

# Curriculum Vitae

## Hyung Seok Park, MD, PhD

Prof. Park is a breast surgeon and surgical oncologist currently working as a Professor in the Department of Surgery at Yonsei University College of Medicine.

He is one of the pioneers in robot mastectomy. He began performing the robotic mastectomy using cadaveric samples in 2013. He performed the first human case of a robot mastectomy in Asia in 2016. He developed a gasless technique of robot mastectomy and was the first to publish a paper describing it. He also performed the first robot mastectomy and robotic axillary lymph node dissection using the new da Vinci SP system in 2018 and 2019, respectively. He is actively applying robotic surgical systems in mastectomy and/or axillary lymph node dissection for women with breast cancer or BRCA1/2 mutations. He is one of the high-volume surgeons in his country performing over 500 breast surgeries in 2018. His team at Severance Hospital performed over 200 cumulative cases of robotic mastectomy in 2020.

He is actively participating in the clinical trial group of the Korean Breast Cancer Society. He established the Korea Robot-Endoscopy & Minimal Access Breast Surgery Study Group (KoREa-BSG) and the director of general affairs of the group. He has published over 70 scientific articles in the literature, conducted numerous lectures as an invited speaker in many scientific conferences, and he wrote several chapters of a textbook of breast oncology in Korea. His research interests include robot breast surgery, oncoplastic breast surgery, surgical oncology, minimally invasive surgery, endocrine surgery, biostatistics, preclinical models, and genomics.

### Personal Data

Office address : 50-1 Yonsei-ro, Seodaemun-gu, Seoul 03722, Republic of Korea

Tel. : +82-2-2228-2100

E-mail : [hyungseokpark.md@gmail.com](mailto:hyungseokpark.md@gmail.com)

[imgenius@gmail.com](mailto:imgenius@gmail.com)

[imgenius@yuhs.ac](mailto:imgenius@yuhs.ac)

Website: <http://robotmastectomy.com>

<http://prohbot.com>

### Education

2018: Ph.D., Yonsei University College of Medicine

2005: Master of Science, Graduate School, Kosin University

2000: M.D., Kosin University College of Medicine

## **Professional Training and Employments**

- 2024 – Present: Professor, Division of Breast Surgery, Department of Surgery, Yonsei University College of Medicine, Seoul, Republic of Korea
- 2021 – 2024: Associate Professor, Division of Breast Surgery, Department of Surgery, Yonsei University College of Medicine, Seoul, Republic of Korea
2021. 2: Visiting Scholar, Department of Convergence Medicine, College of Medicine, University of Ulsan, Asan Medical Center, Seoul, Republic of Korea (PI: NamKug Kim, PhD, Research Subjects: Artificial intelligence and 3D printer)
- 2014 – Present: Member of the multi-disciplinary team of Hereditary Breast and Ovarian Cancer Clinic at Cancer Prevention Center, Yonsei Cancer Center
2019. 8 – 2020. 8: Chief of Division of Breast Surgery, Department of Surgery, Yonsei University College of Medicine, Seoul, Republic of Korea
- 2018 – 2021: Clinical Associate Professor, Division of Breast Surgery, Department of Surgery, Yonsei University, Seoul, Republic of Korea
- 2012 – 2017: Clinical Assistant Professor, Division of Breast Surgery, Department of Surgery, Yonsei University, Seoul, Republic of Korea
- 2011 – 2012: Clinical Fellow, Division of Breast and Endocrine Surgery, Department of Surgery, Seoul St. Mary Hospital and The Catholic University of Korea College of Medicine, Seoul, Republic of Korea
- 2009 – 2011: Clinical and Research Fellow, Division of Breast Surgery, Department of Surgery, Yonsei University, Seoul, Republic of Korea
- 2008 – 2009: Attending Surgeon, Busan Mirae Breast Clinic, Busan, Republic of Korea
- 2007 – 2008: Attending Surgeon, Busan Veterans Hospital, Busan, Republic of Korea
- 2005 – 2007: Surgeon, Medical advisor, Busan medical information center, Busan National University Hospital and the Ministry of Health and Welfare, Republic of Korea
- 2005 – 2008: Public Health Doctor as a military service, the Ministry of Health and Welfare, Republic of Korea
2005. 2 – Board-certified surgeon, Republic of Korea
- 2001 – 2005: Residency of Surgery, Kosin University Gospel Hospital, Busan, Republic of Korea
- 2000 – 2001: Internship, Kosin University Gospel Hospital, Busan, Republic of Korea

## **Research and Surgical Area**

Robotic breast and axillary surgery

Surgical oncology: breast cancer surgery, oncoplastic surgery, robotic surgery, endoscopic surgery, cancer treatment, endocrine therapy, chemotherapy, target therapy

General Surgery: benign breast surgery, emergency surgery including appendectomy, laparotomy, bowel resection

Genomics: hereditary breast & ovarian cancer syndrome, hereditary cancer syndrome, NGS, cancer panel, somatic mutations, homologous recombinant deficiency, pharmacogenomics

Biostatistics: medical statistics, regression, nomogram, machine learning, prediction models, deep learning, artificial intelligence

**Medical License No.** 70413 (Korea, Republic of)

## **GCP**

KGCP – 2016.11.09 / [on]-16-CRI-00010575  
2016.12.06 / SEV-CREDU-14-2016-2088  
2017.05.10 / SEV-CREDU-14-2017-3268  
2018.02.21/ SEV-CREDU-14-2018-5929  
2019.06.19/SEV-CREDU-14-2019-1157  
2020.01.22/SEV-CREDU-14-2020-0023  
2021.01.20/SEV-CREDU-14-2021-0016  
2021.02.25/SEV-CREDU-14-2021-0164  
2022.07.15/SEV-CREDU-14-2022-0914  
2023.08.29/SEV-CREDU-14-2023-1011

## **Published articles between 2009 and 2023**

Yoon KH, Lee SJ, Kim Y, Ahn JH, Kim JY, Park HS, Kim SI, Park S.

A simplified risk scoring system for predicting high-risk groups in gene expression tests for patients with estrogen receptor-positive, human epidermal growth factor receptor 2-negative, and node-positive breast cancer.

Ann Surg Treat Res. 2023 Dec;105(6):360-368. doi: 10.4174/astr.2023.105.6.360. Epub 2023 Nov 29.

PMID: 38076600

Lee SJ, Go J, Ahn BS, Ahn JH, Kim JY, Park HS, Kim SI, Park BW, Park S.

Lymphovascular invasion is an independent prognostic factor in breast cancer irrespective of axillary node metastasis and molecular subtypes.

Front Oncol. 2023 Nov 17;13:1269971. doi: 10.3389/fonc.2023.1269971. eCollection 2023.

PMID: 38053656

Go J, Ahn JH, Park JM, Choi SB, Kim JY, Park HS, Kim SI, Park BW, Park S.

Distinct Prognosis of Minimal Residual Disease According to Breast Cancer Subtype in Patients with Breast or Nodal Pathologic Complete Response After Neoadjuvant Chemotherapy.

Ann Surg Oncol. 2023 Nov;30(12):7060-7068. doi: 10.1245/s10434-023-13938-x. Epub 2023 Aug 3.

PMID: 37537485

Cho JH, Park JM, Park HS, Kim HJ, Shin DM, Kim JY, Park S, Kim SI, Park BW.

Oncologic Outcomes in Nipple-sparing Mastectomy with Immediate Reconstruction and

Total Mastectomy with Immediate Reconstruction in Women with Breast Cancer: A Machine-Learning Analysis.  
Ann Surg Oncol. 2023 Nov;30(12):7281-7290. doi: 10.1245/s10434-023-13963-w. Epub 2023 Aug 16.  
PMID: 37587360

Kim SG, Kim MH, Park S, Kim GM, Kim JH, Kim JY, Park HS, Park S, Park BW, Kim SI, Ji JH, Jeong J, Shin K, Lee J, Kim HD, Jung KH, Sohn J.  
Efficacy of Limited Dose Modifications for Palbociclib-Related Grade 3 Neutropenia in Hormone Receptor-Positive Metastatic Breast Cancer.  
Cancer Res Treat. 2023 Oct;55(4):1198-1209. doi: 10.4143/crt.2022.1543. Epub 2023 Apr 11.  
PMID: 37054718

Kim MH, Kim GM, Ahn JM, Ryu WJ, Kim SG, Kim JH, Kim TY, Han HJ, Kim JY, Park HS, Park S, Park BW, Kim SI, Jeong J, Lee J, Paik S, Kim S, Jung KH, Cho EH, Sohn J.  
Copy number aberrations in circulating tumor DNA enables prognosis prediction and molecular characterization of breast cancer.  
J Natl Cancer Inst. 2023 Sep 7;115(9):1036-1049. doi: 10.1093/jnci/djad080.  
PMID: 37166557

Kim JH, Toesca A, Pozzi G, Gazzetta G, Marrazzo E, Park HS.  
Controversies and strengths of robot-assisted mastectomy.  
Eur J Cancer Prev. 2023 Jul 1;32(4):388-390. doi: 10.1097/CEJ.0000000000000812. Epub 2023 Jun 7.  
PMID: 37302018

Kim S, Lee K, Alshahrani MA, Ahn JH, Lee J, Park HS.  
Frozen Sections in Decision-Making Regarding the Axillary Procedures in Breast Conserving Surgery for Intraductal Carcinoma at Preoperative Diagnosis.  
J Korean Med Sci. 2023 Jul 31;38(30):e224. doi: 10.3346/jkms.2023.38.e224.  
PMID: 37527907

Ryu JM, Lee J, Lee J, Ko B, Kim JH, Shin H, Park HS; Korea Robot-endoscopy Minimal Access Breast Surgery Study Group (KoREa-BSG).  
Mastectomy with Reconstruction Including Robotic Endoscopic Surgery (MARRES): a prospective cohort study of the Korea Robot-Endoscopy Minimal Access Breast Surgery Study Group (KoREa-BSG) and Korean Breast Cancer Study Group (KBCSG).  
BMC Cancer. 2023 Jun 21;23(1):571. doi: 10.1186/s12885-023-10978-0.  
PMID: 37344780

Ahn JH, Go J, Lee SJ, Kim JY, Park HS, Kim SI, Park BW, Park VY, Yoon JH, Kim MJ, Park S.  
Changes in Automated Mammographic Breast Density Can Predict Pathological Response After Neoadjuvant Chemotherapy in Breast Cancer.  
Korean J Radiol. 2023 May;24(5):384-394. doi: 10.3348/kjr.2022.0629.  
PMID: 37133209

Ahn JH, Park JM, Choi SB, Go J, Lee J, Kim JY, Park HS.

Early Experience of Robotic Axillary Lymph Node Dissection in Patients with Node-positive Breast Cancer.  
Breast Cancer Res Treat. 2023 Apr;198(3):405-412. doi: 10.1007/s10549-022-06760-8. Epub 2022 Nov 23.  
PMID: 36418519

Toesca A, Park HS, Ryu JM, Kim YJ, Lee J, Sangalli C, Maisonneuve P, Marrazzo E, Pozzi G, Gazzetta G, Montemurro F, Corso G, Lissidini G, Caldarella P, Mazzotta E, Massari G, Veronesi P.  
Robot-assisted mastectomy: next major advance in breast cancer surgery.  
Br J Surg. 2023 Mar 30;110(4):502-503. doi: 10.1093/bjs/znad006.  
PMID: 36708043

Kim CG, Kim MH, Kim JH, Kim SG, Kim GM, Kim TY, Ryu WJ, Kim JY, Park HS, Park S, Cho YU, Park BW, Kim SI, Jeong J, Sohn J.  
On-treatment derived neutrophil-to-lymphocyte ratio and survival with palbociclib and endocrine treatment: analysis of a multicenter retrospective cohort and the PALOMA-2/3 study with immune correlates.  
Breast Cancer Res. 2023 Jan 12;25(1):4. doi: 10.1186/s13058-022-01601-4.  
PMID: 36635767

Min J, Yu YW, Lee J, Yeon S, Park HN, Lee JS, Courneya KS, Park HS, Kim SI, Jeon JY.  
Application of the theory of planned behavior to understand physical activity intentions and behavior among Korean breast cancer survivors.  
Support Care Cancer. 2022 Nov;30(11):8885-8893. doi: 10.1007/s00520-022-07258-1. Epub 2022 Jul 6.  
PMID: 35792923

Park HS, Lee J, Lai HW, Park JM, Ryu JM, Lee JE, Kim JY, Marrazzo E, De Scalzi AM, Corso G, Montemurro F, Gazzetta G, Pozzi G, Toesca A.  
ASO Visual Abstract: Surgical and Oncologic Outcomes of Robotic and Conventional Nipple-Sparing Mastectomy with Immediate Reconstruction-International Multicenter Pooled Data Analysis.  
Ann Surg Oncol. 2022 Oct;29(11):6658-6659. doi: 10.1245/s10434-022-12075-1.  
PMID: 36018520

Park JS, Shin S, Lee YJ, Lee ST, Nam EJ, Han JW, Lee SH, Kim TI, Park HS.  
Implication and Influence of Multigene Panel Testing with Genetic Counseling in Korean Patients with BRCA1/2 Mutation-Negative Breast Cancer.  
Cancer Res Treat. 2022 Oct;54(4):1099-1110. doi: 10.4143/crt.2021.978. Epub 2021 Nov 17.  
PMID: 34793666

Lee J, Ku GY, Lee H, Park HS, Ku JS, Kim JY, Park S, Park BW.  
Lobular Carcinoma in Situ During Preoperative Biopsy and The Rate of Upgrade.  
Cancer Res Treat. 2022 Oct;54(4):1074-1080. doi: 10.4143/crt.2021.864. Epub 2021 Dec 21.

PMID: 34942684

Park HS, Lee J, Lai HW, Park JM, Ryu JM, Lee JE, Kim JY, Marrazzo E, De Scalzi AM, Corso G, Montemurro F, Gazzetta G, Pozzi G, Toesca A.

Surgical and Oncologic Outcomes of Robotic and Conventional Nipple-Sparing Mastectomy with Immediate Reconstruction: International Multicenter Pooled Data Analysis.

Ann Surg Oncol. 2022 Oct;29(11):6646-6657. doi: 10.1245/s10434-022-11865-x. Epub 2022 May 18.

PMID: 35583693

Go J, Ahn JH, Park JM, Choi SB, Lee J, Kim JY, Park HS.

Analysis of robot-assisted nipple-sparing mastectomy using the da Vinci SP system.

J Surg Oncol. 2022 Sep;126(3):417-424. doi: 10.1002/jso.26915. Epub 2022 May 27.

PMID: 35622078

Kim BK, Choi JE, Youn HJ, Park HS, Kim D, Oh SJ, Lee HJ, Lee J, Sun WY; Korean Breast Cancer Society.

Clinicopathological features and prognosis associated with breast cancer laterality: a nationwide study from the Korean Breast Cancer Society.

Ann Surg Treat Res. 2022 Sep;103(3):119-128. doi: 10.4174/astr.2022.103.3.119. Epub 2022 Sep 6.

PMID: 36128032

Lee MJ, Won J, Song SY, Park HS, Kim JY, Shin HJ, Kwon YI, Lee DW, Kim NY.

Clinical outcomes following robotic versus conventional DIEP flap in breast reconstruction: A retrospective matched study.

Front Oncol. 2022 Sep 14;12:989231. doi: 10.3389/fonc.2022.989231. eCollection 2022.

PMID: 36185209

Park HS, Lee J, Kim JY, Park JM, Kwon Y.

A Prospective Randomized Study to Compare Postoperative Drainage After Mastectomy Using Electrosurgical Bipolar Systems and Conventional Electro-Cautery.

J Breast Cancer. 2022 Aug;25(4):307-317. doi: 10.4048/jbc.2022.25.e29. Epub 2022 Jun 27.

PMID: 35914746

Park S, Ahn S, Kim JY, Kim J, Han HJ, Hwang D, Park J, Park HS, Park S, Kim GM, Sohn J, Jeong J, Song YU, Lee H, Kim SI.

Blood Test for Breast Cancer Screening through the Detection of Tumor-Associated Circulating Transcripts.

Int J Mol Sci. 2022 Aug 15;23(16):9140. doi: 10.3390/ijms23169140.

PMID: 36012405

Moon J, Park HS, Kim JY, Lee HS, Jeon S, Lee D, Bai SJ, Kim NY.

Analgesic Efficacies of Intraoperative Pectoralis Nerve II Block under Direct Vision in Patients Undergoing Robotic Nipple-Sparing Mastectomy with Immediate Breast Reconstruction: A Prospective, Randomized Controlled Study.

J Pers Med. 2022 Aug 12;12(8):1309. doi: 10.3390/jpm12081309.  
PMID: 36013257

Ryu JM, Kim JY, Choi HJ, Ko B, Kim J, Cho J, Lee MH, Choi JE, Kim JH, Lee J, Jung SM, Shin HJ, Lee J, Park HS.

Robot-assisted Nipple-sparing Mastectomy with Immediate Breast Reconstruction: An Initial Experience of the Korea Robot-Endoscopy Minimal Access Breast Surgery Study Group (KoREa-BSG).

Ann Surg. 2022 May 1;275(5):985-991. doi: 10.1097/SLA.0000000000004492. Epub 2020 Sep 15.

PMID: 32941285

Choi SB, Park JM, Ahn JH, Go J, Kim J, Park HS, Kim SI, Park BW, Park S.

Ki-67 and breast cancer prognosis: does it matter if Ki-67 level is examined using preoperative biopsy or postoperative specimen?

Breast Cancer Res Treat. 2022 Apr;192(2):343-352. doi: 10.1007/s10549-022-06519-1. Epub 2022 Jan 13.

PMID: 35025005

Jung JH, Jeon YR, Lee DW, Park HS, Lew DH, Roh TS, Song SY.

Initial report of extraperitoneal pedicle dissection in deep inferior epigastric perforator flap breast reconstruction using the da Vinci SP.

Arch Plast Surg. 2022 Jan;49(1):34-38. doi: 10.5999/aps.2021.00703. Epub 2022 Jan 15.

PMID: 35086306

Moon J, Lee J, Lee DW, Shin HJ, Lee S, Kang Y, Kim NY, Park HS.

Impact of Body Composition on Postoperative Outcomes in Patients Undergoing Robotic Nipple-Sparing Mastectomy with Immediate Breast Reconstruction.

Curr Oncol. 2022 Jan 13;29(1):350-359. doi: 10.3390/curreoncol29010031.

PMID: 35049705

Yoo TK, Kang YJ, Jeong J, Song JY, Kang SH, Lee HY, Kim ET, Yi O, Lee HB, Choi S, Park HS, Gwak G, Kim JI, Kim MK, Lee J, Kang HJ, Chae BJ.

A Randomized Controlled Trial for Doing vs. Omitting Intraoperative Frozen Section Biopsy for Resection Margin Status in Selected Patients Undergoing Breast-Conserving Surgery (OFF-MAP Trial).

J Breast Cancer. 2021 Dec;24(6):569-577. doi: 10.4048/jbc.2021.24.e51.

PMID: 34979601

Lee J, Kim JY, Bae SJ, Cho Y, Ji JH, Kim D, Ahn SG, Park HS, Park S, Kim SI, Park BW, Jeong J. The Impact of Post-Mastectomy Radiotherapy on Survival Outcomes in Breast Cancer Patients Who Underwent Neoadjuvant Chemotherapy.

Cancers (Basel). 2021 Dec 9;13(24):6205. doi: 10.3390/cancers13246205.

PMID: 34944827

Joo OY, Song SY, Lew DH, Park HS, Lee DW.

Robotic harvest of a latissimus dorsi flap using a single-port surgical robotic system in breast reconstruction.

Arch Plast Surg. 2021 Nov;48(6):577-582. doi: 10.5999/aps.2021.00710. Epub 2021 Nov 15.  
PMID: 34818702

Cha C, Ahn SG, Kim D, Lee J, Park S, Bae SJ, Kim JY, Park HS, Park S, Kim SI, Park BW, Jeong J.  
Axillary response according to neoadjuvant single or dual human epidermal growth factor receptor 2 (HER2) blockade in clinically node-positive, HER2-positive breast cancer. Int J Cancer. 2021 Oct 15;149(8):1585-1592. doi: 10.1002/ijc.33726. Epub 2021 Jul 8.  
PMID: 34213778

Ahn JH, Choi SB, Park JM, Kim JY, Park HS, Kim SI, Park BW, Park S.  
Level of Combined Estrogen and Progesterone Receptor Expression Determines the Eligibility for Adjuvant Endocrine Therapy in Breast Cancer Patients. Cancers (Basel). 2021 Oct 6;13(19):5007. doi: 10.3390/cancers13195007.  
PMID: 34638491

Lee J, Park HS, Lee DW, Song SY, Yu J, Ryu JM, Bae SJ, Lew DH, Kim SI, Toesca A.  
From cadaveric and animal studies to the clinical reality of robotic mastectomy: a feasibility report of training program. Sci Rep. 2021 Oct 26;11(1):21032. doi: 10.1038/s41598-021-00278-7.  
PMID: 34702866

Choi JH, Song SY, Park HS, Kim CH, Kim JY, Lew DH, Roh TS, Lee DW.  
Robotic DIEP Flap Harvest through a Totally Extraperitoneal Approach Using a Single-Port Surgical Robotic System. Plast Reconstr Surg. 2021 Aug 1;148(2):304-307. doi: 10.1097/PRS.00000000000008181.  
PMID: 34398082

Kim JH, Son NH, Lee JS, Mun JE, Kim JY, Park HS, Park S, Kim SI, Park BW.  
Time-Sequencing of the Neutrophil-to-Lymphocyte Ratio to Predict Prognosis of Triple-Negative Breast Cancer. Cancers (Basel). 2021 Jul 11;13(14):3472. doi: 10.3390/cancers13143472.  
PMID: 34298685

Bae SJ, Kim JH, Ahn SG, Jeung HC, Sohn J, Kim GM, Kim MH, Kim SI, Park S, Park HS, Kim JY, Jeong J.  
Real-World Clinical Outcomes of Biosimilar Trastuzumab (CT-P6) in HER2-Positive Early-Stage and Metastatic Breast Cancer. Front Oncol. 2021 Jun 4;11:689587. doi: 10.3389/fonc.2021.689587. eCollection 2021.  
PMID: 34150658

Kim S, Aceti M, Baroutsou V, Bürki N, Caiata-Zufferey M, Cattaneo M, Chappuis PO, Ciorba FM, Graffeo-Galbiati R, Heinzelmann-Schwarz V, Jeong J, Jung MM, Kim SW, Kim J, Lim MC, Ming C, Monnerat C, Park HS, Park SH, Pedrazzani CA, Rabaglio M, Ryu JM, Saccilotto R, Wieser S, Zürcher-Härdi U, Katapodi MC.  
Using a Tailored Digital Health Intervention for Family Communication and Cascade



Genetic Testing in Swiss and Korean Families With Hereditary Breast and Ovarian Cancer: Protocol for the DIALOGUE Study.

JMIR Res Protoc. 2021 Jun 11;10(6):e26264. doi: 10.2196/26264.

PMID: 34114954

Moon J, Lee J, Lee DW, Lee HS, Nam DJ, Kim MJ, Kim NY, Park HS.

Postoperative pain assessment of robotic nipple-sparing mastectomy with immediate prepectoral prosthesis breast reconstruction: a comparison with conventional nipple-sparing mastectomy.

Int J Med Sci. 2021 Apr 17;18(11):2409-2416. doi: 10.7150/ijms.56997. eCollection 2021.

PMID: 33967619

Kim JH, Park S, Park HS, Park JS, Lee ST, Kim SW, Lee JW, Lee MH, Park SK, Noh WC, Choi DH, Han W, Jung SH.

Analysis of BRCA1/2 variants of unknown significance in the prospective Korean Hereditary Breast Cancer study.

Sci Rep. 2021 Apr 19;11(1):8485. doi: 10.1038/s41598-021-87792-w.

PMID: 33875706

Lee H, Lee J, Lee K, Kim JY, Park HS.

Comparison between Gasless and Gas-Inflated Robot-Assisted Nipple-Sparing Mastectomy.

J Breast Cancer. 2021 Apr;24(2):183-195. doi: 10.4048/jbc.2021.24.e20.

PMID: 33913274

Lim SM, Kim E, Jung KH, Kim S, Koo JS, Kim SI, Park S, Park HS, Park BW, Cho YU, Kim JY, Paik S, Kwon NJ, Kim GM, Kim JH, Kim MH, Jeon MK, Kim S, Sohn J.

Genomic landscape of extraordinary responses in metastatic breast cancer.

Commun Biol. 2021 Apr 9;4(1):449. doi: 10.1038/s42003-021-01973-x.

PMID: 33837242

Joo OY, Song SY, Park HS, Roh TS.

Single-port robot-assisted prosthetic breast reconstruction with the da Vinci SP Surgical System: first clinical report.

Arch Plast Surg. 2021 Mar;48(2):194-198. doi: 10.5999/aps.2020.01557. Epub 2021 Mar 15.

PMID: 33765738

LEE J, CHA C, AHN SG, KIM D, PARK S, BAE SJ, KIM J, PARK HS, PARK S, KIM SI, PARK BW, JEONG J.

Author Correction: Validation of Clinical Treatment Score post-5 years (CTS5) risk stratification in premenopausal breast cancer patients and Ki-67 labelling index.

Sci Rep. 2021 Mar 8;11(1):5415. doi: 10.1038/s41598-021-84773-x.

PMID: 33686136

Won SY, Park HS, Kim EK, Kim SI, Moon HJ, Yoon JH, Park VY, Park S, Kim MJ, Cho YU, Park BW.

Survival Rates of Breast Cancer Patients Aged 40 to 49 Years according to Detection Modality in Korea: Screening Ultrasound versus Mammography.  
Korean J Radiol. 2021 Feb;22(2):159-167. doi: 10.3348/kjr.2019.0588. Epub 2020 Aug 28.  
PMID: 32901456

LEE J, PARK HS, LEE H, LEE DW, SONG SY, LEW DH, KIM JY, PARK S, KIM SI.  
Post-Operative Complications and Nipple Necrosis Rates Between Conventional and Robotic Nipple-Sparing Mastectomy.  
Front Oncol. 2021 Jan 8;10:594388. doi: 10.3389/fonc.2020.594388. eCollection 2020.  
PMID: 33489893

JUNG SM, RYU JM, PARK HS, PARK JS, KANG E, LEE S, LEE HB, YOUN HJ, YOO TK, KIM J, LEE JE, HAN SA, KIM D, KIM SW; KOREAN HEREDITARY BREAST CANCER STUDY GROUP.  
Trends in Risk-Reducing Mastectomy and Risk-Reducing Salpingo-Oophorectomy in Korean Carriers of the BRCA1/2 Mutation.  
J Breast Cancer. 2020 Dec 3;23(6):647-655. doi: 10.4048/jbc.2020.23.e61. eCollection 2020 Dec. PMID: 33408890 Free PMC article.

LEE J, CHA C, AHN SG, KIM D, PARK S, BAE SJ, KIM J, PARK HS, PARK S, KIM SI, PARK BW, JEONG J.  
Validation of Clinical Treatment Score post-5 years (CTS5) risk stratification in premenopausal breast cancer patients and Ki-67 labelling index  
Sci Rep. 2020 Oct 8;10(1):16850. doi: 10.1038/s41598-020-74055-3.  
PMID: 33033359

HAM A, KIM MH, KIM GM, KIM JH, KIM JY, PARK HS, PARK S, CHO YU, PARK BW, KIM SI, SOHN J.  
Correction to: Palbociclib use with grade 3 neutropenia in hormone receptor-positive metastatic breast cancer  
Breast Cancer Res Treat. 2020 Sep;183(2):493. doi: 10.1007/s10549-020-05796-y.  
PMID: 32661666

HAM A, KIM MH, KIM GM, KIM JH, KIM JY, PARK HS, PARK S, CHO YU, PARK BW, KIM SI, SOHN J.  
Palbociclib use with grade 3 neutropenia in hormone receptor-positive metastatic breast cancer  
Breast Cancer Res Treat. 2020 Aug;183(1):107-116.  
PMID: 32577940 doi: 10.1007/s10549-020-05750-y. Epub 2020 Jun 23.

WON SY, PARK HS, KIM EK, KIM SI, MOON HJ, YOON JH, PARK VY, PARK S, KIM MJ, CHO YU, PARK BW.  
Single-port of Breast Cancer Patients Aged 40 to 49 Years according to Detection Modality in Korea: Screening Ultrasound versus Mammography  
Korean J Radiol. 2020 Aug 28. doi: 10.3348/kjr.2019.0588. Online ahead of print.  
PMID: 32901456

BAE SJ, CHA YJ, YOON C, KIM D, LEE J, PARK S, CHA C, KIM JY, AHN SG, PARK HS, PARK S,

KIM SI, JEONG J.

Prognostic value of neutrophil-to-lymphocyte ratio in human epidermal growth factor receptor 2-negative breast cancer patients who received neoadjuvant chemotherapy  
Sci Rep. 2020 Aug 4;10(1):13078. doi: 10.1038/s41598-020-69965-1.  
PMID: 32753659 Free PMC article.

LEE JEEA, PARK HS, LEE HM, LEE KB, HAN DH, LEE DW

Axillary lymph node dissection using a robotic surgical system: Initial experience  
Journal of Surgical Oncology / First published: 11 August 2020  
<https://doi.org/10.1002/jso.26141> / ISSN0022-4790

HUNG-WEN LAI, ANTONIO TOESCA, BENJAMIN SARFATI, HYUNG SEOK PARK, GILLES HOUVENAEGHEL, JESSE C. SELBER, FIONA TSUI-FEN CHENG, WEN-LING KUO, NICKOLAS PERADZE, SEUNG YONG SONG, CHI WEI MOK

Consensus Statement on Robotic Mastectomy—Expert Panel From International Endoscopic and Robotic Breast Surgery Symposium (IERBS) 2019  
Annals of surgery Vol. 271, Iss. 6, (June 2020): 1005-1012. / PubMed ID31977514  
DOI:10.1097/SLA.0000000000003789 / eISSN1528-1140

YOON KH, LIM SM, KOO B, KIM JY, PARK HS, PARK S, KIM SI, PARK BW, CHO YU.

Conserving the lymphatics from the arm using fluorescence imaging in patients with breast cancer at high risk of postoperative lymphedema: a pilot study  
Gland Surg. 2020 Jun;9(3):629-636. doi: 10.21037/gs.2020.03.29.  
PMID: 32775252 Free PMC article.

LEE WH, CHANG JS, KIM MJ, PARK VY, YOON JH, KIM SY, KIM JY, PARK HS, KIM SI, CHO YU, PARK BW, KIM YB.

First Experience in Korea of Stereotactic Partial Breast Irradiation for Low-Risk Early-Stage Breast Cancer  
Front Oncol. 2020 Apr 29;10:672. doi: 10.3389/fonc.2020.00672. eCollection 2020.  
PMID: 32411612 Free PMC article.

PARK HS, LEE J, LEE DW, SONG SY, LEW DH, IL KIM S, CHO YU.

Author Correction: Robot-assisted Nipple-sparing Mastectomy with Immediate Breast Reconstruction: An Initial Experience.  
Sci Rep. 2020 Apr 30;10(1):7602. doi: 10.1038/s41598-020-64238-3.  
PMID: 32355291 Free PMC article.

PARK HS, LEE J, LEE HM, LEE KB, SONG SY, TOESCA ANTONIO

Development of Robotic Mastectomy Using a Single-Port Surgical Robot System  
2020, vol.23, no.1, 93-112 pp. 107-112 (6 pages)  
DOI : 10.4048/jbc.2020.23.e3 / ISSN 1738-6756 E-ISSN 2092-9900

KIM EJ, PARK HS, KIM JY, , KIM SI , CHO YU, PARK BW

Assessment of the Prognostic Staging System of American Joint Committee on Cancer 8th Edition for Breast Cancer: Comparisons with the Conventional Anatomic Staging System  
Journal of Breast Cancer 2020, vol.23, no.1, 93-112 pp. 59-68 (10 pages)  
DOI : 10.4048/jbc.2020.23.e9 / ISSN 1738-6756 E-ISSN 2092-9900

PARK HS, RYU MJ, PARK JS, IM SA, JUNG SY, KIM EK, PARK WC, MIN JW, LEE JY, YOU JY, LEE JE, KIM SW

Clinicopathological Features of Patients with the BRCA1 c.5339T>C (p.Leu1780Pro) Variant

Cancer Research and Treatment : Official Journal of Korean Cancer Association 2020; crt.2019.351. Published online: January 28, 2020 /

DOI: <https://doi.org/10.4143/crt.2019.351>

PARK HS, LEE JD, KIM JY, PARK SH, KIM JH, HAN HJ, CHOI YA, CHOI AR, SOHN JH, KIM SI  
Establishment of chemosensitivity tests in triple-negative and BRCA-mutated breast cancer patient-derived xenograft models

PLoS One. 2019; 14(12): e0225082. Published online 2019 Dec 10.

doi: [10.1371/journal.pone.0225082](https://doi.org/10.1371/journal.pone.0225082) PMID: [36903765](https://pubmed.ncbi.nlm.nih.gov/36903765/)

Kim MH, Kim GM, Kim JH, Kim JY, Park HS

Intermediate HER2 expression is associated with poor prognosis in estrogen receptor-positive breast cancer patients aged 55 years and older.

Breast cancer research and treatment Vol. 179, Iss. 3, (February 2020): 687-697.

DOI: [10.1007/s10549-019-05505-4](https://doi.org/10.1007/s10549-019-05505-4) / PubMed ID [31811505](https://pubmed.ncbi.nlm.nih.gov/31811505/) ProQuest document ID [2322737590](https://www.proquest.com/docview/2322737590)

PARK HS, LEE J, LEE H, LEE K, SONG SY, TOESCA A.

Development of Robotic Mastectomy Using a Single-Port Surgical Robot System.

J Breast Cancer. 2019 Nov 28;23(1):107-112. doi: [10.4048/jbc.2020.23.e3](https://doi.org/10.4048/jbc.2020.23.e3). eCollection 2020 Feb. PMID: [32140275](https://pubmed.ncbi.nlm.nih.gov/32140275/)

KIM SH, KIM JH, PARK HS, KIM HY, LEE KB, LEE J, LEE HM, KIM JY, KIM SI, CHO YU, & PARK BW

An Updated Nomogram for Predicting Invasiveness in Preoperative Ductal Carcinoma In Situ of the Breast

Yonsei Med J. 2019 Nov;60(11):1028-1035. English.

Published online Oct 17, 2019. <https://doi.org/10.3349/ymj.2019.60.11.1028>

PARK HS, LEE J, LEE DW, SONG SY, LEW DH, KIM SI & CHO YU

Robot-assisted Nipple-sparing Mastectomy with Immediate Breast Reconstruction: An Initial Experience

SCIENTIFIC REPORTS / Received 19 February 2019 / Accepted 02 October 2019 / Published 30 October 2019 / DOI <https://doi.org/10.1038/s41598-019-53737-4>

JEON HJ, PARK HS, PARK JS, NAM EJ, LEE ST, & HAN JW

Trends in contralateral prophylactic mastectomy rate according to clinicopathologic and socioeconomic status

Ann Surg Treat Res. 2019 Sep;97(3):113-118. English.

Published online Aug 29, 2019. <https://doi.org/10.4174/astr.2019.97.3.113>

YOON KH, KOO B, LEE KB, LEE H, LEE J, KIM JY, PARK HS, PARK S, KIM SI, CHO YU, PARK BW.

Optimal treatment of pseudoangiomatous stromal hyperplasia of the breast.  
Asian J Surg. 2020 Jul;43(7):735-741. doi: 10.1016/j.asjsur.2019.09.008. Epub 2019 Oct 26. PMID: 31669037

BYUN HK, CHANG JS, IM SH, KIROVA YM, ARSENE-HENRY A, CHOI SH, CHO YU, PARK HS, KIM JY, SUH CO, KEUM KC, SOHN JH, KIM GM, LEE IJ, KIM JW, KIM YB.  
Risk of Lymphedema Following Contemporary Treatment for Breast Cancer: An Analysis of 7617 Consecutive Patients From a Multidisciplinary Perspective  
Ann Surg. 2019 Jul 23. doi: 10.1097/SLA.0000000000003491. Online ahead of print. PMID: 31348041

LIM SM, KIM JY, PARK HS, PARK SH, KIM GM, SOHN JH, KIM SI  
Effect of primary tumor resection on overall survival in patients with stage IV breast cancer.  
BREAST JOURNAL First published:11 June 2019 Volume25, Issue5 September/October 2019 Pages 908-915 ISSN 1075-122X  
[http://doi.org.ssl.access.yonsei.ac.kr:8080/10.1111/tbj.13344 /](http://doi.org.ssl.access.yonsei.ac.kr:8080/10.1111/tbj.13344/)

YOON KH, PARK SH, KIM JY, PARK HS, KIM SI, CHO YU & PARK BW  
Is the frozen section examination for sentinel lymph node necessary in early breast cancer patients?  
Ann Surg Treat Res. 2019 Aug;97(2):49-57. English.  
Published online Jul 29, 2019. <https://doi.org/10.4174/astr.2019.97.2.49>

LIM SM, HAN YJ, KIM SI & PARK HS  
Utilization of bioelectrical impedance analysis for detection of lymphedema in breast Cancer survivors: a prospective cross sectional study  
Research article/ Open Access/ Published: 08 July 2019/  
DOI <https://doi.org/10.1186/s12885-019-5840-9>

KIM JH, YOON KH, HUR H, PARK SP, KIM JY, PARK HS, KIM SI, CHOYU & PARK BW  
Prevalence of breast cancer-related risk factors in underweight premenopausal women: the Korea National Health and Nutrition Examination Survey IV-VI  
Received 30 November 2018 / Accepted 06 December 2018 / Published 17 December 2018 / Issue Date 15 April 2019 / DOI <https://doi.org/10.1007/s10549-018-05091-x>

AHN SJ, SONG SY, PARK HS, PARK SH, LEW DH, ROH TS, AND LEE DW  
A Phase II Study to Evaluate the Safety and Efficacy of Pegteograstim in Korean Breast Cancer Patients Receiving Dose-Dense Doxorubicin/Cyclophosphamide  
Cancer Res Treat. 2019 Apr; 51(2): 812-818.  
Published online 2018 Sep 19. doi: 10.4143/crt.2018.383  
PMCID: PMC6473288 / PMID: 30235921

AHN SJ, SONG SY, PARK HS, PARK SH, LEW DH, ROH TS, AND LEE DW  
Early experiences with robot-assisted prosthetic breast reconstruction  
Arch Plast Surg. 2019 Jan; 46(1): 79-83.  
Published online 2019 Jan 15. doi: 10.5999/aps.2018.00052  
PMCID: PMC6369051 / PMID: 30685946

LEE SH, KIM SH, PARK HS, KIM JH, KIMDW, CHO HJ, YUN MJ  
The Prognostic Value of 18F-FDG Uptake in the Supraclavicular Lymph Node (N3c) on PET/CT in Patients With Locally Advanced Breast Cancer With Clinical N3c  
Clinical Nuclear Medicine: January 2019 - Volume 44 - Issue 1 - p e6-e12  
doi: 10.1097/RLU.0000000000002365

BAE HW, YOON KH, KIM JH, LIM SM, KIM JY, PARK HS, PARK SH, KIM SI, CHO YU & PARK BW  
Impact of Micrometastatic Axillary Nodes on Survival of Breast Cancer Patients with Tumors  $\leq 2$  cm  
Original Scientific Report /Published: 29 June 2018/Download citation  
Issue Date December 2018  
DOI <https://doi.org/10.1007/s00268-018-4725-4>

EOH KJ, PARK HS, PARK JS, LEE ST, HAN JW, LEE JY, KIM SH, KIM SW, KIM YT, NAM EJ  
Distinct Clinical Courses of Epithelial Ovarian Cancer with Mutations in BRCA1 5' and 3' Exons  
doi: 10.21873/anticancer.13073 Anticancer Research December 2018 vol. 38 no. 12 6947-6953

PARK HS, KIM JH, LEE DW, SONG SY, PARK SH, KIM SI, RYU DH, AND CHO YU  
Gasless Robot-Assisted Nipple-Sparing Mastectomy: A Case Report  
J Breast Cancer. 2018 Sep; 21(3): 334–338. Published online 2018 Sep 20./  
doi: 10.4048/jbc.2018.21.e45 PMID: PMC6158155 /PMID: 30275863

PARK JS, LEE ST, HAN JW, KIM TI, NAM EJ, PARK HS  
Difference in Risk of Breast and Ovarian Cancer According to Putative Functional Domain Regions in Korean BRCA1/2 Mutation Carriers.  
Clin Breast Cancer. 2018 Oct;18(5):362-373.e1. doi: 10.1016/j.clbc.2018.02.007.  
Epub 2018 Feb 20, PMID: 29673794 DOI: 10.1016/j.clbc.2018.02.007

EOH KJ, KIM JE, PARK HS, LEE ST, PARK JS, HAN JW, LEE JY, KIM S, KIM SW, KIM JH, KIM YT, NAM EJ  
Detection of Germline Mutations in Patients with Epithelial Ovarian Cancer Using Multi-Gene Panels: Beyond BRCA1/2.  
Cancer Res Treat. 2018 Jul; 50(3): 917–925. Published online 2017 Sep 27.  
DOI: 10.4143/crt.2017.220, PMID: PMC6056949, PMID: 29020732

KIM JS, HAULE CC, KIM JH, LIM SM, YOON KH, KIM JY, PARK HS, PARK SH, KIM SI, CHO YU, PARK BW  
Association between Changes in Serum 25-Hydroxyvitamin D Levels and Survival in Patients with Breast Cancer Receiving Neoadjuvant Chemotherapy.  
J Breast Cancer. 2018 Jun; 21(2): 134–141. Published online 2018 Jun 20.  
DOI:10.4048/jbc.2018.21.2.134, PMID: PMC6015976, PMID: 29963108

CHOI SH, KIM JW, CHOI J, SOHN J, KIM SI, PARK SH, PARK HS, JEONG J, SUH CO, KEUM KC, KIM YB, LEE IJ

Locoregional Treatment of the Primary Tumor in Patients With De Novo Stage IV Breast Cancer: A Radiation Oncologist's Perspective.

DOI: <https://doi.org/10.1016/j.clbc.2017.06.002>

PARK JS, LEE ST, HAN JW, KIM TI, NAM EJ, Park HS

Difference in Risk of Breast and Ovarian Cancer According to Putative Functional Domain Regions in Korean BRCA1/2 Mutation Carriers

DOI: <https://doi.org/10.1016/j.clbc.2018.02.007>

CHA JT, PARK HS, KIM DW, KIM HJ, KIM MJ, CHO YU, AND YUN MJ

A hierarchical prognostic model for risk stratification in patients with early breast cancer according to 18F-fludeoxyglucose uptake and clinicopathological parameters

Cancer Med. 2018 Apr; 7(4): 1127–1134. Published online 2018 Feb 26. doi: 10.1002/cam4.1394 PMID: 29479851

PARK JS, LEE ST, NAM EJ, HAN JW, LEE JY, KIM J, KIM TI, PARK HS

Variants of cancer susceptibility genes in Korean BRCA1/2 mutation-negative patients with high risk for hereditary breast cancer.

BMC Cancer. 2018 Jan 16;18(1):83. doi: 10.1186/s12885-017-3940-y.

PMID: 29338689 PMID: 29338689 DOI: 10.1186/s12885-017-3940-y

MOON YW, AN HJ, KOO JS, KIM GM, HAN HJ, PARK SH, KIM SI, PARK HS, KIM SW, KIM SK, LEE SA, HWANG SI, SON GW, SOHN JH

CD44/CD24 and aldehyde dehydrogenase 1 in estrogen receptor-positive early breast cancer treated with tamoxifen: CD24 positivity is a poor prognosticator.

ONCOTARGET:2018 Jan 9(2):2,622-2,630. doi: 10.18632/oncotarget.23519

HWANG HA, PARK S, KOO JS, PARK HS, KIM SI, CHO YU, PARK BW, YOON JH, KIM MJ, KIM EK.

Factors predictive of occult nipple-areolar complex involvement in patients with carcinoma in situ of the breast.

J Surg Oncol. 2017 Dec;116(8):1046-1055. doi: 10.1002/jso.24768. Epub 2017 Jul 25.

PMID: 28111427 PMID: 28111427 DOI: 10.4143/crt.2016.433

PARK JS, NAM EJ, PARK HS, HAN JW, LEE JY, KIM J, KIM TI, LEE ST.

Identification of a Novel BRCA1 Pathogenic Mutation in Korean Patients Following Reclassification of BRCA1 and BRCA2 Variants According to the ACMG Standards and Guidelines Using Relevant Ethnic Controls.

Cancer Res Treat. 2017 Oct;49(4):1012-1021. doi: 10.4143/crt.2016.433. Epub 2017 Jan 17. PMID:28111427 PMID:28111427

KIM MK, PARK HS, KIM JY, KIM S, NAM S, PARK S, KIM SI.

The clinical implication of the number of lymph nodes harvested during sentinel lymph node biopsy and its effects on survival outcome in patients with node-negative breast cancer .

Am J Surg. 2017 Oct;214(4):726-732. doi: 10.1016/j.amjsurg.2016.10.019. Epub 2016 Nov 30.

CHO JS, LEE MH, KIM SI, PARK S, PARK HS, OH E, LEE JH, KOO BN.  
The Effects of Perioperative Anesthesia and Analgesia on Immune Function in Patients Undergoing Breast Cancer Resection: A Prospective Randomized Study.  
Int J Med Sci. 2017 Aug 18;14(10):970-976. doi: 10.7150/ijms.20064. eCollection 2017. PMID:28924368 PMCID:PMC5599920

Kim JH, Kang IC, Nam SE, Park HS, Park SH, Jeong JJ, Nam KH, Chung WY, Kim SI, Cho YU, Park BW  
Comparison of characteristics in patients with both thyroid and breast cancer: Based on order of incidence  
Korean Journal of Clinical Oncology, 2017 JUN, Vol.13(1) : 1-9, 2017 ISSN 1738-8082 DOI10.14216/kjco.17001

DANIEL OK, LIM SM, KIM JH, PARK HS, PARK S, KIM SI.  
Preoperative prediction of the size of pure ductal carcinoma in situ using three imaging modalities as compared to histopathological size: does magnetic resonance imaging add value?  
Breast Cancer Res Treat. 2017 Jul;164(2):437-444. doi: 10.1007/s10549-017-4252-2. Epub 2017 Apr 24. PMID:28439735

KIM GM, KIM S, PARK HS, KIM JY, NAM S, PARK S, KIM SI, KIM D, SOHN J.  
Chemotherapy-induced irreversible alopecia in early breast cancer patients.  
Breast Cancer Res Treat. 2017 Jun;163(3):527-533. doi: 10.1007/s10549-017-4204-x. Epub 2017 Mar 21. PMID:28324267

Eoh KJ, Park HS, Park JS, Lee ST, Han JW, Lee JY, Kim SW, Kim SH, Kim YT, and Nam EJ  
Comparison of Clinical Outcomes of BRCA1/2 Pathologic Mutation, Variants of Unknown Significance, or Wild Type Epithelial Ovarian Cancer Patients  
Cancer Res Treat. 2017 Apr; 49(2): 408–415. Published online 2016 Jul 27. doi: 10.4143/crt.2016.135 / PMCID: PMC5398388 / PMID: 27488874

PARK HS, SOHN J, KIM SI, PARK S, PARK HS, GHO SG, CHUNG HC, PAIK S, KIM GM.  
Effects of hormone receptor status on the durable response of trastuzumab-based therapy in metastatic breast cancer.  
Breast Cancer Res Treat. 2017 Jun;163(2):255-262. doi: 10.1007/s10549-017-4175-y. Epub 2017 Feb 27. PMID:28243895

KIM GM, KIM S, PARK HS, KIM JY, NAM S, PARK S, KIM SI, KIM D, SOHN J.  
Chemotherapy-induced irreversible alopecia in early breast cancer patients.  
Breast Cancer Res Treat. 2017 Jun;163(3):527-533. doi: 10.1007/s10549-017-4204-x. Epub 2017 Mar 21. PMID:28324267

PARK HS, PARK SJ, KIM JY, KIM S, RYU J, SOHN J, PARK S, KIM GM, HWANG IS, CHOI JR, KIM SI.  
Next-generation sequencing of BRCA1/2 in breast cancer patients: potential effects on clinical decision-making using rapid, high-accuracy genetic results.  
Ann Surg Treat Res. 2017 May;92(5):331-339. doi: 10.4174/ast.2017.92.5.331. Epub



2017 Apr 27.

EOH KJ, PARK JS, PARK HS, LEE ST, HAN J, LEE JY, KIM SW, KIM S, KIM YT, NAM EJ.  
BRCA1 and BRCA2 mutation predictions using the BRCAPRO and Myriad models in Korean ovarian cancer patients.  
Gynecol Oncol. 2017 Apr;145(1):137-141. doi: 10.1016/j.ygyno.2017.01.026. Epub 2017 Feb 1. PMID:28159408

KIM MH, LEE KY, PARK S, KIM SI, PARK HS, YOO YC.  
Effects of systemic lidocaine versus magnesium administration on postoperative functional recovery and chronic pain in patients undergoing breast cancer surgery: A prospective, randomized, double-blind, comparative clinical trial.  
PLoS One. 2017 Mar 2;12(3):e0173026. doi: 10.1371/journal.pone.0173026. PMID:28253307

PARK HS, HAN HJ, LEE S, KIM GM, PARK S, CHOI YA, LEE JD, KIM GM, SOHN J, KIM SI.  
Detection of Circulating Tumor Cells in Breast Cancer Patients Using Cytokeratin-19 Real-Time RT-PCR.  
Yonsei Med J. 2017 Jan;58(1):19-26. doi: 10.3349/ymj.2017.58.1.19. Erratum in: Yonsei Med J. 2017 Mar;58(2):473. PMID:27873491

RYU J, PARK HS, KIM S, KIM JY, PARK S, KIM SI.  
Preoperative Magnetic Resonance Imaging and Survival Outcomes in T1-2 Breast Cancer Patients Who Receive Breast-Conserving Therapy.  
J Breast Cancer. 2016 Dec;19(4):423-428. doi: 10.4048/jbc.2016.19.4.423. PMID:28053631

LEE C, PARK S, KIM JH, LIM SM, PARK HS, KIM SI, PARK BW.  
Expression of T-Lymphocyte Markers in Human Epidermal Growth Factor Receptor 2-Positive Breast Cancer.  
J Breast Cancer. 2016 Dec;19(4):385-393. doi: 10.4048/jbc.2016.19.4.385. PMID:28053626

PARK HS, PARK JS, NAM EJ, LEE ST, HAN JW, KIM TI  
Clinical Implications of Genetic Testing for Hereditary Breast and Ovarian Cancer Syndrome in the Era of Genomic Medicine: Clinician's Perspectives  
J Breast Dis. 2016;4(1):1-9. Published online 2016 June 30  
doi: 10.14449/jbd.2016.4.1.1, PMID:23054337 PMCID:PMC3799781

KIM S, PARK HS, KIM JY, RYU J, PARK S, KIM SI.  
Comparisons of Oncologic Outcomes between Triple-Negative Breast Cancer (TNBC) and Non-TNBC among Patients Treated with Breast-Conserving Therapy.  
Yonsei Med J. 2016 Sep;57(5):1192-8. doi: 10.3349/ymj.2016.57.5.1192. PMID:27401651 PMCID:PMC4960386

EOH KJ, PARK HS, PARK JS, LEE ST, HAN J, LEE JY, KIM SW, KIM S, KIM YT, NAM EJ.  
Comparison of Clinical Outcomes of BRCA1/2 Pathologic Mutation, Variants of Unknown

Significance, or Wild Type Epithelial Ovarian Cancer Patients.

Cancer Res Treat. 2017 Apr;49(2):408-415. doi: 10.4143/crt.2016.135. Epub 2016 Jul 27, PMID: 27488874, PMCID: PMC5398388

PARK HS, HEO I, KIM JY, KIM S, NAM S, PARK S, KIM SI.

No effect of tumor-infiltrating lymphocytes (TILs) on prognosis in patients with early triple-negative breast cancer: Validation of recommendations by the International TILs Working Group

2014. J Surg Oncol. 2016 Jul;114(1):17-21. doi: 10.1002/jso.24275. Epub 2016 May 8. PubMed PMID: 27157771.

PARK VY, YOON D, KOO JS, KIM EK, KIM SI, CHOI JS, PARK S, PARK HS, KIM S, KIM MJ.

Intratumoral Agreement of High-Resolution Magic Angle Spinning Magnetic Resonance Spectroscopic Profiles in the Metabolic Characterization of Breast Cancer.

Medicine (Baltimore). 2016 Apr;95(15):e3398. doi: 10.1097/MD.0000000000003398. PMID:27082613P MCID:PMC4839857

CHANG JS, CHOI JE, PARK MH, JUNG SH, CHOI BO, PARK HS, PARK S, KIM YB; Korean Breast Cancer Society.

Trends in the Application of Postmastectomy Radiotherapy for Breast Cancer With 1 to 3 Positive Axillary Nodes and Tumors  $\leq 5$  cm in the Modern Treatment Era: A Retrospective Korean Breast Cancer Society Report.

Medicine (Baltimore). 2016 May;95(19):e3592. doi: 10.1097/MD.0000000000003592. PubMed PMID: 27175662; PubMed Central PMCID: PMC4902504.

CHOI MY, LEE SK, LEE JE, PARK HS, LIM ST, JUNG Y, KO BK, NAM SJ

Korean Breast Cancer Society.

Characterization of Korean Male Breast Cancer Using an Online Nationwide Breast-Cancer Database: Matched-Pair Analysis of Patients With Female Breast Cancer.

Medicine (Baltimore). 2016 Apr;95(16):e3299. doi: 10.1097/MD.0000000000003299. PubMed PMID: 27100414; PubMed Central PMCID: PMC4845818.

NAM S, PARK S, PARK HS, KIM S, KIM JY, KIM SI.

Association Between Insulin Resistance and Luminal B Subtype Breast Cancer in Postmenopausal Women.

Medicine (Baltimore). 2016 Mar;95(9):e2825. doi: 10.1097/MD.0000000000002825. PubMed PMID: 26945364; PubMed Central PMCID: PMC4782848.

KIM CG, SOHN J, CHON H, KIM JH, HEO SJ, CHO H, KIM IJ, KIM SI, PARK S, PARK HS, KIM GM.

Incidence of Febrile Neutropenia in Korean Female Breast Cancer Patients Receiving Preoperative or Postoperative Doxorubicin/Cyclophosphamide Followed by Docetaxel Chemotherapy.

J Breast Cancer. 2016 Mar;19(1):76-82. doi: 10.4048/jbc.2016.19.1.76. Epub 2016 Mar 25. PubMed PMID: 27064666; PubMed Central PMCID: PMC4822110.

PARK S, YOON JH, SOHN J, PARK HS, MOON HJ, KIM MJ, KIM EK, KIM SI, PARK BW.

Magnetic Resonance Imaging after Completion of Neoadjuvant Chemotherapy Can

Accurately Discriminate between No Residual Carcinoma and Residual Ductal Carcinoma In Situ in Patients with Triple-Negative Breast Cancer.

PLoS One. 2016 Feb 11;11(2):e0149347. doi: 10.1371/journal.pone.0149347. eCollection 2016. PubMed PMID: 26866475; PubMed Central PMCID: PMC4750980.

KIM HS, PARK S, KOO JS, KIM S, KIM JY, NAM S, PARK HS, KIM SI, PARK BW.

Risk Factors Associated with Discordant Ki-67 Levels between Preoperative Biopsy and Postoperative Surgical Specimens in Breast Cancers.

PLoS One. 2016 Mar 8;11(3):e0151054. doi: 10.1371/journal.pone.0151054.

eCollection 2016. PubMed PMID: 26954364; PubMed Central PMCID: PMC4783040.

LIM SM, PARK HS, JEON CW

Cumulative Sum Analysis for Learning Curve for Breast Mass Excision Using an Ultrasound-Guided Vacuum-Assisted Biopsy System

J Breast Dis. 2015;3(2):43-47. Published online 2015 December 28

doi: 10.14449/jbd.2015.3.2.43

CHOI SH, PARK HS, RYU JG, KIM JY, KIM SH, PARK SH, KIM SI

Clinicopathologic Features, Clinical Course and Outcomes of Idiopathic Granulomatous Mastitis

J Breast Dis. 2015;3(1):1-7. Published online 2015 June 30

doi: <http://dx.doi.org/10.14449/jbd.2015.3.1>

KIM JY, PARK HS, KIM S, RYU J, PARK S, KIM SI.

Prognostic Nomogram for Prediction of Axillary Pathologic Complete Response After Neoadjuvant Chemotherapy in Cytologically Proven Node-Positive Breast Cancer.

Medicine (Baltimore). 2015 Oct;94(43):e1720. doi: 10.1097/MD.0000000000001720.

PubMed PMID: 26512562.

LEE J, PARK S, KIM S, KIM J, RYU J, PARK HS, KIM SI, PARK BW.

Characteristics and Survival of Breast Cancer Patients with Multiple Synchronous or Metachronous Primary Cancers.

Yonsei Med J. 2015 Sep;56(5):1213-20. doi: 10.3349/ymj.2015.56.5.1213.

PubMed PMID: 26256962; PubMed Central PMCID: PMC4541649.

PARK S, LEE DH, JEON JY, RYU J, KIM S, KIM JY, PARK HS, KIM SI, PARK BW.

Serum 25-hydroxyvitamin D deficiency and increased risk of breast cancer among Korean women: a case-control study.

Breast Cancer Res Treat. 2015 Jul;152(1):147-54. doi: 10.1007/s10549-015-3433-0.

Epub 2015 Jun 3.

PubMed PMID: 26037255.

KIM SH, PARK HS, KIM KH, YOO H, CHAE BJ, BAE JS, JUNG SS, SONG BJ.

Correlation between obesity and clinicopathological factors in patients with papillary thyroid cancer.

Surg Today. 2015 Jun;45(6):723-9. doi: 10.1007/s00595-014-0984-3. Epub 2014 Jul 25.

PubMed PMID: 25059345.

KIM MH, LEE S, KOO JS, JUNG KH, PARK IH, JEONG J, KIM SI, PARK S, PARK HS, PARK BW, KIM JH, SOHN J.

Anaplastic lymphoma kinase gene copy number gain in inflammatory breast cancer (IBC): prevalence, clinicopathologic features and prognostic implication.

PLoS One. 2015 Mar 24;10(3):e0120320. doi: 10.1371/journal.pone.0120320. eCollection 2015.

PubMed PMID: 25803816; PubMed Central PMCID: PMC4372579.

PARK HS, LEE A, CHAE BJ, BAE JS, SONG BJ, JUNG SS.

Expression of receptor activator of nuclear factor kappa-B as a poor prognostic marker in breast cancer.

J Surg Oncol. 2014 Dec;110(7):807-12. doi: 10.1002/jso.23737. Epub 2014 Aug 11.

PubMed PMID: 25111682.

PARK HS, JUNG CK, LEE SH, CHAE BJ, LIM DJ, PARK WC, SONG BJ, KIM JS, JUNG SS, BAE JS. Clinicopathologic characteristics and surgical outcomes of elderly patients with thyroid cancer.

pn J Clin Oncol. 2014 Nov;44(11):1045-51. doi: 10.1093/jjco/hyu132. Epub 2014 Sep 8.

PubMed PMID: 25205673.

PARK HS, PARK JM, PARK S, CHO J, KIM SI, PARK BW.

Subcellular localization of Mdm2 expression and prognosis of breast cancer.

Int J Clin Oncol. 2014 Oct;19(5):842-51.

Original

PARK HS, CHAE BJ, SONG BJ, JUNG SS, HAN W, NAM SJ, YOUN HJ, KO BK, KIM DW; Korea Breast Cancer Society.

Effect of axillary lymph node dissection after sentinel lymph node biopsy on overall survival in patients with T1 or T2 node-positive breast cancer: report from the Korean Breast Cancer Society.

Ann Surg Oncol. 2014 Apr;21(4):1231-6 doi: 10.1245/s10434-013-3350-6.

PMID:24318094

PARK HS, JEON CW.

Learning curve for breast mass excision using a vacuum-assisted biopsy system.

Minim Invasive Ther Allied Technol. 2014 Aug;23(4):235-40.

doi: 10.3109/13645706.2014.894918. Epub 2014 Mar 28.

PMID:24678789

NAM SE, PARK SH, LEE DW, SONG SY, PARK HS, KIM SI, PARK BW, LEW DH

Clinical Outcome of Immediate Breast Reconstruction after Mastectomy for Breast Cancer

J Breast Dis. 2014;2(2):44-50. Published online 2014 December 31

doi: 10.14449/jbd.2014.2.44

PARK HS, CHAE BJ, SONG BJ, JUNG SS, HAN W, NAM SJ, YOUN HJ, KO BK, KIM DW

Korea Breast Cancer Society.

Effect of axillary lymph node dissection after sentinel lymph node biopsy on overall survival in patients with T1 or T2 node-positive breast cancer: report from the Korean

Breast Cancer Society.

Ann Surg Oncol. 2014 Apr;21(4):1231-6. doi: 10.1245/s10434-013-3350-6.

PMID:24318094

CHO JH, PARK JM, PARK HS, PARK S, KIM SI, PARK BW.

Oncologic safety of breast-conserving surgery compared to mastectomy in patients receiving neoadjuvant chemotherapy for locally advanced breast cancer.

J Surg Oncol. 2013 Dec;108(8):531-6. doi: 10.1002/jso.23439. Epub 2013 Sep 30.

PMID:24115142

PARK S, PARK JM, CHO JH, PARK HS, KIM SI, PARK BW.

Sentinel lymph node biopsy after neoadjuvant chemotherapy in patients with cytologically proven node-positive breast cancer at diagnosis.

Ann Surg Oncol. 2013 Sep;20(9):2858-65. doi: 10.1245/s10434-013-2992-8. Epub 2013 May 5.

PMID: 23645483.

PARK HS, KIM HY, PARK S, KIM EK, KIM SI, PARK BW.

A nomogram for predicting underestimation of invasiveness in ductal carcinoma in situ diagnosed by preoperative needle biopsy.

Breast. 2013 Oct;22(5):869-73. doi: 10.1016/j.breast.2013.03.009. Epub 2013 Apr 17.

PubMed PMID: 23601760.

PARK HS, PARK SH, CHO JH, PARK JM, KIM SI, PARK BW

Risk predictors of underestimation and the need for sentinel node biopsy in patients diagnosed with ductal carcinoma in situ by preoperative needle biopsy

J Surg Oncol. 2013 Mar;107(4):388-92. doi: 10.1002/jso.23273. Epub 2012 Sep 24.

PMID: 23007901 DOI: 10.1002/jso.23273

PARK BW, PARK S, KOO JS, KIM SI, PARK JM, CHO JH, PARK HS.

Homeodomain-interacting protein kinase 1 (HIPK1) expression in breast cancer tissues.

Jpn J Clin Oncol. 2012 Dec;42(12):1138-45. doi: 10.1093/jjco/hys163. Epub 2012 Oct 15.

PMID: 23071292.

YOO H, CHAE BJ, PARK HS, KIM KH, KIM SH, SONG BJ, JUNG SS, BAE JS.

Comparison of surgical outcomes between endoscopic and robotic thyroidectomy.

J Surg Oncol. 2012 Jun 1;105(7):705-8. doi: 10.1002/jso.22106.

PMID:21953060

RHEE Y, SONG K, PARK S, PARK HS, LIM SK, PARK BW.

Efficacy of a combined alendronate and calcitriol agent (Maxmarvil®) in Korean postmenopausal women with early breast cancer receiving aromatase inhibitor: a double-blind, randomized, placebo-controlled study.

Endocr J. 2013;60(2):167-72. Epub 2012 Oct 13. PubMed

PMID: 23064476.

PARK HS, PARK S, CHO J, PARK JM, KIM SI, PARK BW.

Risk predictors of underestimation and the need for sentinel node biopsy in patients

diagnosed with ductal carcinoma in situ by preoperative needle biopsy.  
J Surg Oncol. 2013 Mar;107(4):388-92. doi: 10.1002/jso.23273. Epub 2012 Sep 24.  
PMID:23007901.

PARK HS, JUNG CK, LEE SH, CHAE BJ, LIM DJ, PARK WC, SONG BJ, KIM JS, JUNG SS, BAE JS.  
Notch1 receptor as a marker of lymph node metastases in papillary thyroid cancer. Cancer  
Sci. 2012 Feb;103(2):305-9. doi: 10.1111/j.1349-7006.2011.02161.x. Epub 2012 Jan 16.  
PMID:22118425

PARK BW, PARK S, PARK HS, KOO JS, YANG WI, LEE JS, HWANG H, KIM SI, LEE KS.  
Cyclooxygenase-2 expression in proliferative Ki-67-positive breast cancers is associated  
with poor outcomes.  
Breast Cancer Res Treat. 2012 Jun;133(2):741-51. doi: 10.1007/s10549-012-1971-2.  
PMID:22286316

PARK S, PARK HS, KOO JS, YANG WI, KIM SI, PARK BW.  
Higher expression of androgen receptor is a significant predictor for better endocrine-  
responsiveness in estrogen receptor-positive breast cancers.  
Breast Cancer Res Treat. 2012 May;133(1):311-20. doi: 10.1007/s10549-011-1950-z.  
Epub 2012 Jan 10. PMID:22231421

PARK S1, KOO JS, KIM MS, PARK HS, LEE JS, LEE JS, KIM SI, PARK BW.  
Characteristics and outcomes according to molecular subtypes of breast cancer as  
classified by a panel of four biomarkers using immunohistochemistry.  
Breast. 2012 Feb;21(1):50-7. doi: 10.1016/j.breast.2011.07.008. Epub 2011 Aug 23.  
PMID:21865043

PARK HS, KIM S, KIM K, YOO H, CHAE BJ, BAE JS, SONG BJ, JUNG SS.  
Pattern of distant recurrence according to the molecular subtypes in Korean women with  
breast cancer.  
World J Surg Oncol. 2012 Jan 8;10:4. doi: 10.1186/1477-7819-10-4.  
PMID:22226178 PMCID:PMC3286379

LEE JS, KIM SI, PARK HS, LEE JS, PARK S, PARK BW.  
The impact of local and regional recurrence on distant metastasis and survival in patients  
treated with breast conservation therapy.  
J Breast Cancer. 2011 Sep;14(3):191-7. doi: 10.4048/jbc.2011.14.3.191.  
PMID:22031800

PARK HS, CHOI JY, LEE MJ, PARK S, YEO CW, LEE SS, SHIN JG, PARK BW.  
Association between genetic polymorphisms of CYP2D6 and outcomes in breast cancer  
patients with tamoxifen treatment.  
J Korean Med Sci. 2011 Aug;26(8):1007-13. doi: 10.3346/jkms.2011.26.8.1007.  
PMID:21860550

MOON YW, PARK S, SOHN JH, KANG DR, KOO JS, PARK HS, CHUNG HC, PARK BW.  
Clinical significance of progesterone receptor and HER2 status in estrogen receptor-  
positive, operable breast cancer with adjuvant tamoxifen.

J Cancer Res Clin Oncol. 2011 Jul;137(7):1123-30. doi: 10.1007/s00432-011-0976-2. Epub 2011 Feb 16. PMID:21327800

PARK S, PARK HS, KOO JS, YANG WI, KIM SI, PARK BW.  
Breast cancers presenting luminal B subtype features show higher discordant human epidermal growth factor receptor 2 results between immunohistochemistry and fluorescence in situ hybridization.  
Cancer. 2012 Feb 15;118(4):914-23. doi: 10.1002/cncr.26406. Epub 2011 Jul 28. PMID:21800290

KIM SI, SOHN J, KOO JS, PARK SH, PARK HS, PARK BW.  
Molecular subtypes and tumor response to neoadjuvant chemotherapy in patients with locally advanced breast cancer.  
Oncology. 2010;79(5-6):324-30. Epub 2011 Mar 23. doi: 10.1159/000322192. PMID:21430399

PARK HS, LEE JS, LEE JS, PARK S, KIM SI, PARK BW,  
The Feasibility of Endoscopy-Assisted Breast Conservation Surgery for Patients with Early Breast Cancer.  
J Breast Cancer. 2011 Mar;14(1):52-7. doi: 10.4048/jbc.2011.14.1.52. Epub 2011 Mar 31. PMID:21847395 PMCID:PMC3148518

LEE JS, KIM SI, CHOI SY, PARK HS, LEE JS, PARK S, KOO J, PARK BW, LEE KS.  
Factors influencing the outcome of breast cancer patients with 10 or more metastasized axillary lymph nodes.  
Int J Clin Oncol. 2011 Oct;16(5):473-81. doi: 10.1007/s10147-011-0207-5. Epub 2011 Mar 1  
PMID:21360123

PARK S, PARK HS, KIM SI, KOO JS, PARK BW, LEE KS.  
The impact of a focally positive resection margin on the local control in patients treated with breast-conserving therapy.  
Jpn J Clin Oncol. 2011 May;41(5):600-8. doi: 10.1093/jjco/hyr018. Epub 2011 Feb 24. PMID:21355001

PARK HS, PARK S, KIM JH, LEE JH, CHOI SY, PARK BW, LEE KS.  
Clinicopathologic features and outcomes of metaplastic breast carcinoma: comparison with invasive ductal carcinoma of the breast.  
Yonsei Med J. 2010 Nov;51(6):864-9. doi: 10.3349/ymj.2010.51.6.864. PMID:20879052 PMCID:PMC2995974

KIM SI, PARK S, PARK HS, KIM YB, SUH CO, PARK BW.  
Comparison of Treatment Outcome Between Breast-Conservation Surgery with Radiation and Total Mastectomy without Radiation in Patients with One to Three Positive Axillary Lymph Nodes.  
Int J Radiat Oncol Biol Phys. 2011 Aug 1;80(5):1446-52. doi: 10.1016/j.ijrobp.2010.04.051.

Epub 2010 Aug 24.  
PMID:20598451

PARK S, KOO JS, KIM MS, PARK HS, LEE JS, LEE JS, KIM SI, PARK BW, LEE KS.  
Androgen receptor expression is significantly associated with better outcomes in estrogen receptor-positive breast cancers.  
Ann Oncol. 2011 Aug;22(8):1755-62. doi: 10.1093/annonc/mdq678.  
PMID:21310761

LEE JH, PARK S, PARK HS, PARK BW.  
Clinicopathological features of infiltrating lobular carcinomas comparing with infiltrating ductal carcinomas: a case control study.  
World J Surg Oncol. 2010 Apr 27;8:34. doi: 10.1186/1477-7819-8-34.  
PMID:20423478 PMCID:PMC2873339

BW PARK, HS PARK.  
Adjuvant Hormonal Therapy: Current Standard and Practical Issues.  
J Breast Cancer. 2010 Sep;13(3):242-249.

PARK S, KOO J, PARK HS, KIM JH, CHOI SY, LEE JH, PARK BW, LEE KS.  
Expression of androgen receptors in primary breast cancer.  
Ann Oncol. 2010 Mar;21(3):488-92. doi: 10.1093/annonc/mdp510. Epub 2009 Nov 3.  
PMID:19887463

## **Teaching Experience**

### **Yonsei University Health System**

2021 – present Member of the CDP2023 project, Yonsei University College of Medicine

2012- present OSCE/CPX lecture, Yonsei University College of Medicine

2012-present Intern Mentor Program, Severance Hospital

2013-present Resident Mentor Program, Department of Surgery, Yonsei University College of Medicine

2017-2019 Vice chair of training committee, Department of Surgery, Yonsei University College of Medicine

## **Funds, Awards, or Grants received**

National Research Foundation of Korea Fund, research title : Development of Deep Learning Model for Guiding Breast Surgery using Data from Prospective Clinical Trials.  
2022



Korea Evaluation Institute of Industrial Technology Fund, research title : Clinical application and practical validation of 3D printed, patient-customized surgical guide to the surgeries of breast cancer, renal cancer, skin cancer, and reconstruction of aorta. 2021

Korea Evaluation Institute of Industrial Technology Fund, research title : Clinical application and practical validation of 3D printed, patient-customized surgical guide to the surgeries of breast cancer, renal cancer, skin cancer, and reconstruction of aorta. 2020

MediTip, Inc. Fund, research title : A prospective, multi-center, randomized, single blind, parallel, exploratory comparative clinical trial study to assess wound healing effect and safety of MTHG0808 and Collatamp®G apply to modified radical mastectomy. 2020

Intuitive Surgical Operations, Inc. Fund, research title : A multi-center study analyzing surgical outcomes of robot-assisted nipple-sparing mastectomy with immediate reconstruction compared to conventional nipple-sparing mastectomy with immediate reconstruction. 2020

Inseok Award (Best teaching award) 2019, Yonsei University College of Medicine

Excellence of Clinical Professor 2019, Severance Hospital

A good poster presentation award, 2019, GBCC, Incheon

AZ-KHIDI oncology research grant winner 2017

Covidien Research Fund, A prospective randomized study comparing surgery using electrosurgical bipolar sealing devices and surgery using conventional electro-cautery, 2017

Korea Breast Cancer Foundation Fund, research title: Re-classification of germline variant of unknown significance of susceptibility genes related to hereditary breast cancer in Korean population, 2016,

The National Research Foundation of Korea, Development of Germline multigene panel and HORMAD1 overexpression analysis in triple negative breast cancer, 2016

Korea Breast Cancer Foundation Fund, research title: RANKL/OPG expression in patients with breast cancer

Avon Foundation-AACR International Scholar-in-Training Grant: 34<sup>th</sup> San Antonio Breast Cancer Symposium 2011

Korea Breast Cancer Foundation Fund, research title: BRCA 1/2 mutation test using next-generation gene sequencing

## **Major Presentation (2016-Present)**

2022 KAROS on MAY 13-14  
2022 KSELS on APR 28-30  
2022 Global Breast Cancer Conference 2022 (GBCC) on APR 28-30  
2022 1st Medtronic & Samsung medical Center Breast Cadevaric Workshop on APR 2-3  
2021 Seoul Breast Meeting on DEC 12  
2021 The 3rd Korea Robot-Endoscopy Minimal Access Breast Surgery Study Group (KoREa-BSG) Symposium on NOV 27  
2021 Korean Society of Plastic and Reconstructive Surgeons (KSPRS) on NOV 12-14  
Controversies in Robot Assisted nipple-sparing mastectomy (the Severance perspectives).  
2021 The 2nd half Congress of the 73rd Korean on NOV 4-6  
Breast cancer – management of lymph node metastasis according to the level.  
2021 Global Breast Cancer Conference 2021 (GBCC) on APR 8-10  
Robotic Mastectomy in Korea  
2020 Annual Congress of KSS 2020 72nd Congress of The Korean Surgical Society on NOV 05-07  
2020 Global Breast Cancer Conference 2020 (GBCC) on APR 09-11  
Robotic Mastectomy in Korea  
2020 Seoul International Symposium of Surgical Oncology 2020 (SISSO)  
Surgical oncologist for one and all cancer patients on FEB 21-22  
Recent trend of endoscopic breast surgery and robot-assisted mastectomy  
2020 Academy of Breast Clinicians(ABC) on JAN 11-12  
Survival English Writing for Scientific Publication  
2019 International Endoscopic & Robotic Breast Surgery Symposium on MAY 24 – 25  
Gas vs Gasless Robotic Mastectomy experience from South Korea:  
Future of R-NSM?  
The initial experience of Robotic Mastectomy with the da Vinci SP system  
Consensus statement of Robotic Mastectomy from world leading experts  
2019 GBCC:  
Risk reduction strategies for women with pathogenic variants in multigene panel tests  
2018 GBCC: Clinical implication of ESR1 gene mutation  
2017 Global Breast Cancer Conference (GBCC): Hereditary Breast Cancer Session  
2017 Hereditary Breast Cancer Symposium  
2016 Hereditary Breast Cancer Symposium  
2016 KOHBRA meeting  
2016 School of Breast disease  
2016 The 3<sup>rd</sup> Genetic Counseling Symposium of Korean Society of Medical Genetics  
2016 SABCS: poster presentation

## **Societies/Memberships**

Korean Surgical Society

Korean Breast Cancer Society

Korea Robot-Endoscopy & Minimal Access Breast Surgery Study Group (KoREa-BSG)

## **Patent**

Number : 10-2017-0066300

Title: Method for Producing Xenograft Model Derived from a Patient of Breast Cancer

Number : 10-2020-0052633 (PCT pending)

Title: Apparatus and Method for Cutting and Retrieving Breast Specimen

Number : 10-2022-0035180

Title : Apparatus for Cutting Specimen

Number : 10-2022-0079154

Title : Apparatus and Method for Cutting and Retrieving Breast Specimen

Signature: \_\_\_\_\_

Date: \_\_\_\_\_