesenchymal stem cell. Jinsil Seong

## **Invited Talks**

1. 1999.11.17-19 Yokohama, Japan, International Symposium of Future Development on Radiation Oncology, Combined transcatheter arterial chemoembolization and local radiotherapy of unresectable hepatocellular carcinoma
2. 1999.4.11 Daegu, Korea, International Symposium for 2000-International Congress of Hyperthermic Oncology, Preoperative concurrent chemoradiotherapy for locally advanced rectal cancer



3. 2000.7.1 Seoul, Korea, Yonsei International Radiation Oncology Symposium, 3-D conformal therapy in hepatoma
4. 2000.8.26, Seoul, Korea, The 2<sup>nd</sup> Annual Symposium of Korean Liver Cancer Study Group
4. 2002.11.16 International symposium 2002: Molecular targeting in chemoradiotherapy, Chemoradiotherapy in gastrointestinal cancers
5. 2002.6.20-21 Seoul, Korea, The 28<sup>th</sup> Annual Meeting of Korean Association, Biological basis of chemoradiotherapy in cancer treatment
6. 2002.10.31-11.2 The 54<sup>th</sup> Annual meeting of Korean Society of Surgery, A new approach of radiotherapy in cancer treatment
7. 2002.7.13 Seoul, Korea, The 5<sup>th</sup> Annual Symposium of Korean Liver Cancer Study Group, A role of radiotherapy in locally advanced and metastatic hepatocellular carcinoma
8. 2003.2.8 Seoul, Korea, The Annual Symposium of Korean Liver Cancer Study Group, A guideline in radiotherapy of hepatocellular carcinoma
9. 2003.6.7 Seoul, Korea, Yonsei Colorectal Cancer Research Meeting Symposium, Radiotherapy for liver metastasis from colorectal cancers
10. 2003.10.16 Philadelphia, USA, Radiation Oncology Seminar in University of Pennsylvania, Philadelphia, Role of radiotherapy in management of hepatic tumors: clinical results and translational research
11. 2003.11.16-19, Seoul, Korea, 6th International conference of Asian Clinical Oncology Society, Chemoradiotherapy in hepatocellular carcinoma
12. 2003.11.21-23 2003, Jeju, Korea, International conference of science and technology, Early report of randomized trial comparing transarterial chemoembolization (TACE) alone vs. TACE plus radiotherapy on hepatocellular carcinoma larger than 3cm
13. 2003.11.6, Daejeon, Korea, Annual meeting of Korean Association of Radiation Protection, Translational Research in Radiation Oncology
14. 2004. 3.19 Houston, U.S.A., M.D. Anderson cancer Center Radiation Oncology Seminar, Role of radiotherapy in management of hepatic tumors-from bench to the clinic again
15. 2004. 4.17, Seoul, Korea, Annual symposium of Korean Study Group of Pancreatico-biliary disease, Role of radiotherapy in gall bladder carcinoma
16. 2004. 6.12 Seoul, Korea, Yonsei International Hepatoma Symposium, Role of radiotherapy in locally advanced hepatocellular carcinoma
17. 2004.10.15 Seoul, Korea, Korean Liver Cancer Study Group Seminar, Innovative Radiotherapy in Hepatocellular Carcinoma
18. 2004. 10.22 Seoul, Korea, Annual Meeting of Korean Society of Radiology, Role of radiotherapy in locally advanced hepatocellular carcinoma



19. 2004.11.12 Seoul, Korea, Yonsei Cancer Center 35<sup>th</sup> Anniversary Memorial Symposium, Role of radiotherapy in locally advanced hepatocellular carcinoma
20. 2004. 11.18 Seoul, Korea, Annual Meeting of Korean Gastrointestinal Disease Society, Therapeutic challenges in extrahepatic metastasis of hepatocellular carcinoma; the effect of radiotherapy
21. 2004.12.03 Seoul, Korea, Annual meeting of Korean Society of radiation Bioscience, Radioproteomics of Animal Model in Molecular Targeting
22. 2005.06.09-10, Beijing, China, Annual Meeting of Chinese Society of Radiation Protection, Normal tissue toxicity in radiotherapy for cancers
23. 2005.10.12 Houston, U.S.A., MD Anderson Grand Round Seminar, Determination of optimal radiotherapy in management of locally advanced liver cancer
24. 2005.7.9 Seoul, Korea, International Symposium of Yonsei Liver cancer Special clinic, What is optimal indication in radiotherapy for hepatocellular carcinoma?
25. 2005.11.22 Seoul, Korea, Single Topic Symposium of Korean Pancreatico-biliary Disease Study Group, Radiotherapy of biliary cancers
26. 2006.03.04 Seoul, Korea, Annual Meeting of Korea-Japan Radiation Technologists, Recent development in radiotherapy of hepatocellular carcinoma
27. 2006.3.25 Hong Kong, China, The First Lui Hac Minh Symposium Advanced Radiation Technology for Liver Cancer, Molecular Markers for Hepatic Toxicity by Radiation
28. 2006.03.25 Hong Kong, China, The First Lui Hac Minh Symposium Advanced Radiation Technology for Liver Cancer, Determination of optimal Radiotherapy in Management of Locally Advanced Liver Cancer
29. 2006.04.14 Kwangju, Korea, Whasoon Hospital Symposium, Optimization of precision radiotherapy in hepatocellular carcinoma
30. 2006.05.19 Seoul, Korea, 2006 Yonsei International Radiation Oncology Symposium, Application of high precision RT in HCC
31. 2006.6.17 Seoul, Korea, Pancreatico-biliary Cancers Clinic Symposium, Optimum Treatment for Locally Advanced Pancreatic Cancer
32. 2006.10.12 Daejun, Korea, Annual Symposium of Cancer Research Institute of Chungnam National University
33. 2006.12.04-8 Bangkok, Thailand, International IAEA symposium, Colorectal cancer
34. 2006.12.04-8 Bangkok, Thailand, International IAEA symposium, Tomotherapy
35. 2007.01.13 Houston, U.S.A., Hepatocellular carcinoma; Eastern & Western experiences, Combination of radiotherapy with other therapies; Eastern experience
36. 2007.03.29 Kyoto, Japan, 17th Asian Pacific Association of Study of Liver Conference, Effect of oral supplementation with BCAA during radiotherapy in patients with liver tumor



37. 2007.04.13 Seoul, Korea, 2007 Yonsei International Radiation Oncology Symposium, Tomotherapy in upper abdominal tumors
38. 2007.05.11 Jeju, Korea, 2007 Annual Symposium of Korean Society of Radiation Oncology, Clinical application of tomotherapy
39. 2007.05.19 Seoul, Korea, The 3rd Severance-MD Anderson Cancer Center Joint Symposium, Use of murine tumor model in development of combined therapeutic strategy overcoming radioresistance
40. 2007.06.06 Houston, U.S.A., The Methodist Hospital/Baylor College of Medicine Radiation Oncology Seminar, Challenge and Hope in radiotherapy of hepatocellular carcinoma
41. 2007.06.07 Houston, U.S.A., 3rd annual UT MD Anderson Cancer Center Sister Institution Conference, Precision radiotherapy using helical tomotherapy
42. 2007.09.01 Seoul, Korea, International symposium on radiation physics and radiation oncology, Precision radiotherapy using helical tomotherapy
43. 2007.09.06 Seoul, Korea, 2007 KFDA International workshop, Tomotherapy in radiation oncology
44. 2007.09.13 Daegu, Korea, Monthly seminar in Daegu-Kyungbook branch of Korean Society of Radiation Oncology, Tomotherapy
45. 2007.10.20, Seoul, Korea, Korea-Japan Single topic Symposium, Role of radiotherapy for pancreatic cancer
46. 2007.11.08 Seoul, Korea, NCCN-Korea cancer guideline meeting; Colon cancer, NCCN-Korea cancer guideline in radiotherapy of Colon cancer
47. 2008.1.12 Kurume, Japan, the 1<sup>st</sup> Korea-Japan liver cancer conference, Radiotherapy of hepatocellular carcinoma; challenge and hope
48. 2008.01.25 Orlando, U.S.A., Gastrointestinal Cancers Symposium of American Society of Clinical Oncology, Chemoradiation Therapy for Liver Tumors; Asian Perspective
49. 2008.02.23 Hong Kong, China, Asian Pacific Tomotherapy Symposium, Clinical application of tomotherapy
50. 2008.3.14 Seoul, Korea, 2008 Symposium of Liver Cancer Center in National Cancer Center, Radiotherapy of liver cancer
51. 2008.3.18 Seoul, Korea, Kyunghee University Seminar, Radiotherapy of hepatocellular carcinoma using tomotherapy
52. 2008.03.23 Seoul, Korea, Annual Meeting of Asian Pacific Study of Liver Disease, Promise and pitfall in radiotherapy of liver cancer
53. 2008.05.16 Daegu, Korea, Annual meeting of Korean Association of Study of Liver, Tomotherapy of hepatocellular carcinoma





54. 2008.06.12 Seoul, Korea, Annual meeting of Korean Cancer Association, Role of radiotherapy in hepatocellular carcinoma
55. 2008.06.28 Seoul, Korea, Annual meeting of Korean Society of Liver Cancer Study, Radiation therapy for advanced HCC with portal vein thrombosis
56. 2008.10.17 Seoul, Korea, Cancer Forum, Issues and solutions in application of radiotherapy
57. 2008.10.23 Vienna, Austria, Consultants' Meeting on Development of Guidelines for the Palliative Management of Common Cancers Using Radiotherapy in Limited Resource Setting; Liver cancer, Liver Cancer in Asia
58. 2008.11.01 Nagoya, Japan, Japanese Society of Clinical Oncology, Challenge and Hope in Radiotherapy of pancreatic Cancer
59. 2008.12.07 Bali, Indonesia, Asia Pacific Association of Study of Liver-single topic symposium, Precision radiotherapy of hepatocellular carcinoma
60. 2008.12.09 Seoul, Korea, 6<sup>th</sup> International meeting of hepatocellular carcinoma, Eastern and Western Experience, Radiotherapy of HCC with portal vein thrombosis
61. 2008.12.27 Taipei, Taiwan, International symposium of radiotherapy, Radiotherapy of HCC using Tomotherapy
62. 2009.06.13 Seoul, Korea, The 4th Anniversary Symposium of Yonsei Liver Cancer Special Clinic, Challenge and hope in radiotherapy of hepatocellular carcinoma
63. 2009.07.11 Busan, Korea, 2009 annual symposium of Dong-Ah University Center for Gastrointestinal disease, Radiotherapy of HCC: challenge and hope
64. 2009.08.28-29 Taipei, Taiwan, World Congress on Gastrointestinal Cancer: Asian Perspectives, Radiotherapy of Hepatocellular Carcinoma-Challenge and Hope
65. 2009.09.10-12 Seoul, Korea, 2009 Seoul International Liver Symposium, Locoreginal therapy for hepatocellular carcinoma
66. 2009.10.08-09 Seoul, Korea, 5th Trilateral symposium, Hypofractionated Radiotherapy in Upper Abdominal Tumors
67. 2009.11.14 Seoul, Korea, 2009 annual meeting of Korean Society of Hepatopancreatobiliary Surgery, A new management guideline for hepatocellular carcinoma; radiotherapy of hepatocellular carcinoma
68. 2010.01.23 Kurume, Japan, the 3<sup>rd</sup> Korea Japan Liver Cancer Conference, Radiotherapy of Locally advanced HCC
69. 2010.03.28 Beijing, China, 20th Conference of the Asia Pacific Association of Study of Liver, The role of radiotherapy in liver cancer
70. 2010.04.09 Kwangju, Korea, Whasoon Hospital Symposium, Practical issues in tomotherapy of hepato-pancreatic tumors



71. 2010.05.02 New Deli, India, National workshop on liver cancer 2010, Challenge and hope in radiotherapy of hepatocellular carcinoma
72. 2010.06.01 Seoul, Korea, 9th Asia Pacific Congress of Cardiovascular Interventional Radiology, External beam radiotherapy of hepatocellular carcinoma
73. 2010.07.03-4 Incheon, Korea, 1st Asia-Pacific Primary Liver Cancer Expert meeting, multidisciplinary approach using radiotherapy
74. 2010.08.26 Hong Kong, China, World congress of gastrointestinal cancers; Asian perspectives, multidisciplinary approach using radiotherapy in locally advanced HCC
75. 2010.09.25 Bangkok, Thailand, Annual Meeting of Thailand Radiation Oncology Society, Challenge and hope in radiotherapy of HCC
76. 2011.02.17 Wonju, Korea, Tomotherapy Symposium, Clinical Challenges in Application of Helical Tomotherapy for Gastrointestinal Cancers
77. 2011.02.18 Seoul, Korea, Annual Radiation Oncology Symposium; Recent issues in Radiation Oncology, Hurdles in radiotherapy of hepatocellular carcinoma and how to overcome
78. 2011.07.01-03 Osaka, Japan, The 2nd Asia-Pacific Primary Liver Cancer Expert Meeting, Indication of radiotherapy of HCC based on BCLC treatment guideline and more
79. 2011.08.26 Seoul, World Congress on Gastrointestinal Cancer: Asian Perspectives, Radiotherapy techniques in Hepatocellular carcinoma
80. 2011.10.08 Seoul, Korea, The 19<sup>th</sup> Annual Symposium of Yonsei University Research Institute of Gastrointestinal Disease, Evolution of Radiotherapy technology in GI Cancers
81. 2011.11.17 Seoul, Korea, Annual Symposium of Korean Cancer Association, New radiation modality; Tomotherapy
82. 2011.12.01-03 Jeju, Korea, Single Topic Symposium of Asia Pacific Association of Study of Liver, Critical appraisal of radiation therapy technology
83. 2012.01.14, Kurume, Japan, 5th Korea-Japan liver cancer meeting, Radiotherapy of hepatocellular carcinoma; when and how.
84. 2012.01.19-21 Seoul, Korea, 2012 Consensus Conference in Korean Association of Clinical Oncology, The role of radiotherapy in hepatocellular carcinoma
85. 2012.02.22 Seoul, Korea, 4th Tomotherapy Symposium, Concurrent chemoradiotherapy for locally advanced pancreatic cancer; Opening a window for hope.
86. 2012.03.28 Chiangmai, Thailand, Chiangmai university International symposium, Tomotherapy in Yonsei University
87. 2012.03.30 Phukett, Thailand, International Symposium of Thailand Radiation Oncology Society, Tackling frustrating cancer with Tomotherapy



88. 2012.06.14, Seoul, Korea, The 10th International Conference of the Asian Clinical Oncology Society, Selection of radiotherapy technology in hepatocellular carcinoma
89. 2012.06.29 Malaka, Malaysia, GUT 2012, Innovative role of radiotherapy in treatment of hepatocellular carcinoma
90. 2012.07.6-8 Shanghai, China, 3rd Asia-Pacific Primary Liver Cancer Expert Meeting, Radiotherapy technologies for hepatocellular carcinoma
91. 2012.07.6-8 Shanghai, China, 3rd Asia-Pacific Primary Liver Cancer Expert Meeting, Radiotherapeutic strategy according to BCLC stages in hepatocellular carcinoma
92. 2012.08.17 Shanghai, China, World Congress on Gastrointestinal Cancers-Asian Perspectives, Radiotherapy technologies for hepatocellular carcinoma
93. 2012.11.7-9 Hong Kong, China, International Cancer Conference, Clinical benefit of tomotherapy in liver tumor
94. 2012.11.7-9 Hong Kong, China, International Cancer Conference, Tackling frustrating cancer with tomotherapy; concurrent chemo-Tomotherapy for locally advanced pancreatic cancer
95. 2012.11.30 Seoul, Korea, International Symposium of Korean Society of Radiation Bioscience society, Tumor microenvironment and radiotherapy
96. 2012.1.26 Jakarta, Indonesia, Liver-GI Fair. Radiotherapeutic strategy according to BCLC stages in hepatocellular carcinoma
97. 2012.1.27 Jakarta, Indonesia, Liver-GI Fair. External Beam Radiotherapy in hepatocellular carcinoma
98. 2012.2.2. San Paulo, Brazil. Primary Liver cancer Joint Meeting-Brazil and Korea. Multimodal approach combining radiation therapy beyond standard therapy in hepatocellular carcinoma.
99. 2013.4.20. Seoul, Korea. Asan medical Center Asan Liver Center 3<sup>rd</sup> Symposium. Role of radiotherapy according to BCLC staging in the management of hepatocellular carcinoma
100. 2013.5.31. Seoul, Korea. AERO Liver Round table meeting. Research direction and collaboration in radiotherapy of hepatocellular carcinoma
101. 2013. 7.5~7. Busan, Korea. 4<sup>th</sup> Asian Pacific Primary Liver cancer Expert (APPLE) Meeting. Innovative targeted radiotherapy for hepatocellular carcinoma
102. 2013.7.6. Osaka, Japan. Japan Society of Interventional Radiology and Gastroenterology,. Radiotherapeutic strategy according to BCLC staging.
103. 2013. 8.12. Calgary, Canada, Medical Grand Round, Calgary University Medical Center. Application of Radiotherapy in Liver Cancer.
104. 2013.9.11. New York, USA, Radiation Oncology Grand Round, Albert Einstein Medical Center, Where are we in applying radiotherapy in hepatocellular carcinoma?



105. 2013.11.8 International Atomic Energy Agency, Vienna, Austria. Radiotherapy for Liver Cancer; Better Use of Radiotherapy for Better Health Outcome.
106. 2014.1.3. Oxford university, oxford, UK, Department of Oncology Research Seminar. Modulation of tumor microenvironment in cancer radiotherapy.
107. 2014.3.26. the 11<sup>th</sup> World Congress of the International Hepato-Pancreato-Biliary Association. Seoul, Korea. External beam radiotherapy for hepatocellular carcinoma; Where are we now?
108. 2014.5.2. Global Academic Programs 2014-International Congress of MD. Anderson and its sister institutions. Seoul, Korea. Multimodality management for locally advanced BCLC stage C hepatocellular carcinoma.
109. 2014. 5.28. Special Workshop in Women In Korea. Jeju, Korea. Lessons from Fukushima accident.
110. 2014.5.6-8. International Kyoto Liver Symposium. Kyoto, Japan. Radiotherapy for advanced but liver confined hepatocellular carcinoma.
111. 2014.5.6-8. International Kyoto Liver Symposium. Kyoto, Japan. Targeted radiotherapy for hepatocellular carcinoma.
112. 2014.6.14. Liver week 2014, Jeju Korea. Overview of technical advances in radiotherapy of hepatocellular carcinoma.
113. 2014.7.11-13. Asia Pacific Primary Liver cancer Expert meeting 2014. Taipei, Taiwan, Radiotherapy, will have a place in guideline?
114. 2014.7.11-13. Asia Pacific Primary Liver cancer Expert meeting 2014. Taipei, Taiwan, Summary report of consensus committee; Radiotherapy of hepatocellular carcinoma.
115. 2014.8.29-30. The Korea-Japan Pancreatobiliary Collaborative Multicenter Symposium, Seoul, Korea. How to maximize therapeutic ratio of chemoradiotherapy in pancreas carcinoma; radiation oncologist's perspectives.
116. 2014.10.4-5. Taiwan Digestive Disease Week2014, Kaohsiung, Taiwan. multimodality management for locally advanced BCLC stage-C hepatocellular carcinoma
117. 2014.10.10-11. Korean Congress of Radiology, KCR2014, Seoul, Korea. Radiotherapeutic strategies in management of hepatocellular carcinoma.
118. 2014.10.21-23, WIN-global, Sydney, Australia. Technical advances in radiotherapy of cancer; an example of liver cancer.
119. 2014.12.5, Korean Society of Radiobiology, Seoul, Korea. Radiation induced alteration of tumor microenvironment.
120. 2014.12.20-21, International pancreas cancer Conference, Wakayama, Japan. How to maximize therapeutic ratio of chemoradiotherapy in pancreas carcinoma; radiation oncologist's perspectives

121. 2015.5.25-29, International Congress of Radiation Research, Kyoto, Japan. Serum IL-6 as a Prognosis Predictor in Patients Treated with Radiotherapy for Hepatocellular Carcinoma
122. 2015.6.18-20. Liver Week 2015, Busan, Korea. Radiation Therapy in HCC: implications from Korean Multicenter Registry Study.
123. 2015.7.3-5, Asia Pacific Primary Liver Cancer Expert Meeting 2015, Osaka, Japan. Current status of radiotherapy in hepatocellular carcinoma and how to maximize therapeutic response.
124. 2015.8.24-28, WIN-Global 2015, Vienna, Austria. Unmet needs in cancer radiotherapy in low to middle income countries
125. 2015.8.24. Gastroenterology seminar, Vienna general Hospital, Vienna, Austria; Radiotherapy in hepatocellular carcinoma
126. 2015.9.9-12, KCR2015, Seoul, Korea. Radiotherapeutic Strategies in Management of Hepatocellular Carcinoma
127. 2015.10.2-3, SGI 2015, Seoul, Korea. Optimal Treatment of HCC with PV invasion; Role of external beam radiotherapy.
128. 2015.11.20. Annual Fall Symposium of Korean Cancer Association 2015, Seoul, Korea. Inflammatory cytokines as biomarkers predicting and modifying therapeutic outcome of radiotherapy in locally advanced hepatocellular carcinoma.
129. 2016.1.30. Recent update in radiation oncology2015, Seoul, Korea. Radiotherapy for gastrointestinal cancers
130. 2016.2.19-20. Yonsei Liver Center International symposium. Seoul, Korea. Maximizing the outcome of radiotherapy in locally advanced hepatocellular carcinoma
131. 2016.4.8. Asian Clinical Oncology Congress 2016. Delhi, India. Non-operative strategies for HCC: TACE, TARE, RFA, RT.
132. 2016. 4.10. Asia Pacific Association of Study of Liver Single Topic Symposium. Busan, Korea. Recent progress in radiotherapy
133. 2016.5.21. Chinese Society of Clinical Oncology HCC summit. Shanghai, China. Liver-directed therapy combining hepatic arterial infusion chemotherapy and local radiotherapy for locally advanced HCC.
134. 2016.6.17-18. Korean Cancer Association Annual Meeting, Seoul, Korea. Radiotherapeutic Strategies in Management of Hepatocellular Carcinoma
135. 2016.7.8-10. Asia pacific primary liver cancer expert congress, Hong Kong, China. Stereotactic radiotherapy of hepatocellular carcinoma(state of the art lecture)
136. 2016.10.15. Shanghai international forum of liver cancer with PVTT, Shanghai, China. Radiotherapeutic strategies for hepatocellular carcinoma with portal vein tumor thrombosis
137. 2016.10.18. Liver cancer topic academy, Seoul, Korea. SBRT in HCC; clinical outcome and potential as immunoradiotherapy



138. 2016.12.2. Annual Meeting of Korean Society of Radiation Bioscience. Seoul, Korea.  
Cancer Radiotherapy in the era of immunooncology.
139. 2016.12.9. Asian Liver radiation therapy special interest group meeting, Shanghai, China.  
How to initiate research collaboration by SIG.
140. 2016.12.16-19. European Society of Medical Oncology, Asian Perspectives. New  
development in locoregional therapy in hepatocellular carcinoma
141. 2017.2.18. Annual meeting of Asia Pacific Association of Study of Liver, Shanghai, China.  
Current and future of radiotherapy in the treatment of HCC
142. 2017.5.20. Hong Kong International Cancer Forum, Hong Kong, China. Advances in SBRT  
of HCC
143. 2017.5.21. Hong Kong-Shenzhen international cancer forum, Shenzhen, China. SBRT of  
HCC.
144. 2017.6.16-18. Asia Pacific Association of Study of Liver single topic conference, Ulanbataar,  
Mongolia. Recent progress in radiotherapy of HCC.
145. 2017. 6.23. The 24<sup>th</sup> Asia Pacific Cancer Conference, Seoul, Korea. Cancer prevention and  
treatment in Korea
146. 2017. 6.23-24. The liver week 2017. Incheon, Korea. Liver directed concurrent  
chemoradiotherapy in locally advanced HCC.
147. 2017. 7.6-7. Annual Meeting of Japanese Liver Cancer Study Group. Significance of  
radiotherapy for liver cancer
148. 2017. 7.14-16. Asia Pacific Primary Liver Cancer Expert meeting 2018, Singapore, Liver  
hypertrophy by radiotherapy, Consensus workshop-radiation.
149. 2017.9.15-17. International Liver Cancer Association Annual meetingm Seoul, Korea,  
Innovation in radiotherapy on hepatocellular carcinoma.
150. 2017.9.23-26. Asia Pacific Digestive Week Annual Meeting, Hong Kong. Role of  
radiotherapy for cholangiocarcinoma.
151. 2017.11.3. Annual meeting of Korean Pathology Society, Seoul, Korea. Cancer radiotherapy  
in the era of immunooncology.
152. 2018.1.13. Yonsei Institute of Gastroenterology Symposium. Seoul, Korea. Combination of  
radiotherapy and immune check point inhibitor; enhancing efficacy and beyond
153. 2018.1.18-20. ASCO Gastrointestinal cancers symposium, San Francisco, USA. Stereotactic  
Body Radiotherapy: What Role Does Focal Radiotherapy Play for Hepatocellular  
Carcinoma?
154. 2018.2.17. 5<sup>th</sup> GI and liver international meeting, Yangon, Myanmar. Role of radio-  
interventions in management of HCC.



155. 2018.2.20-22. Asian Clinical Oncology Society, Chiangmai, Thailand. Multidisciplinary approach for locally advanced pancreatic cancer; Can we improve treatment outcome by radiotherapy?
156. 2018.4.21. Korean Liver Cancer Association- Liver Cancer School. Chunchun Korea; Evolving Roles of Radiotherapy in HCC.
157. 2018.4.27-28. Annual Meeting of Philippines Radiation Oncology Society, Manila, Philippines.; SBRT for liver cancer
158. 2018.5.11. Asian Pacific Association for the Study of the Liver Single Topic Conference. HCC; Strategy in the new era. Yokohama, Japan; Does radiation therapy have a role in HCC with vascular invasion?
159. 2018.5.14-17. Global Academic Program 2018, Stockholm, Sweden; Stereotactic radiotherapy vs. RF ablation for hepatocellular Ca: Propensity Score Matching Analysis
160. 2018. 7.4-6. Annual Meeting of Asia Pacific Primary Liver cancer Expert (APPLE) Association, Seoul, Korea. Application of radiotherapy to maximize patients benefit(?)
161. 2018. 9.6-8. 3rd FARO Scientific Meeting, Bali, Indonesia. Overview of SABR in HCC management based on BCLC staging system.
162. 2018. 11.2-4. Beijing liver cancer international conference, Beijing, China. What role dose radiotherapy have for hepatocellular carcinoma
- 163.2018.11.23-25. European Society for Medical Oncology in Asia, Singapore. Role of external beam radiotherapy evidence and comparison with other local treatment