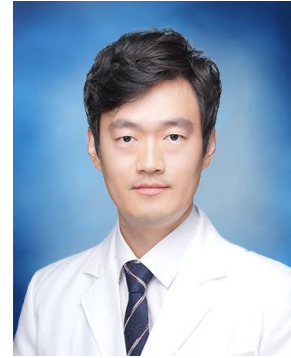


CURRICULUM VITAE

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EDUCATION

1997.3 – 2005.2 Bachelor of Science in Biomedical Engineering, Yonsei University, Korea
2005.3 – 2009.2 Master of Science in Medicine, Chungbuk National University College of Medicine, Korea
2013.3 – 2021.2 Doctor of Philosophy in Medicine, Chungbuk National University College of Medicine, Korea

TRAINING

2009.3 – 2010.2 Internship, Hallym University Medical Center, Korea
2010.3 – 2013.2 Resident, Department of Surgery, Seoul National University Hospital, Korea

FELLOWSHIP

2014.3 – 2016.2 Clinical Fellow, Department of Surgery, Seoul National University Hospital, Korea

ACADEMIC APPOINTMENTS

- 2016.3 – 2019.2 Clinical Instructor, Department of Surgery, Seoul National University Bundang Hospital, Korea
- 2019.3 - present Associate professor, Department of Surgery, Seoul National University Bundang Hospital, Korea

MILITARY SERVICE

- 1999.7 – 2001.9 The army, Sergeant

NATIONAL AND INTERNATIONAL SOCIETIES

- 2010.3 – present The Korean Surgical Society, Member
- 2013.6 – present International Society of Oncoplastic Endocrine Surgeons, Member
- 2013.9 – present Korean Association of Robotic Surgeons, Member
- 2014.3 – present The Korean Association of Thyroid and Endocrine Surgeons, Member
- 2014.3 – present The Korean Thyroid Association, Member
- 2014.3 – present The Korean Society of Endoscopic & Laparoscopic Surgeons, Member
- 2014.3 – present The Korean Society of Medical and Biological Engineering
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- 2020.9 – present Digital Healthcare Alliance Forum, Member

PUBLICATION (English) – Total 72 (main author 24)

1. Lee JK, Choi JH, Kim W, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Kim JH, Lee KE. Bilateral axillo-breast approach robotic total thyroidectomy in a 5-year-old patient with intractable Graves' disease. Head Neck. 2022 Nov 27. doi: 10.1002/hed.27257. Online ahead of print. PMID: 36437492

2. Lee EK, Moon JH, Hwangbo Y, Ryu CH, Cho SW, Choi JY, Chung EJ, Jeong WJ, Jung YS, Ryu J, Kim SJ, Kim MJ, Kim YK, Lee CY, Lee JY, **Yu HW**, Hah JH, Lee KE, Lee YJ, Park SK, Park DJ, Kim JH, Park YJ. Progression of Low-Risk Papillary Thyroid Microcarcinoma During Active Surveillance: Interim Analysis of a Multicenter Prospective Cohort Study of Active Surveillance on Papillary Thyroid Microcarcinoma in Korea. *Thyroid*. 2022 Nov;32(11):1328-1336. doi: 10.1089/thy.2021.0614. PMID: 36205563
3. **Yu HW**, Lee JK, Kim W, Kwak J, Kim SJ, Chai YJ, Choi JY, Lee KE. Development and Evaluation of the Feasibility of Thyroid Gland Self-Examination in an Outpatient Clinic. *J Endocr Surg*. 2022 Sep;22(3):65-71. Published online September 23, 2022. <https://doi.org/10.16956/jes.2022.22.3.65>
4. Choi JH, Lee JK, Kim W, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Prevalence of Postoperatively-Detected High-Risk Features in 2-4cm Papillary Thyroid Cancers. *J Clin Endocrinol Metab*. 2022 Aug 1:dgac457. doi: 10.1210/clinem/dgac457. Online ahead of print. PMID: 35914522
5. **Yu HW**, Choi JH, Lee JK, Kim W, Choi JY. The short video lecture for robotic bilateral axillo-breast approach to lateral neck lymph node dissection. *J Minim Invasive Surg*. 2022 Jun 15;25(2):80-83. doi: 10.7602/jmis.2022.25.2.80. PMID: 35821684 Free PMC article. (1st)
6. Hwangbo Y, Choi JY, Lee EK, Ryu CH, Cho SW, Chung EJ, Hah JH, Jeong WJ, Park SK, Jung YS, Kim JH, Kim MJ, Kim SJ, Kim YK, Lee CY, Lee JY, Lee YJ, **Yu HW**, Park DJ, Ryu J, Park YJ, Lee KE, Moon JH. A Cross-Sectional Survey of Patient Treatment Choice in a Multicenter Prospective Cohort Study on Active Surveillance of Papillary Thyroid Microcarcinoma (MAeSTro). *Thyroid*. 2022 Jul;32(7):772-780. doi: 10.1089/thy.2021.0619. PMID: 35698288
7. Na HY, **Yu HW**, Kim W, Moon JH, Ahn CH, Il Choi S, Kim YK, Choi JY, Park SY. Clinicopathological indicators for TERT promoter mutation in papillary thyroid

carcinoma. *Clin Endocrinol (Oxf)*. 2022 Mar 28. doi: 10.1111/cen.14728. Online ahead of print. PMID: 35343605. **(co-1st)**

8. Kim W, Choi JH, Lee JK, Ahn CH, **Yu HW**, Choi JY. The Incidence of Serum Calcium Elevation due to Adrenal Insufficiency After Unilateral Adrenalectomy. *J Endocr Surg*. 2022 Mar;22(1):18-23. doi: 10.16956/jes.2022.22.1.18
9. MY Oh, YJ Chai, J-M Lee, G Dionigi, C-W Wu, HY Kim, **HW Yu**, S-J Kim, JY Choi, KE Lee. Balloon Dilators for Fast and Safe Flap Dissection in Transoral Endoscopic Vestibular Approach Thyroidectomy Vestibular Approach (TOETVA). *J Endocr Surg*. 2021;21:e16.
10. Kim W, Choi JH, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Reduced Port Bilateral Axillo-Breast Approach (BABA) Robotic Parathyroidectomy. *Ann Robot Innov Surg*. 2021 Nov;2(2):49-53.
11. Kim KH, Lee J, Ahn CH, **Yu HW**, Choi JY, Lee HY, Lee WW, Moon JH. Association between Thyroid Function and Heart Rate Monitored by Wearable Devices in Patients with Hypothyroidism. *Endocrinol Metab (Seoul)*. 2021 Oct 21. doi: 10.3803/EnM.2021.1216. Online ahead of print. PMID: 34674500
12. Ahn CH, Na HY, Park SY, **Yu HW**, Kim SJ, Choi JY, Lee KE, Kim SW, Jung KC, Kim JH. Expression of CYP11B1 and CYP11B2 in adrenal adenoma correlates with clinical characteristics of primary aldosteronism. *Clin Endocrinol (Oxf)*. 2021 Nov 6. doi: 10.1111/cen.14628. Online ahead of print. PMID: 34743356
13. Cho MJ, **Yu HW**, Kim W, Kim YK, Choi SI, Kim SJ, Chai YJ, Lee D, Park SJ, Choi JY, Lee KE. Comparison of the Incidence of Postoperative Hypothyroidism in Patients Undergoing Conventional Thyroid Lobectomy and Pyramid- and Isthmus-Preserving Lobectomy. *Int J Endocrinol*. 2021 Oct 25;2021:8162307. doi: 10.1155/2021/8162307. eCollection 2021. **(co-1st)**

14. Shin HR, Lee K, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Comparison of Perioperative Outcomes Using the da Vinci S, Si, X, and Xi Robotic Platforms for BABA Robotic Thyroidectomy. *Medicina* 2021, 57(10), 1130 (**co-corresponding**)
15. Kim KH, Lee J, Ahn CH, **Yu HW**, Choi JY, Lee HY, Lee WW, Moon JH. Association between Thyroid Function and Heart Rate Monitored by Wearable Devices in Patients with Hypothyroidism. *Endocrinol Metab (Seoul)*. 2021 Oct;36(5):1121-1130. doi: 10.3803/EnM.2021.1216. Epub 2021 Oct 21. PMID: 34674500
16. **Yu HW**, Lee D, Lee K, Kim SJ, Chai YJ, Kim HC, Choi JY, Lee KE. Effect of an anti-adhesion agent on vision-based assessment of cervical adhesions after thyroid surgery: randomized, placebo-controlled trial. *Sci Rep*. 2021 Oct 7;11(1):19935. doi: 10.1038/s41598-021-97919-8. (**co-1st**)
17. Lee JH, Kim S, Kim K, Chai YJ, **Yu HW**, Kim SJ, Choi JY, Chung YS, Lee KE, Yi KH. Assessment of Inter-Institutional Post-Operative Hypoparathyroidism Status Using a Common Data Model. *J. Clin. Med*. 2021 Sep 28, 10(19):4454. doi.org/10.3390/jcm10194454.
18. Kim JH, Lee HC, Kim SJ, Yoon SB, Kong SH, **Yu HW**, Chai YJ, Choi JY, Lee KE, Lee KW, Min SK, Shin CS, Park KJ. Perioperative hemodynamic instability in pheochromocytoma and sympathetic paraganglioma patients. *Sci Rep*. 2021 Sep 17;11(1):18574. doi: 10.1038/s41598-021-97964-3. PMID: 34535733
19. Ahn JH, Kwak JH, Yoon SG, Yi JW, **Yu HW**, Kwon H, Kim SJ, Lee KE. A prospective randomized controlled trial to assess the efficacy and safety of prophylactic central compartment lymph node dissection in papillary thyroid carcinoma. *Surgery*. 2021 Aug 12:S0039-6060(21)00611-5. doi: 10.1016/j.surg.2021.03.071. Online ahead of print. PMID: 34391573
20. Lee E, Lee K, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Comparison of Recurrent Laryngeal Nerve Identification Time in the Lower Central Triangle during Thyroid Surgery Using Neurophysiological Mapping and Monitoring. *Medicina* 2021, 57, 748.

21. Lee EK, Kang YE, Park YJ, Koo BS, Chung KW, Ku EJ, Won HR, Yoo WS, Jeon E, Paek SH, Lee YS, Lim DM, Suh YJ, Park HK, Kim HJ, Kim BH, Kim M, Kim SW, Yi KH, Park SK, Jung EJ, Choi JY, Bae JS, Hong JH, Nam KH, Lee YK, **Yu HW**, Go S, Kang YM; MASTER study group. A Multicenter, Randomized, Controlled Trial for Assessing the Usefulness of Suppressing Thyroid Stimulating Hormone Target Levels after Thyroid Lobectomy in Low to Intermediate Risk Thyroid Cancer Patients (MASTER): A Study Protocol. *Endocrinol Metab (Seoul)*. 2021 May 26. doi: 10.3803/EnM.2020.943.
22. Kwak J, Kim SJ, Xu Z, Lee K, Ahn JH, **Yu HW**, Chai YJ, Choi JY, Lee KE. Robotic Completion Thyroidectomy via the Bilateral Axillo-Breast Approach. *J Clin Med*. 2021 Apr 15;10(8):1707. doi: 10.3390/jcm10081707.
23. Lee H, Chai YJ, Joo H, Lee K, Hwang JY, Kim SM, Kim K, Nam IC, Choi JY, **Yu HW**, Lee MC, Masuoka H, Miyauchi A, Lee KE, Kim S, Kong HJ. Application of Federated Learning for Thyroid Ultrasound Image Analysis to Protect Personal Information: Validation Study in Real Healthcare Environment. *JMIR Med Inform*. 2021 Apr 3. doi: 10.2196/25869. Online ahead of print.
24. **Yu HW**, Kim BS, Lee JY, Lee K, Ahn M, Jang J, Cho DW, Choi JY. Tissue printing for engineering transplantable human parathyroid patch to improve parathyroid engraftment, integration, and hormone secretion in vivo. *Biofabrication*. 2021 Apr 26;13(3). doi: 10.1088/1758-5090/abf740. **(co-1st)**
25. **Yu HW**, Afzal M, Hussain M, Kwon H, Park YJ, Choi JY, Lee KE. Identifying Driver Genes Mutations with Clinical Significance in Thyroid Cancer. *Computers, Materials & Continua*. 2021. 67;1: 1241-1251. doi:10.32604/cmc.2021.014910 **(1st) (not Pubmed)**
26. Kim JI, Kim SJ, Xu Z, Kwak J, Ahn JH, **Yu HW**, Chai YJ, Choi JY, Lee KE. Efficacy of Intraoperative Neuromonitoring in Reoperation for Recurrent Thyroid

Cancer Patients. *Endocrinol Metab (Seoul)*. 2020 Dec;35(4):918-924. doi: 10.3803/EnM.2020.778. Epub 2020 Dec 23. PMID: 33397044

27. Kwak J, **Yu HW**, Lee KE. Bilateral Axillo-breast Approach Robotic Thyroid Surgery. *Ann Robot Innov Surg*. 2020 Dec;1(2):69-80. doi.org/10.37007/aris.2020.1.2.69. **(not Pubmed)**
28. Moon JH, Ryu CH, Cho SW, Choi JY, Chung EJ, Hah JH, Hwangbo Y, Jeong WJ, Jung YS, Kim JH, Kim MJ, Kim SJ, Kim YK, Lee CY, Lee EK, Lee JY, Lee KE, Lee YJ, Lee Y, **Yu HW**, Park DJ, Ryu J, Park YJ. Effect of initial treatment choice on 2-year quality of life in patients with low-risk papillary thyroid microcarcinoma. *J Clin Endocrinol Metab*. 2020 Nov 28:dga889. doi: 10.1210/clinem/dga889. Online ahead of print. PMID: 33248442
29. **Yu HW**, An AR, Kang HI, Suh YJ, Kwon H, Kim SJ, Chai YJ, Choi JY, Choi H, Lee KE, Cho B. Does Thyroidectomy Impact Quality of Life: Retrospective Case-Control Study of Post-Thyroidectomy Patients and Matched Individuals from the General Population. *Medicina (Kaunas)*. 2020 Nov 10;56(11):E603. doi: 10.3390/medicina56110603. PMID: 33182641 **(co-1st)**
30. Na HY, Moon JH, Choi JY, **Yu HW**, Jeong WJ, Kim YK, Choe JY, Park SY. Preoperative diagnostic categories of fine needle aspiration cytology for histologically proven thyroid follicular adenoma and carcinoma, and Hurthle cell adenoma and carcinoma: Analysis of cause of under- or misdiagnoses. *PLoS One*. 2020 Nov 4;15(11):e0241597. doi: 10.1371/journal.pone.0241597. eCollection 2020. PMID: 33147258
31. Lee J, Bae IE, Yoon J, Lee K, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Postoperative Chylothorax after Modified Radical Neck Dissection for Thyroid Carcinoma: A Missable Rare Complication of Thyroid Surgery. *Medicina (Kaunas)*. 2020 Sep 21;56(9):481. doi: 10.3390/medicina56090481. PMID: 32967181

32. Lee D, **Yu HW**, Kwon H, Kong HJ, Lee KE, Kim HC. Evaluation of Surgical Skills during Robotic Surgery by Deep Learning-Based Multiple Surgical Instrument Tracking in Training and Actual Operations. *J Clin Med*. 2020 Jun 23;9(6):E1964. doi: 10.3390/jcm9061964. **(co-1st)**
33. Choi JY, Bae IE, Kim HS, Yoon SG, Yi JW, **Yu HW**, Kim SJ, Chai YJ, Lee KE, Youn YK. Comparative study of bilateral axillo-breast approach endoscopic and robotic thyroidectomy: propensity score matching analysis of large multi-institutional data. *Ann Surg Treat Res*. 2020 Jun;98(6):307-314. doi: 10.4174/astr.2020.98.6.307. Epub 2020 May 28. PMID: 32528910
34. DH Lee, **HW Yu**, SL Kim, J Yoon, KC Lee, YJ Chai, JY Choi, HJ Kong, KE Lee, HS Cho, HC Kim. Vision-based Tracking System for Augmented Reality to Localize Recurrent Laryngeal Nerve During Robotic Thyroid Surgery. *Sci Rep*. 2020 May 21;10(1):8437. doi: 10.1038/s41598-020-65439-6. **(co-1st)**
35. Kim M, Kim SJ, Xu Z, Ha SY, Byeon JH, Kang EJ, Shin SH, Yoo SK, Jee HG, Yoon SG, Yi JW, Bae JM, **Yu HW**, Chai YJ, Cho SW, Choi JY, Lee KE, Han WS. BRAF V600E Transduction of SV40-immortalized Normal Human Thyroid Cell Line Induces Dedifferentiated Thyroid Carcinogenesis in a Mouse Xenograft Model. *Thyroid*. 2020 Mar 2. doi: 10.1089/thy.2019.0301.
36. Ali T, Hussain J, Amin MB, Hussain M, Akhtar U, Khan WA, Rehman UU, Lee SY, Kang BH, Hussain M, Afzal M, Han HS, Choi JY, **Yu HW**, Jamshed A. The Intelligent Medical Platform: A Novel Dialogue-Based Platform for Health-Care Services. *Computer*. 2020;53(2):35-45. DOI: 10.1109/MC.2019.2924393. **(not Pubmed)**
37. Seok J, Choi JY, **Yu HW**, Jung YH, Ahn SH, Jeong WJ. Papillary Thyroid Cancers of the Thyroid Isthmus: The Pattern of Nodal Metastasis and the Significance of Extrathyroidal Extension. *Ann Surg Oncol*. 2020 Jan 22. doi: 10.1245/s10434-020-08215-0.

38. Lee J, Kim SJ, **Yu HW**, Chai YJ, Choi JY, Lee KE. Changing Trends in Preoperative Localization and Surgical Techniques for the Treatment of Primary Hyperparathyroidism in a Single Tertiary Center. *J Endocr Surg*. 2019 Dec;19(4):126-135.
39. Lee DH, Kim YK, **Yu HW**, Choi JY, Park SY, Moon JH. Computed Tomography for Detecting Cervical Lymph Node Metastasis in Patients Who Have Papillary Thyroid Microcarcinoma with Tumor Characteristics Appropriate for Active Surveillance. *Thyroid*. 2019 Nov;29(11):1653-1659. doi: 10.1089/thy.2019.0100. Epub 2019 Sep 26.
40. **Yu HW**, Hussain M, Afzal M, Ali T, Choi JY, Han HS, Lee S. Use of mind maps and iterative decision trees to develop a guideline-based clinical decision support system for routine surgical practice: case study in thyroid nodules. *J Am Med Inform Assoc*. 2019 Jun 1;26(6):524-536. doi: 10.1093/jamia/ocz001. **(co-1st)**
41. **Yu HW**, Choi JY, Park YS, Park HS, Choi Y, Ahn SH, Kang E, Oh HK, Kim EK, Cho JY, Kim DW, Park DJ, Yoon YS, Kang SB, Kim HH, Han HS, Lee T. Implementation of a resident night float system in a surgery department in Korea for 6 months: electronic medical record-based big data analysis and medical staff survey. *Ann Surg Treat Res*. 2019 May;96(5):209-215. doi: 10.4174/astr.2019.96.5.209. Epub 2019 Apr 24. **(co-1st)**
42. Suh YJ, **Yu HW**, Kim SJ, Choe JY, Park HJ, Choi JY, Lee KE. Biocompatibility of n-butyl-2-cyanoacrylate (Histoacryl) in cervical structures of rats: prospective in vivo study. *Ann Surg Treat Res*. 2019 Apr;96(4):162-168. doi: 10.4174/astr.2019.96.4.162. Epub 2019 Mar 28.
43. Kim SJ, Kim MJ, Yoon SG, Myong JP, **Yu HW**, Chai YJ, Choi JY, Lee KE. Impact of smoking on thyroid gland: dose-related effect of urinary cotinine levels on thyroid function and thyroid autoimmunity. *Sci Rep*. 2019 Mar 12;9(1):4213. doi: 10.1038/s41598-019-40708-1.

44. Jee HG, Kim BA, Kim M, **Yu HW**, Choi JY, Kim SJ, Lee KE. Expression of SLC5A5 in Circulating Tumor Cells May Distinguish Follicular Thyroid Carcinomas from Adenomas: Implications for Blood-Based Preoperative Diagnosis. *J Clin Med.* 2019 Feb 18;8(2). pii: E257. doi: 10.3390/jcm8020257.
45. Kim HS, Hong N, Kim M, Yoon SG, **Yu HW**, Kong HJ, Kim SJ, Chai YJ, Choi HJ, Choi JY, Lee KE, Kim S, Kim HC. Application of a Perception Neuron® System in Simulation-Based Surgical Training. *J Clin Med.* 2019 Jan 21;8(1). pii: E124. doi: 10.3390/jcm8010124. **(corresponding)**
46. **Yu HW**, Bae IE, Yi JW, Lee JH, Kim SJ, Chai YJ, Choi JY, Lee KE. The application of subcapsular saline injection during bilateral axillo-breast approach robotic thyroidectomy: a preliminary report. *Surg Today.* 2019 Jan 2. doi: 10.1007/s00595-018-1748-2. [Epub ahead of print] PMID: 30604214 DOI: 10.1007/s00595-018-1748-2 **(1st)**
47. **Yu HW**, Bae IE, Kim SJ, Chai YJ, Moon JH, Ryu JH, Oh AY, Choi JY, Lee KE. Comparison of Intra-Operative Vital Sign Changes during Total Thyroidectomy in Patients with Controlled and Uncontrolled Graves' Disease. *J Clin Med.* 2018 Dec 19;7(12). pii: E566. doi: 10.3390/jcm7120566. PMID: 30572604 **(1st)**
48. **Yu HW**, Bae IE, Bae DS, Kim K, Choi JY, Lee KE. Bilateral Axillo-Breast Approach to Endoscopic Thyroidectomy in a Porcine Model. *Surg Laparosc Endosc Percutan Tech.* 2018 Sep 1. doi: 10.1097/SLE.0000000000000573. [Epub ahead of print] PMID: 30180139 **(1st)**
49. Yi JW, Yoon SG, Kim HS, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. Transoral endoscopic surgery for papillary thyroid carcinoma: initial experiences of a single surgeon in South Korea. *Ann Surg Treat Res.* 2018 Aug;95(2):73-79. doi: 10.4174/astr.2018.95.2.73. PMID: 30079323
50. Kim JK, Seong CY, Bae IE, Yi JW, **Yu HW**, Kim SJ, Won JK, Chai YJ, Choi JY, Lee KE. Comparison of Immunohistochemistry and Direct Sequencing Methods for

Identification of the BRAFV600E Mutation in Papillary Thyroid Carcinoma. *Ann Surg Oncol*. 2018 Apr 2. doi: 10.1245/s10434-018-6460-3.

51. Choi JY, **Yu HW**, Bae IE, Kim JK, Seong CY, Yi JW, Chai YJ, Kim SJ, Lee KE. Novel method to save the parathyroid gland during thyroidectomy: Subcapsular saline injection. *Head Neck*. 2018 Jan 22. doi: 10.1002/hed.25068. [Epub ahead of print] **(co-1st)**
52. Chai YJ, **Yu HW**, Song RY, Kim SJ, Choi JY, Lee KE. Lateral Transperitoneal Adrenalectomy Versus Posterior Retroperitoneoscopic Adrenalectomy for Benign Adrenal Gland Disease: Randomized Controlled Trial at a Single Tertiary Medical Center. *Ann Surg*. 2017 Nov 20. doi: 10.1097/SLA.0000000000002603. [Epub ahead of print] PMID: 29189215
53. **Yu HW**, Chai YJ, Kim SJ, Choi JY, Lee KE. Robotic-assisted modified radical neck dissection using a bilateral axillo-breast approach (robotic BABA MRND) for papillary thyroid carcinoma with lateral lymph node metastasis. *Surg Endosc*. 2017 Nov 3. doi: 10.1007/s00464-017-5927-9. [Epub ahead of print] PMID: 29101559 **(1st)**
54. Lee JH, Song RY, Yi JW, **Yu HW**, Kwon H, Kim SJ, Chai YJ, Choi JY, Moon JH, Lee KE, Park YJ, Park SK. Case-Control Study of Papillary Thyroid Carcinoma on Urinary and Dietary Iodine Status in South Korea. *World J Surg*. 2017 Oct 24. doi: 10.1007/s00268-017-4287-x. [Epub ahead of print] PMID: 29067516
55. Kim H, **Yu HW**, Bae IE, Yi JW, Lee JH, Kim SJ, Chai YJ, Choi JY, Lee KE. Prediction of Transient and Permanent Hypoparathyroidism after Total Thyroidectomy Using the Postoperative Serum Parathyroid Hormone Test: When Is the Best Time to Check? *J Endocr Surg*. 2017 Sep;17(3):104-113
56. **Yu HW**, Yi JW, Seong CY, Kim JK, Bae IE, Kwon H, Chai YJ, Kim SJ, Choi JY, Lee KE. Development of a surgical training model for bilateral axillo-breast approach

robotic thyroidectomy. *Surg Endosc*. 2017 Aug 25. doi: 10.1007/s00464-017-5816-2. [Epub ahead of print] PMID: 28842763 (1st)

57. Seong CY, **Yu HW**, Chai YJ, Lee KE. Oncoplastic Thyroid Surgery Using A Bilateral Axillo-Breast Approach. *J Minim Invasive Surg* 2017; 20(2): 51-57 <https://doi.org/10.7602/jmis.2017.20.2.51>
58. Lee JH, Suh YJ, Song RY, Yi JW, **Yu HW**, Kwon H, Choi JY, Lee KE. Preoperative flap-site injection with ropivacaine and epinephrine in BABA robotic and endoscopic thyroidectomy safely reduces postoperative pain: A CONSORT-compliant double-blinded randomized controlled study (PAIN-BREKOR trial). *Medicine (Baltimore)*. 2017 Jun;96(22):e6896. doi: 10.1097/MD.0000000000006896.
59. Lee JH, Hwang Y, Song RY, Yi JW, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE, Park SK. Relationship between iodine levels and papillary thyroid carcinoma: A systematic review and meta-analysis. *Head Neck*. 2017 May 17. doi: 10.1002/hed.24797. [Epub ahead of print]
60. Choi JY, Yi JW, Lee JH, Song RY, **Yu HW**, Kwon H, Chai YJ, Kim SJ, Lee KE. VDR mRNA overexpression is associated with worse prognostic factors in papillary thyroid carcinoma. *Endocr Connect*. 2017 Apr;6(3):172-178. doi: 10.1530/EC-17-0001. Epub 2017 Feb 21.
61. **Yu HW**, Chai YJ, Kwon H, Kim SJ, Choi JY, Lee KE. Bilateral Axillo-Breast Approach Robotic Thyroidectomy (BABA RT) Does Not Interfere with Breast Image Follow-Up. *World J Surg*. 2017 Mar 22. doi: 10.1007/s00268-017-3997-4. [Epub ahead of print] PubMed PMID: 28332058. (1st)
62. Yi JW, Kim SJ, Kim JK, Seong CY, **Yu HW**, Chai YJ, Choi JY, Lee KE. Upregulation of the ESR1 Gene and ESR Ratio (ESR1/ESR2) is Associated with a Worse Prognosis in Papillary Thyroid Carcinoma: The Impact of the Estrogen Receptor α/β Expression on Clinical Outcomes in Papillary Thyroid Carcinoma

Patients. *Ann Surg Oncol*. 2017 Jan 25. doi: 10.1245/s10434-017-5780-z. [Epub ahead of print] PubMed PMID: 28124274.

63. **Yu HW**, Chung JW, Yi JW, Song RY, Lee JH, Kwon H, Kim SJ, Chai YJ, Choi JY, Lee KE. Intraoperative localization of the parathyroid glands with indocyanine green and Firefly(R) technology during BABA robotic thyroidectomy. *Surg Endosc*. 2016 Nov 18. [Epub ahead of print] PubMed PMID: 27864717. **(1st)**
64. Chai YJ, Suh H, Woo JW, **Yu HW**, Song RY, Kwon H, Lee KE. Surgical safety and oncological completeness of robotic thyroidectomy for thyroid carcinoma larger than 2 cm. *Surg Endosc*. 2017 Mar;31(3):1235-1240. doi: 10.1007/s00464-016-5097-1. Epub 2016 Jul 15. PubMed PMID: 27422244.
65. Kim SH, **Yu HW**, Kim HY, Jo HS. Neonatal vitelline vein aneurysm with thrombosis: prompt treatment should be needed. *Ann Surg Treat Res*. 2015 Dec;89(6):334-7. doi: 10.4174/astr.2015.89.6.334. Epub 2015 Nov 27. PubMed PMID: 26665130; PubMed Central PMCID: PMC4672099.
66. Chai YJ, Hong JH, Koo do H, **Yu HW**, Lee JH, Kwon H, Kim SJ, Choi JY, Lee KE. Clinicopathological characteristics and treatment outcomes of 38 cases of primary thyroid lymphoma: a multicenter study. *Ann Surg Treat Res*. 2015 Dec;89(6):295-9. doi: 10.4174/astr.2015.89.6.295. Epub 2015 Nov 27. PubMed PMID: 26665123; PubMed Central PMCID: PMC4672092.
67. Chai YJ, Suh H, Yi JW, **Yu HW**, Lee JH, Kim SJ, Won JK, Lee KE. Factors associated with the sensitivity of fine-needle aspiration cytology for the diagnosis of follicular variant papillary thyroid carcinoma. *Head Neck*. 2016 Apr;38 Suppl 1:E1467-71. doi: 10.1002/hed.24261. Epub 2015 Nov 18. PubMed PMID: 26580475.
68. Woo JW, Suh H, Song RY, Lee JH, **Yu HW**, Kim SJ, Chai YJ, Choi JY, Lee KE. A novel lateral-approach laryngeal ultrasonography for vocal cord evaluation. *Surgery*. 2016 Jan;159(1):52-6. doi: 10.1016/j.surg.2015.07.043. Epub 2015 Sep 28. PubMed PMID: 26422765.

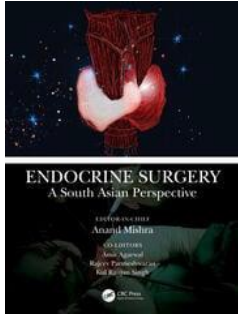
69. Lang BH, Wong CK, **Yu HW**, Lee KE. Postoperative nomogram for predicting disease-specific death and recurrence in papillary thyroid carcinoma. *Head Neck*. 2016 Apr;38 Suppl 1:E1256-63. doi: 10.1002/hed.24201. Epub 2015 Sep 2. PubMed PMID: 26332104.
70. Lang BH, **Yu HW**, Lo CY, Lee KE, Garcia-Barcelo MM, Woo YC, Lee PC, Wong KP, Tam PK, Lam KS. Bilateral Pheochromocytomas in MEN2A Syndrome: A Two-Institution Experience. *World J Surg*. 2015 Oct;39(10):2484-91. doi: 10.1007/s00268-015-3117-2. PubMed PMID: 26071011. **(co-1st)**
71. Chai YJ, Kwon H, **Yu HW**, Kim SJ, Choi JY, Lee KE, Youn YK. Systematic Review of Surgical Approaches for Adrenal Tumors: Lateral Transperitoneal versus Posterior Retroperitoneal and Laparoscopic versus Robotic Adrenalectomy. *Int J Endocrinol*. 2014;2014:918346. doi: 10.1155/2014/918346. Epub 2014 Dec 17. Review. PubMed PMID: 25587275; PubMed Central PMCID: PMC4281398.
72. **Yu HW**, Jung DH, Son SY, Lee CM, Lee JH, Ahn SH, Park DJ, Kim HH. Risk factors of postoperative pancreatic fistula in curative gastric cancer surgery. *J Gastric Cancer*. 2013 Sep;13(3):179-84. doi: 10.5230/jgc.2013.13.3.179. Epub 2013 Sep 30. PubMed PMID: 24156038; PubMed Central PMCID: PMC3804677. **(1st)**

PUBLICATION (Korean) – total 4 (main author 2)

1. 유형원, 최준영. 마인드 맵과 반복 결정 트리를 이용하는 갑상선 결절외과 치료 CDSS 를 위한 임상 지식 모델링. *한국통신학회지*. 2020 제 37 권 제 9 호, 28-33
2. 유형원, 이은솔, 고우균, 한호성, 한현욱. 헬스케어 빅데이터 유통을 위한 블록체인기술 활성화 방안. *한국빅데이터학회지* 제 3 권 제 1 호, 2018, pp. 73-82 **(1st)**

3. Ju YW, Kim SJ, Chai YJ, Yi JW, Seong CY, Kim JK, **Yu HW**, Choi JY, Lee KE. Clinicopathologic Features in Minimally Invasive Follicular Thyroid Cancer Patients with Distant Metastasis. Korean J Endocr Surg 2016;16:100-106. <https://doi.org/10.16956/kaes.2016.16.4.100>
4. Kim YM, Kim SJ, Yi JW, Seong CY, Kim JK, **Yu HW**, Chai YJ, Choi JY, Lee KE. Postoperative Adhesion after Thyroid Surgery. Korean J Endocr Surg 2016;16:94-99. <https://doi.org/10.16956/kaes.2016.16.4.94>

BOOK

 <p>ENDOCRINE SURGERY A South Asian Perspective</p>	<p>Endocrine Surgery (1st edition, 2022) CRC Press Chapter. Remote Access Thyroid and Parathyroid Surgery HW Yu, JY Choi</p>
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AWARD

* Award for best overall paper

Korean Association of Thyroid and Endocrine Surgeons (2019-04-19)

Title: Bio-3D printing of parathyroid glands: Laboratory culture of parathyroid tissue, and survival experiment after animal implantation