



Curriculum Vitae

Jung Hwan Baek, MD, PhD

Place of Birth: Busan, Republic of Korea (South Korea)

Date of Birth: June 28, 1964

Nationality: Republic of Korea (South Korea)

Position

(1) Professor

- Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea (2018~)

(2) Director

- Asan International Radiology Master Course of Thyroid (2012~)

(3) President, past

- Korean Society of Thyroid Radiology (KSThR, 2017~2021)

(4) Chair, past

- 2022 Asian Conference on Tumor Ablation (ACTA)

(5) Direct member

- Asian Society on Tumor Ablation (ASTA)

(6) Vice President, past

- Korean Thyroid Association (KTA, 2022~2023)

(7) Chair, past

- Research Affair, Department of Radiology and Research Institute of Radiology,
University of Ulsan College of Medicine, Asan Medical Center

(8) Director

- MCTR (Master Course of Thyroid Radiofrequency ablation), Asia, Europe,
Brazil and USA

Present Address

Professor

Department of Radiology and Research Institute of Radiology

University of Ulsan College of Medicine, Asan Medical Center, 86 Asanbyeongwon-
Gil, Songpa-Gu, Seoul 05505, Korea

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FAX: 82-2-476-0090

E-Mail Address: radbaek@naver.com

Bibliometric Indicators

- Total Publications: 412
- Total Citations: **22,629**
- h-index: 77
- Research Interest Score: **9,892**

Homepage & Orcid, SNS

- Thyroid Research (www.gap.kr)
- Naver Blog: <https://blog.naver.com/radbaek>
- Orcid: <http://orcid.org/0000-0003-0480-4754>
- LinkedIn: <https://www.linkedin.com/in/jung-hwan-baek-66399539/>
- Facebook: <https://www.facebook.com/junghwan.baek.39/>
- Researchgate: https://www.researchgate.net/profile/Jung_Baek2
- 과학기술인등록번호: 1140 0957

Education

1983.2-1989.3: BS/MD, Hanyang University, College of Medicine, Seoul, Korea

2011.3-2013.2: MS, University of Ulsan College of Medicine, Ulsan, Korea

2013.3-2015.2: PhD, University of Ulsan College of Medicine, Ulsan, Korea

Military Service

1989.3-1992.4: Chungcheongbuk-Do, South Korea

Post-graduate Education

1992.5-1993.2 Internship, Hanyang University Hospital, Seoul, Korea

1993.3-1997.2 Residency of Radiology, Hanyang University Hospital, Seoul, Korea

Academic & Hospital Appointments

1997.3-2008.9: Department of Radiology, Daerim St. Mary's Hospital, Seoul, Korea

2000.2-2008.9: Chief of Department of Radiology, Daerim St. Mary's Hospital, Seoul, Korea

2005.4-2008.9: Chief of Thyroid Center and Department of Radiology, Daerim St. Mary's Hospital, Seoul, Korea

2008.10~2015.2: Associate professor, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2015.3~: Professor, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2011~: Director, Master Course of Thyroid RFA in Europe and USA

2011.10~: Director of Asan International Radiology Master Course (AirMC) of Thyroid, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2013.8~2021.4: Chief of Research Affair, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2015~: Director, Thyroid Radiofrequency Ablation Hands-on Workshop

2015~: 한국보건의료원 연구기획 자문위원

2015.3~: 대한영상의학회 평의원

2016.7~2025.5.31: 대한초음파의학회 평의원

2018.3.21 ~ 2021.2.28: 대한영상의학회 임상연구네트워크 고문

2018.7~ 2023.7: 한국분쟁조정중재원 의료사고감정단 자문위원

2019.6.1~: 서울아산병원 교원 초빙 및 평가위원회 위원

2020.2.1~: 재단법인 한국초음파의학재단의 등기 이사

2020.9.6~2025: 한국보건의료연구원 「의료기술재평가 자문단」 자문위원

2021.8~: 영상의학과 임상 역량 강화 기획 위원회 (Radiology Clinical Competency Project Committee, RCCP Committee) 자문위원

2022~: 건강보험심사평가원 EBH 소위원회 위원

2023~: 갑상선특별호 초청편집장 갑상선고주파절제의 임상적용: 현재와 미래

2023~: 대한갑상선학회 갑상선암 진료 가이드라인 외부자문위원

2025~: 대한갑상선영상의학회-갑상선학회 저위험 미세갑상선유두암의 고주파절제술 진료권고안 제정위원

2015.3~2018.2: Chief of Guideline committee, Korea Society of Radiology

2015.3~: Professor, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2015.10~2016.9: Chief of Neuroradiology/Head & Neck/Thyroid Section, Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea

2016.3~2018.2: Chief of Center for Bioimaging of New Drug Development, Asan Institute for Life Sciences, Asan Medical Center, University of Ulsan College of Medicine, Seoul, South Korea

2016~2017: Vice President, Korean Society of Thyroid Radiology

2018~2021: President, Korean Society of Thyroid Radiology
2021~: Advisory member, Korean Society of Thyroid Radiology
2018~: Director, Master Course of Thyroid RFA in USA
2022: Hosting Chair, Asian Conference on Tumor Ablation (ACTA) 2022
2022~2023: Vice president, Korean Thyroid Association (KTA)
2023~: Auditor of the Korean Society of Ultrasound and Medicine (KSUM)
2023~: Co-Director for Non-surgical Interventions on Thyroid & Parathyroid Diseases:
Thermal & Chemical Ablation, USA
2023: Co-Chair, Asian Conference on Tumor Ablation (ACTA) 2023
2025: Conference faculties for ACTA 2025
2025: Director and Honorary Chair, Master Course of Thyroid RFA in Brazil
2025~: Auditor of the Korean Society of Radiology
2025~: A **panelist** in the development of **an official practice guidance document on thyroid ablation, sponsored by the Society of Interventional Radiology (SIR)**
2026:

Memberships, Offices and Committee assignments in professional societies

1989: The Korean Medical Association
1997: The Korean Society of Radiology (Committee member: 2015-2017)
2005: The Korean Society of Thyroid Radiology (Vice president 2016-2017, Committee member: 2005-2016)
The Korean Society of Neuroradiology and Head & Neck Radiology
2007: The Korean Thyroid Association (Committee member: 2007-2010, 2014-2015)
The Korean Society of Image-guided Tumor Ablation (Committee member: 2012-2014)
2007: Member of Guideline Committee of Korean Thyroid Association
2008: The Korean Society of Ultrasound in Medicine (Committee member: 2011-2015)
2009: The Asia and Oceania Thyroid Association
2012: The Korean Society of Interventional Radiology
2012: Cardiovascular and Interventional Radiological Society of Europe (CIRSE)
2013: The Asian Conference of Tumor Ablation (ACTA, Director member: 2013~)

2014: Asia-Pacific Association of Imaging-guided Minimally Invasive Therapy in Oncology (AAMIO, board of directors 2014-2016)

2015: Asia-Pacific Society of Thyroid Surgery (APTS, member of advisory committee 2015)

2016: The Korean Society of Thyroid Radiology (President 2018~, Vice president 2016-2017, Committee member: 2005-2017)

2017: The Frontiers in the clinical management of thyroid disease (Committee member 2017)

2018: Asia-Pacific Association of Image-Guided Therapy in Oncology (APAITO, Scientific Committee member 2018)

2018: Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB) and Korean Societies for Ultrasound in Medicine (KSUM) open 2018 (Organizing Committee Member and Chair of KSThR 2018)

2018~: Asian Society of Tumor Ablation (ASTA) Board, Director member

2019: Scientific Committee of 1st International Meeting on Thyroid Ultrasound-Guided, Minimally Invasive Therapies

2020~2021: Chair, Guideline Committee of Asian Society of Tumor Ablation (ASTA)

2021~: Member of Guideline Committee for Radiofrequency ablation and related ultrasound-guided ablation technologies for treatment of benign and malignant thyroid disease: An international multidisciplinary consensus statement of the American Head and Neck Society Endocrine Surgery Section with the Asia Pacific Society of Thyroid Surgery, Associazione Medici Endocrinologi, British Association of Endocrine and Thyroid Surgeons, European Thyroid Association, Italian Society of Endocrine Surgery Units, Korean Society of Thyroid Radiology, Latin American Thyroid Society, and Thyroid Nodules Therapies Association

2021~: Advisory member: Korean Society of Radiology, RCCP (Radiology Clinical Competency Project)

2021~: Advisory member: Korean Society of Thyroid Radiology (KSThR)

2022~: Hosting Chair, Asian Society of Tumor Ablation (ASTA) 2022, Seoul, Korea

2022~: Member of Guideline Committee Thermal ablation of thyroid nodule, American Thyroid Association® (ATA)

2023~: Committee member, Korean Societies for Ultrasound in Medicine (KSUM)

2023~2024: Advisory member, The 16th Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB 2024)

2024~: Expert multidisciplinary research consensus panel (RCP), The Society of Interventional Radiology (SIR) Foundation

2024~: Board of Director and Distinguished Faculty Member, The Asian Conference On Tumor Ablation (ACTA) 2024 Congress.

2024~: International research consensus panel for “Role of Locoregional Therapies in the Treatment of Thyroid Pathology: Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel”

2004~: Board of Director Member, PanArab Society of Interventional Endocrinology and Diabetes Technology (PASID)

2025~: **자문위원**, 대한갑상선학회 "2025 갑상선기능항진증의 방사성요오드 치료에 대한 진료 권고안"

2025~: A Guideline committee member for “RFA of low-risk PTMC”, **Korean Society of Thyroid Radiology and Korean Thyroid Association.**

Editorial Board and/or Reviewer (More than 40 peer review articles)

- **Thyroid:** Editorial Board member (January 1, 2019 ~)
- **European Radiology:** Scientific Editorial Board member (Head and Neck section, 2019~2021)
- **Korean Journal of Radiology:** Editorial Board member of ‘Thyroid Section’ (2017~)
- **International Journal of Hyperthermia:** Editorial Board member (2017~)
- **Ultrasonography:** Thyroid section editor (2014-2015) and reviewer (2014~)
- **European Radiology Experimental:** Editorial Board member (2018~)
- **Annals of Thyroid:** Editorial Board member (Sep, 2017 ~ Aug, 2019)
- **Radiology**
- **Endocrine** and so on

Specialty Certification

1989: The Korean Board of Medical Association

1997: The Korean Board of Radiology

2012~: 초음파인증의 및 교육인증의, 대한초음파학회

2020, 2023 지도전문의 자격증

GCP Certification

The Collaborative Institutional Training Initiative (CITI): 05-Mar-2010

The Collaborative Institutional Training Initiative (CITI): 08-Mar-2012

The Collaborative Institutional Training Initiative (CITI): 11-Mar-2014

The Collaborative Institutional Training Initiative (CITI): 07-Jan-2016

The Collaborative Institutional Training Initiative (CITI): 25-Oct-2017

KGCP: 08-Dec-2018

KGCP: 19-Dec-2019

KGCP: 18-Nov-2020, 2021, 2022, 2023, 2024, 2025

Education of persons conducting clinical trials, etc [임상시험 종사자 교육]

2017-08-03 시험책임자 및 시험담당자 심화과정 수료

2017-10-25 시험책임자 및 시험담당자 심화과정 수료

25-Oct-2017 임상시험 등 종사자 교육 심화과정 수료

19-Dec-2019 임상시험 등 종사자 교육 심화과정 수료

28-May-2020 임상시험 등 종사자 교육 심화과정 수료

18-Nov-2020 공통 보수 (시험책임자 및 시험담당자 보수 2시간) (GCP 포함)

Conflict of interest

- Consultant of STARmed: 2017~
- Consultant of RF Medical: 2017~2022
- Samsung Medison: S-detect for thyroid

Major specialty

- Thyroid and Neck Tumors
- Imaging and US-guided fine-needle aspiration and core-needle biopsy
- Image-guided tumor ablation (Radiofrequency and Ethanol ablation)
- Artificial intelligence in diagnosis of thyroid cancer and metastatic lymph nodes

Honors and Awards

1. **Travelers' Grant** of Korean Thyroid Association, 2008
2. **Travelers' Grant** of Korean Thyroid Association, 2009
3. **Scientific Excellence Award** of 2010 Korean Society of Image-guided Tumor Ablation.
4. **Travelers' Grant** of Korean Thyroid Association, 2010
5. **Cum Laude** in CIRSE 2012 as an electronic poster. Radiofrequency ablation of benign nonfunctioning thyroid nodules: 111 patients with 3-year follow-up
6. **Scientific Award (Silver)** in 68th Korean Congress of Radiology, 2012
7. **Scientific Award in** 2012 Joint congress of Medical Ultrasound in Seoul (KSUM, ACUCI and KSThR). "Different risk of malignancy and management plans in subcategories of thyroid nodules with atypia of undetermined significance or follicular lesion of undetermined significance: The role of US-guided core-needle biopsy"
8. **Scientific Award in** 2012 Joint congress of Medical Ultrasound in Seoul (KSUM, ACUCI and KSThR). "Radiofrequency Ablation for Autonomously Functioning Thyroid Nodules: A Multicenter Study".
9. **Certificate of Merit** in RSNA Annual Meeting 2012. US-based Review of the Neck Nerve Anatomy and Its Spatial Relationships: From Diagnosis of Neurogenic Tumors to Prevention of Iatrogenic Nerve Injuries During US-guided Procedures
10. **Best Scientific Award** in 2012 Korean Society of Image-guided Tumor Ablation by "Efficacy of additional treatment session of radiofrequency ablation for symptomatic benign thyroid nodules: a prospective randomized study". Radiology 2012 Jun;263(3):909-16.

11. **최우수연구교수상** 2012. 울산의대 서울아산병원 영상의학과
12. **Best Poster Award (Bronze)**, KSUM (Korean Society of Ultrasound in Medicine) Open 2013
13. **Best Poster Award (Honorary mention)**, KSUM (Korean Society of Ultrasound in Medicine) Open 2013. “Radiofrequency ablation of bilateral benign thyroid nodules”
14. **Best Presentation Award**, IOSFC (Interventional Oncology Sans Frontières Social) 2013
15. **Best Poster Award** in Korea-Japan ITA meeting 2013 “How to select best non-surgical treatment for thyroid nodules”
16. **Cum Laude** in CIRSE 2013 as an electronic poster. “Ultrasound-based review of neck nerve anatomy and its spatial relationships for prevention of iatrogenic nerve injuries during US-guided procedures”.
17. **Certificate of Merit** in CIRSE 2013 as an electronic poster. “Radiofrequency ablation of bilateral benign thyroid nodules”.
18. **Korean Journal of Radiology, Most citation award**. 69th Korean Congress of Radiology (KCR) 2013
19. **Scientific Award** of 2013 Korean Society of Image-guided Tumor Ablation by “Radiofrequency ablation of benign nonfunctioning thyroid nodules: 4-year follow-up results in 111 patients. Eur Radiol. 2013 Apr;23(4):1044-9”.
20. **Poster Award**, The 1st Asian Conference on Tumor Ablation by “Comparative efficacy of radiofrequency ablation for the treatment of benign thyroid nodules: Systematic review and Bayesian network meta-analysis”. 3-4 May 2014 Taipei, Taiwan
21. **Best Poster Award (Silver)**, KSUM (Korean Society of Ultrasound in Medicine) Open 2014 by “Diagnosis of thyroid follicular neoplasm: fine-needle aspiration versus core-needle biopsy”. 23-24 May 2014, Seoul, Korea
22. **International Scientific Award** in KSUM (Korean Society of Ultrasound in Medicine) Open 2014 “Thyroid nodules with initially nondiagnostic cytologic results: The role of core needle biopsy”. Radiology 2013 Jul;268(1):274-80. 23-24 May 2014, Seoul, Korea

23. **Best Poster Award** in 1st Asian Congress of Tumor Ablation 2014 by Comparative Efficacy of Radiofrequency and Laser Ablation for the Treatment of Benign Thyroid Nodules: Systematic Review Including Traditional Pooling and Bayesian Network Meta-analysis
24. **Korean Journal of Radiology** 발전상. 70th Korean Congress of Radiology (KCR), 2014
25. **Best Scientific Award** in “Topic Highlight”. Korean Thyroid Association (KTA) 2014 by Comparative Efficacy of Radiofrequency and Laser Ablation for the Treatment of Benign Thyroid Nodules: Systematic Review Including Traditional Pooling and Bayesian Network Meta-analysis. 29-30 August 2014, Busan, Korea
26. **Special Award of Merit** in 10th Chinese Conference of Minimally Invasive Therapy in Oncology and the 1st Scientific Meeting of Asia-Pacific Association of Imaging guided Therapy in Oncology “Radiofrequency Ablation for Thyroid Tumor”. November 6-8, 2014, Shanghai, China.
27. **Genzyme Scientific Award** in Korean Thyroid Association (KTA) 2015 by “Thyroid nodules with initially nondiagnostic cytologic results: The role of core needle biopsy”. Radiology 2013 Jul;268(1):274-80. 6-7 March 2015, Seoul, Korea
28. **Best Scientific presentation award** in Korean Thyroid Association (KTA) 2015 by “Role of CT in diagnosis of thyroid cancer” as a co-author. 6-7 March 2015, Seoul, Korea
29. **표창장**. 서울아산병원, 2015
30. **“Certificate of Merit”** of KSUM Open 2015 Best Poster Award by The Role Of Core-needle Biopsy As A First-line Diagnostic Tool For Initially Detected Thyroid Nodules. 15-16 May 2015, Seoul, Korea
31. **“The 10% best rated scientific papers”** in CIRSE 2015. Radiofrequency versus ethanol ablation for treating predominantly cystic thyroid nodules: a randomized clinical trial.

32. **Best oral presentation** in the Asian Congress of Tumor Ablation (ACTA) 2015 “Radiofrequency ablation of benign thyroid nodules: A prospective multicenter study”.
33. **Young Investigator Travel Grant Award (YIA)** for 15th International Thyroid Congress (ITC) 2015 selected by Asia and Oceania Thyroid Association (AOTA). “Radiofrequency versus ethanol ablation for treating predominantly cystic thyroid nodules: a randomized clinical trial.”
34. **Certificate of Merit** award for “**Ultrasonography-based Thyroidal and Perithyroidal Anatomy and its Clinical Significance**” at the 101st Scientific Assembly and Annual Meeting of the Radiological Society of North America, November 29-December 4, 2015, McCormick Place, Chicago, Illinois
35. **Scientific Award** of 2015 Korean Society of Image-guided Tumor Ablation by Comparative Efficacy of Radiofrequency and Laser Ablation for the Treatment of Benign Thyroid Nodules: Systematic Review Including Traditional Pooling and Bayesian Network Meta-analysis. J Clin Endocrinol Metab 2015 May;100(5):1903-11.
36. 2016 Korean Society of Radiology-Korean Journal of Radiology 발전상
37. 2016 **Best reviewer**, Korean Journal of Radiology and Journal of Korean Society of Radiology.
38. **Student travel award** in RSNA Annual Meeting 2016. “SSM17-04: Role of Core-needle Biopsy as a Gatekeeper in Patients with Initially Detected Thyroid Nodules”.
39. **Grand Prix** (Poster Presentation) in 3rd Asian conference on Tumor Ablation (ACTA) 2016. Oct 28-29 2016 “RFA of thyroid nodules: Updates on Technique and Treatment Approach”.
40. **최우수 연구 교수상** 2016. 울산의대 서울아산병원 영상의학과
41. 서울아산병원과 한국마이크로소프트가 함께 하는 의료 빅데이터 분석 콘테스트 과제선정 “Metastatic lymph nodes from thyroid cancer 의 모양에

따른 정상 여부 구별 기법 개발”

42. **Young Investigator Award** “Differentiation of thyroid malignant lymph node from benign lymph node using artificial intelligence” in 48th Annual Congress of Korean Society of Ultrasound in Medicine (KSUM Open 2017) May 26-27 2017
43. **Gran Prix Prize** of the Best Poster Award in KSUM Open 2017. “US-guided ablations of primary and recurrent thyroid cancers” in 48th Annual Congress of Korean Society of Ultrasound in Medicine (KSUM Open 2017) May 26-27 2017
44. **Bronze Prize** for the Best Poster Award of KSUM Open 2017. “Safety of Radiofrequency Ablation of Benign Thyroid Nodules and Recurrent Thyroid Cancers: A Systematic Review and Meta-Analysis” in 48th Annual Congress of Korean Society of Ultrasound in Medicine (KSUM Open 2017) May 26-27 2017
45. **Certificate of Merit** of KSUM Open 2017 Best Poster Award. “Detection of malignancy among suspicious thyroid nodules less than 1 cm with various thyroid image reporting and data systems” in 48th Annual Congress of Korean Society of Ultrasound in Medicine (KSUM Open 2017) May 26-27 2017
46. **Distinguished Achievement Award**. The 4th Asian Conference on Tumor Ablation (ACTA). Nov 18-19 2017
47. 2017 **Best reviewer**, Korean Journal of Radiology and Journal of Korean Society of Radiology.
48. 2017 **Radiology Editor’s Recognition Award** for reviewing with Distinction.
49. **최우수 연구 교수상** 2017. 울산의대 서울아산병원 영상의학과
50. 2018 년 대한내분비학회 EnM **학술상**. A comparison of ultrasound-guided fine needle aspiration versus core needle biopsy for thyroid nodules: Pain, tolerability and complications.

51. 2018 우수심사자상, Korean Journal of Radiology and Journal of Korean Society of Radiology.
52. 2018 **Radiology Editor's Recognition Award** for reviewing with Distinction.
53. 2018 고객칭찬상. 국제진료센터, 서울아산병원
54. KSUM Open 2019, 국제 저술상
55. 2019 우수심사자상, Korean Journal of Radiology and Journal of Korean Society of Radiology.
56. **최우수 연구 교수상** 2019. 울산의대 서울아산병원 영상의학과
57. Best Scientific Exhibition Awards (Grand Prix), Radiofrequency ablation for recurrent thyroid cancer at KCR 2020
58. 2020 우수심사자상, Korean Journal of Radiology and Journal of Korean Society of Radiology.
59. Best Scientific Exhibition Awards (Silver), Radiofrequency ablation for recurrent thyroid cancer at KSUM 2020
60. Young investigator award (Gold), Radiofrequency ablation for recurrent thyroid cancer at KSUM 2020
61. Best poster award, 8th Asian Conference on Tumor Ablation (ACTA 2022), radiofrequency ablation of recurrent thyroid cancer: Anatomy based management.
62. Best oral presentation, 8th Asian Conference on Tumor Ablation (ACTA 2022), Radiofrequency ablation of benign thyroid nodules: anterolateral hydrodissection.
63. 국제저술상 KSUM 2023. Diagnostic Performance of Five Adult-based US Risk Stratification Systems in Pediatric Thyroid Nodules. Radiology. 2022 Oct;305(1):190-198.
64. [대한영상의학회] KSR-교육상 2023. e-learning "Limitations of RFA for thyroid

cancer”.

65. Korean Journal of Radiology Honors Distinguished Reviewers for 2024
66. Most frequently citation 2022-2023 at KJR: Comparison of Thermal Ablation and Surgery for Low-Risk Papillary Thyroid Microcarcinoma: A Systematic Review and Meta-Analysis (KJR, 2021)
67. **Best reviewer**, Korean Journal of Radiology 2024
68. KCR 2024 Photo Contest. Honorary Mentions (SCENERY) “Lonely wooden ships”
69. **Scientific Award** of 2024 Korean Society of Image-guided Tumor Ablation
70. **Best reviewer** 2003-2024, Ultrasonography
71. **Best reviewer**, Korean Journal of Radiology 2025
72. **2025 년도 대한 ITA 영상의학회 학술상 우수상 (제 1 저자 임헌종).**
Efficacy and Safety of Thermal Ablation for Indeterminate Thyroid Nodules: A Systematic Review of the Literature and Meta-Analysis.
73. **2025 년도 대한 ITA 영상의학회 학술상 최 우수상 (제 1 저자 이민경).**
Radiofrequency Ablation for Recurrent Thyroid Cancers: 2025 Korean Society of Thyroid Radiology Guideline.
74. **Best reviewer** 2004-2025, Ultrasonography

Research Fund (Primary investigator)

1. 초음파 유도하 고주파 절제술에서 양극성 전극 (bipolar electrode)의 사용
가능성과 안전성을 위한 동물 실험. 2011.2.1 ~ 2011.12.31. STAR Med
2. 방사선노출 저감을 위한 영상진단 가이드라인 개발. 2015.3.2~2015.12.31.
대한영상의학회/한국보건의료연구원
3. S-Detect for Thyroid. Samsung Medison. 2015.7.1~2016.2.28

4. Computer-aided diagnosis system for diagnosing and characterization of thyroid nodules on ultrasound (초음파를 이용한 갑상선 결절의 진단 및 특징화를 위한 컴퓨터 자동진단시스템). Samsung Medison. 2016.10.1~2018.12.31
5. RFA of primary micropapillary thyroid carcinoma. 2023~ STARmed
6. RFA of benign thyroid nodules with perfusion electrode for benign thyroid nodule. RF Medical
7. RFA of parathyroid adenoma causing hyperparathyroidism

Patent

- Unidirectional ablation electrode for thyroid
- 갑상선암 자동판별 및 시스템 (10-2014-0165481)
- 심층신경망을 이용한 골 연령 산출방법 및 프로그램 (10-2015-0109822)

Chapters & Books

1. 갑상선 영상진단과 중재시술 1st edition. Chapter “Thyroid radiofrequency ablation” 일조각 2009.10
2. 갑상선질환 완치를 위한 건강한 갑상선 만들기. 서울아산병원 갑상선 진료팀. 한국의학 2012.10.20
3. Interventional radiology techniques in ablation. Techniques in interventional radiology. 2013, Part 2, Springer London, Page 53-72. Chapter “Radiofrequency ablation of thyroid and parathyroid nodules”.
4. 갑상선 영상진단과 중재시술 2nd edition. Chapter “Thyroid intervention”. 일조각 2013.12
5. 갑상선두경부외과학 교과서Chapter 10 “초음파 유도하 고주파 절제술과 경화치료 (Ultrasound-guided Radiofrequency Ablation and Sclerotherapy)” 범문에듀케이션 2014년 11월 21일

6. 두경부영상의학 교과서. Chapter “중재적시술: 비수술적 치료”.
범문에듀케이션 2015.10
7. Handbook of minimally invasive therapies in endocrine neck diseases. Update in percutaneous and surgical techniques”. 2015, Elsevier, London, UK, Chapter “Percutaneous radiofrequency ablation”.
8. 3rd Edition of Surgery of the Thyroid and Parathyroid Glands by Gregory Randolph. Spring 2020. Elsevier, London, UK, Chapter “Laser and Radiofrequency Treatment of Thyroid Nodules and Parathyroid Adenoma”.
9. Werner and Ingbar’s The Thyroid, 11th edition. Chapter “Nonisotopic techniques of thyroid imaging”
10. Diagnosis and Management of Endocrine Disorders in Interventional Radiology. First Online: 01 January 2022. Chapter “Interventional Treatment of Thyroid Nodules” pp 259-295
11. **Thyroid Disease Manager** Chapter 31 “**Thermal Ablation for Thyroid Nodules**”, by Jung Hwan Baek, MD, PhD and So Yeong Jeong, MD, PhD, an online textbook that had been originally created by the late Les DeGroot.

YouTube Posting

1. **2016 Master Course of Thyroid Radiofrequency in Europe**
<https://www.youtube.com/watch?v=yMKMrdEzF24>
2. **2015 Master Course of Thyroid Radiofrequency in Europe**
<https://www.youtube.com/watch?v=5f841HwHUY4>
3. **Thyroid radiofrequency ablation: Technique**
<https://www.youtube.com/watch?v=kLBfbqP2iqI>
4. **Thyroid CAD system and TIRADS**
<https://www.youtube.com/watch?v=Bb2NNpF3zpI>
5. **Thyroid RFA Lecture in ISIVR 2017**
<https://www.youtube.com/watch?v=o-LSaMQIiDU>

Scientific Paper Publication

Total: 412

First & Corresponding author, SCI/SCIE/ESCI: 206

Co-author, International: 166

Other publications: 40

Scientific Paper Publications (First & Corresponding author, SCI/SCIE/ESCI)

1. Jeong WK, **Baek JH**, Rhim H, Kim YS, Kwak MS, Jeong HJ, Lee D. Radiofrequency ablation of benign thyroid nodules: safety and imaging follow-up in 236 patients. Eur Radiol. 2008 Jun;18(6):1244-50.
2. **Baek JH**, Jeong HJ, Kim YS, Kwak MS, Lee D. Radiofrequency ablation for an autonomously functioning thyroid nodule. Thyroid. 2008;18(6): 675-676.
3. Sung JY, **Baek JH**, Kim YS, Jeong HJ, Kwak MS, Lee D, Moon WJ. One-step Ethanol Ablation of Viscous Cystic Thyroid Nodules. Am J Roentgenol. 2008; 191:1730-1733.
4. **Baek JH**, Moon WJ, Kim YS, Lee JH, Lee D. Radiofrequency Ablation for the Treatment of Autonomously Functioning Thyroid Nodules. World J Surg. 2009 sep;33(9):1971-7.
5. **Baek JH**, Kim YS, Lee D, Huh JY, Lee JH. Benign predominantly solid thyroid nodules: prospective study of efficacy of sonographically guided radiofrequency ablation versus control condition. AJR 2010;194(4):1137-42.
6. Lee JH, Kim YS, Lee D, Choi H, Yoo H, **Baek JH**. Radiofrequency Ablation (RFA) of Benign Thyroid Nodules in Patients with Incompletely Resolved Clinical Problems after Ethanol Ablation (EA). World J Surg. 2010 34:1488-1493.
7. Kim SM, **Baek JH**, Kim YS, Sung JY, Lim HK, Choi H, Lee JH. Efficacy and Safety of Ethanol ablation for Thyroglossal Duct Cysts. AJNR Am J Neurotadiol. 2011 Feb;32(2):306-9.
8. Sung JY, Kim YS, Choi H, Lee JH, **Baek JH**. Optimum first-line treatment modality for benign cystic thyroid nodules: ethanol ablation or radiofrequency ablation? AJR Am J Roentgenol. 2011 Feb;196(2):W210-4.

9. **Baek JH**, Kim YS, Sung JY, Choi H, Lee JH. Locoregional control of metastatic well differentiated thyroid cancer by ultrasound-guided radiofrequency ablation. *AJR Am J Roentgenol.* 2011 Aug; 197(2):W331-6.
10. Na DG, Lee JH, Kim SM, Lim HK, **Baek JH**. Unidirectional ablation electrode to minimize thermal injury during radiofrequency ablation: An experimental study in an ex-vivo bovine liver model. *J Vasc Interv Radiol* 2011 Jul;22(7):935-40.
11. Ha EJ, **Baek JH**, Lee JH, Kim JK, Shong YK. Clinical significance of vagus nerve variation in radiofrequency ablation of thyroid nodules. *Eur Radiol.* 2011 Oct;21(10):2151-7.
12. **Baek JH**, Lee JH, Valcavi R, Pacella CM, Rhim H, Na DG. Thermal ablation for benign thyroid nodules: Radiofrequency and laser. *Korean J Radiol.* 2011 Sep-Oct;12(5):525-540.
13. Ha EJ, **Baek JH**, Lee JH. The efficacy and complications of radiofrequency ablation of thyroid nodules. *Curr Opin Endocrinol Diabetes Obes.* 2011 Oct;18(5):310-4.
14. **Baek JH**, Lee JH, Sung JY, Bae JI, Kim KT, Sim J, Baek SM, Kim Y, Shin JH, Park JS, Kim DW, Kim JH, Kim EK, Jung SL, Na DG; Korean Society of Thyroid Radiology. Complications Encountered in the Treatment of Benign Thyroid Nodules with US-guided Radiofrequency Ablation: A Multicenter Study. *Radiology* 2012 Jan: 262(1);335-342.
15. Na DG, Lee JH, Jung SL, Kim J, Sung JY, Shin JH, Kim EK, Lee JH, Kim DW, Park JS, Kim KS, Baek SM, Lee Y, Chong S, Sim JS, Huh JY, Bae JI, Kim KT, Han SY, Bae MY, Kim YS, **Baek JH**, for Korean Society of Thyroid Radiology (KSThR), Korean Society of Radiology. Radiofrequency ablation of benign thyroid nodules and recurrent thyroid cancers: Consensus statement and recommendations. *Korean J Radiol.* 2012 Mar;13(2):117-25.
16. Jang SW, **Baek JH**, Kim JK, Sung JY, Choi H, Lim HK, Park JW, Lee HY, Park S, Lee JH. How to manage the patients with unsatisfactory results after ethanol ablation for thyroid nodules: Role of radiofrequency ablation. *Eur J Radiol.* 2012 May;81(5):905-10.
17. Huh JY, **Baek JH**, Choi H, Kim JK, Lee JH. Efficacy of additional treatment

- session of radiofrequency ablation for symptomatic benign thyroid nodules--a prospective randomized study. *Radiology* 2012 Jun;263(3):909-16.
18. Kim YJ, **Baek JH**, Ha EJ, Lim HK, Lee JH, Sung JY, Kim JK, Kim TY, Kim WB, Shong YK. Cystic Versus Predominantly Cystic Thyroid Nodules: Efficacy of Ethanol Ablation and Analysis of Related Factors. *Eur Radiol* 2012 Jul;22(7):1573-8.
 19. Ha EJ, Lee JH, **Baek JH**. Diffuse microcalcifications only of the thyroid gland seen on ultrasound: Clinical implication and diagnostic approach. *Annals of Surg Oncol* 2012 (Letter to editor).
 20. Ha EJ, **Baek JH**, JH Lee, YJ Kim, JK Kim, TY Kim, WB Kim, YK Shong. Characteristic ultrasound feature of traumatic neuromas after neck dissection: direct continuity with the cervical plexus. *Thyroid* 2012 Aug;22(8):820-6.
 21. Kim JK, **Baek JH**, JH Lee, JL Kim, EJ Ha, TY Kim, WB Kim, YK Shong. Ultrasound elastography for thyroid nodules: a reliable study? *Ultrasound Med Biol* 2012 Sep;38(9):1508-13.
 22. Shin JH, **Baek JH**, EJ Ha, JH Lee. Radiofrequency ablation of thyroid nodules: basic principles and clinical application. *Int J Endocrinol*. 2012 2012:919650. doi: 10.1155/2012/919650. Epub 2012 Oct 22.
 23. Ha EJ, **Baek JH**, JH Lee, JY Sung, D Lee, JK Kim, YK Shong. Radiofrequency ablation of benign thyroid nodules does not affect thyroid function in patients with previous lobectomy. *Thyroid* 2013 Mar;23(3):289-93.
 24. Shin JE, **Baek JH**, JH Lee. Radiofrequency and ethanol ablation for the treatment of recurrent thyroid cancers: current status and challenges. *Curr Opin Oncol* 2013 Jan;25(1):14-9.
 25. Lim HK, JH Lee, EJ Ha, JY Sung, JK Kim, **Baek JH**. Radiofrequency ablation of benign nonfunctioning thyroid nodules: 4-year follow-up results in 111 patients. *Eur Radiol* 2013 Apr;23(4):1044-9.
 26. Sung JY, **Baek JH**, KS Kim, D Lee, EJ Ha, JH Lee. Symptomatic nonfunctioning parathyroid cysts: role of simple aspiration and ethanol ablation. *Eur J Radiol* 2013 Feb;82(2):316-20.
 27. Ha EJ, **Baek JH**, JH Lee, DE Song, JK Kim, YK Shong, SJ Hong. Sonographically Suspicious Thyroid Nodules with Initially Benign Cytologic

- Results: The Role of a Core Needle Biopsy. *Thyroid* 2013 Jun; 23(6):703-8.
28. Yeon JS, **Baek JH**, Lim HK, Ha EJ, Kim JK, Song DE, Kim TY, Lee JH. Thyroid Nodules with Initially Nondiagnostic Cytologic Results: The Role of Core Needle Biopsy. *Radiology* 2013 Jul;268(1):274-80.
 29. Sung JY, **Baek JH**, Kim KS, Lee D, Yoo H, Kim JK, Park SH. Single-Session Treatment of Benign Cystic Thyroid Nodules with Ethanol Versus Radiofrequency Ablation: A Prospective Randomized Study. *Radiology* 2013 Oct;269(1):293-300.
 30. Shin JH, **Baek JH**, Oh Y, Ha EJ, Lee JH. Combination Therapy of Temporary Tracheal Stenting and Radiofrequency Ablation for Multinodular Thyroid Goiter with Airway Compression. *Korean J Radiol* 2013 Sep;14(5):805-9.
 31. Yoon HM, **Baek JH**, Lee JH, Ha EJ, Kim JK, Yoon JH, Kim WB. Combination Therapy Consisting of Ethanol and Radiofrequency Ablation for Predominantly Cystic Thyroid Nodules. *AJNR Am J Neuroradiol* 2014 Mar;35(3):582-6.
 32. Choi WJ, **Baek JH**. Role of core needle biopsy for patients with indeterminate, fine-needle aspiration cytology. *Endocrine* 2014 Feb;45(1):1-2.
 33. Ha EJ, **Baek JH**. Response to the role of core-needle biopsy in thyroid nodules with initially nondiagnostic cytologic results. (Response to letter to editor) *Radiology* 2014 Feb;270(2):630.
 34. Choi YJ, **Baek JH**, Ha EJ, Lim HK, Lee JH, Kim JK, Song DE, Shong YK, Hong SJ. Differences in risk of malignancy and management recommendations in subcategories of thyroid nodules with atypia of undetermined significance or follicular lesion of undetermined significance: the role of ultrasound-guided core-needle biopsy. *Thyroid* 2014 Mar;24(3):494-501.
 35. Ha EJ, **Baek JH**, Lee JH, Kim JK, Lim HK, Song DE, Sung TY, Kim TY, Kim WB, Shong YK. Core Needle Biopsy Can Minimize the Non-diagnostic Results and the Need for Diagnostic Surgery in Patients with Calcified Thyroid Nodules. *Eur Radiol* 2014 June;24(6):1403-9.
 36. Ha EJ, **Baek JH**. Advances in nonsurgical treatment of benign thyroid nodules. *Future Oncol* 2014 Jun;10(8):1399-405.

37. Choi SH, **Baek JH**, Lee JH, Choi YJ, Hong MJ, Song DE, Kim JK, Yoon JH, Kim WB. Thyroid nodules with initially non-diagnostic, fine-needle aspiration results: comparison of core-needle biopsy and repeated fine-needle aspiration. *Eur Radiol* 2014 Nov;24(11):2819-26.
38. Lee HY, **Baek JH**, Yoo HK, Kim JK, Lim MK, Chu YC. Repeat Fine-needle aspiration biopsy within a short interval does not increase the atypical cytologic results for thyroid nodules with previously non-diagnostic results. *Acta Cytol* 2014;58(4):330-4.
39. Ha EJ, **Baek JH**, Lee JH. Thyroid Radiofrequency Ablation: An Experimental Study in an Ex-vivo Bovine Liver Model Using the Moving-shot Technique. *Korean J Radiol.* 2014 Nov-Dec;15(6):836-843.
40. Yoon RG, **Baek JH**, Lee JH, Choi YJ, Hong MJ, Song DE, Kim JK, Yoon JH, Kim WB. Diagnosis of Thyroid Follicular Neoplasm: Fine-needle Aspiration versus Core-needle Biopsy. *Thyroid* 2014 Nov;24(11):1612-1617.
41. Lim HK, **Baek JH**, Lee JH, Kim WB, Kim TY, Shong YK, Hong SJ. Efficacy and safety of radiofrequency ablation for treating locoregional recurrence of papillary thyroid cancer. *Eur Radiol* 2015 Jan;25(1):163-70.
42. Suh CH, **Baek JH**, Ha EJ, Choi YJ, Lee JH, Kim JK, Chung KW, Kim TY, Kim WB, Shong YK. Ethanol Ablation of Predominantly Cystic Thyroid Nodules: Evaluation of Recurrence Rate and Factors Related to Recurrence. *Clin Radiol* 2015 Jan;70(1):42-7.
43. Hong MJ, **Baek JH**, Choi YJ, Lee JH, Lim HK, Shong YK, Hong SJ. Radiofrequency Ablation is a Thyroid-Function-Preserving Treatment for Patients with Bilateral Benign Thyroid Nodules. *J Vas Interv Radiol* 2015 Jan;26(1):55-61.
44. Sung JY, **Baek JH**, Jung SL, Kim, JH, Kim KS, Lee D, Kim WB, Na DG. Radiofrequency Ablation for Autonomously Functioning Thyroid Nodules: A Multicenter Study. *Thyroid* 2015 Jan;25(1):112-7.
45. Ha EJ, **Baek JH**, Kim KW, Pyo JH, Lee JH, Baek SH, Dosing H, Hegedus L. Comparative Efficacy of Radiofrequency and Laser Ablation for the Treatment of Benign Thyroid Nodules: Systematic Review Including Traditional Pooling

- and Bayesian Network Meta-analysis. *J Clin Endocrinol Metab* 2015 May;100(5):1903-11.
46. Choi YJ, **Baek JH**, Hong MJ, Lee JH. Inter-observer variation in ultrasound measurement of the volume and diameter of thyroid nodules. *Korean J Radiol* 2015 May-Jun;16(3):560-565.
 47. Ha EJ, **Baek JH**, Lee JH, Lee HY, Song DE, Kim JH, Shon YK, Hong SJ. A focal marked hypoechogenicity within an isoechoic thyroid nodule: Is it a focal malignancy or not? *Acta Radiol* 2015 Jul;56(7):814-9.
 48. Ha EJ, **Baek JH**, Lee JH. Ultrasonography-based Thyroidal and Perithyroidal Anatomy and its Clinical Significance. *Korean J Radiol* 2015 Jul-Aug;16(4):749-766
 49. Che Y, Jin S, Sji C, Wang L, Zhang X, Li Y, **Baek JH**. Treatment of Benign Thyroid Nodules: Comparison of Surgery with Radiofrequency Ablation. *AJNR Am J Neuroradiol* 2015 Jul;36(7):1321-5.
 50. Deandrea M, Sung JY, Limone P, Mormmille A, Garino F, Ragazzoni F, Kim KS, Lee D, **Baek JH**. Efficacy and Safety of Radiofrequency Ablation Versus Observation for Nonfunctioning Benign Thyroid Nodules: A Randomized Controlled International Collaborative Trial. *Thyroid* 2015 Aug;25(8):890-6.
 51. Choi SH, **Baek JH**, Lee JH, Choi YJ, Song DE, Chung KW, Kim TY, Song YK. Evaluation of the Clinical Usefulness of BRAFV600E Mutation Analysis of Core-Needle Biopsy Specimens in Thyroid Nodules with Previous Atypia of Undetermined Significance or Follicular Lesions of Undetermined Significance Results. *Thyroid* 2015 Aug;25(8):897-903.
 52. Ha EJ, **Baek JH**, Na DG, Kim J, Min HS, Song DE, Lee KE, Shong YK. The Role of Core Needle Biopsy and Its Impact on Surgical Management in Patients with Medullary Thyroid Cancer: Clinical Experience at Three Medical Institutions. *AJNR Am J Neuroradiol* 2015 Aug;36(8):1512-7.
 53. Choi WJ, **Baek JH**, Ha EJ, Choi YJ, Hong MJ, Song DE, Sung JY, Yoo H, Jung SR, Lee HY, Lee JH. Hyalinizing Trabecular Tumor of the Thyroid Gland: Ultrasonography Features and the Role of Core-needle Biopsy. *Acta Radiol*. 2015 Sep;56(9):1113-8.

54. Shin JE, **Baek JH**, Choi YJ, Ha EJ, Lee JH. Ultrasound features of middle cervical sympathetic ganglion. *Clin J Pain*. 2015 Oct;31(10):909-13.
55. Choi WJ, **Baek JH**, Choi YJ, Lee JH, Ha EJ, Lee WC, Lim HK, Kim WB. Management of Cystic or Predominantly Cystic Thyroid Nodules: Role of Simple Aspiration of Internal Fluid. *Endocrine Research*. 2015 Nov;40(4):215-9.
56. Moon WJ, **Baek JH**, Choi JW, Ha EJ, Lim HK, Kim YJ, Song DE, Shong YK, Lee JH. The Value of Gross Visual Assessment of Specimen Adequacy for Liquid-Based Cytology during US-guided, Fine-needle Aspiration of Thyroid Nodules. *Endoc Pract*. 2015 Nov;21(11):1219-1226.
57. **Baek JH**, Ha EJ, Choi YJ, Sung JY, Kim JK, Shong YK. Radiofrequency versus Ethanol ablation for Treating Predominantly Cystic Thyroid Nodules: A Randomized Clinical Trial. *Korean J Radiol* 2015 Nov-Dec;16(6):1332-1340
58. Choi YJ, **Baek JH**, Baek SH, Shim WH, Lee KD, Lee HS, Shong YK, Ha EJ, Lee JH. Web-Based Malignancy Risk Estimation for Thyroid Nodules Using Ultrasonography Characteristics: Development and Validation of a Predictive Model. *Thyroid* 2015 Dec;25(12):1306-12.
59. Y Che, **Baek JH**. Risk of Malignancy in Symptomatic Nodular Goiter Treated with Radiofrequency Ablation (REPLY). *American Journal of Neuroradiology* 2016 Jan, 37(1):E9-E10
60. Jeong WK, **Baek JH**, Jung SE, Do KH, Yong HS, Kim M, Choi M, Lee M, Choi SJ, Jo AJ, Choi JA. Imaging Guidelines for Enhancing Justifications for Radiologic Studies. *J Korean Med Sci*. 2016 Feb;31 Suppl 1:S38-44.
61. Suh CH, **Baek JH**, Choi YJ, Lee JH. Efficacy and Safety of Radiofrequency and Ethanol Ablation for Treating Locally Recurrent Thyroid Cancer: A Systematic Review and Meta-Analysis. *Thyroid* 2016 Mar;26(3):420-8.
62. Suh CH, **Baek JH**, Lee JH, Choic YJ, Kim JK, Sung TY, Yoon JH, Shong YK. The role of core-needle biopsy as a first-line diagnostic tool for initially detected thyroid nodules. *Thyroid* 2016 Mar;26(3):395-403.

63. Ha EJ, **Baek JH**, Lee JH, Kim JK, Song DE, Kim WB, Hong SJ. Core Needle Biopsy Could Reduce a Diagnostic Surgery in Patients with Anaplastic Thyroid Cancer or Thyroid Lymphoma. *Eur Radiol.* 2016 Apr;26(4):1031-6.
64. Choi SH, **Baek JH**, Lee JH, Choi YJ, Ha EJ, Song DE, Kim JK, Chung KW, Kim TY, Kim WB, Song YK. Initial clinical experience with BRAFV600E mutation analysis of core-needle biopsy specimens from thyroid nodules. *Clin Endocrinol.* 2016 Apr;84(4):607-13.
65. Na DG, **Baek JH**, Sung JY, Kim JH, Kim JK, Choi YJ, Seo H. Thyroid Imaging Reporting and Data System Risk Stratification of Thyroid Nodules: Categorization Based on Solidity and Echogenicity. *Thyroid* 2016 Apr;26(4):562-72.
66. Choi SH, **Baek JH**, Ha EJ, Choi YJ, Sogn DE, Kim JK, Chung KW, Kim TY, Lee JH. Diagnosis of metastasis to the thyroid gland: comparison of core-needle biopsy and fine-needle aspiration. *Otolaryngol Head Neck Surg.* 2016 Apr;154(4):618-25.
67. Suh CH, **Baek JH**, Kim KW, Sung TY, Kim TY, Song DE, Choi YJ, Lee JH. The role of core-needle biopsy for thyroid nodules with initially non-diagnostic, fine-needle aspiration results: a systematic review and meta-analysis. *Endocr Pract.* 2016 Jun;22(6):679-88.
68. Hong MJ, **Baek JH**, Kim DY, Ha EJ, Choi WJ, Choi YJ, Lee JH. Spinal accessory nerve: Ultrasound findings and correlations with neck lymph node levels. *Ultraschall Med (ULTRASCHALL IN DER MEDIZIN, European Journal of Ultrasound)* 2016 Oct;37(5):487-491.
69. Lee HY, **Baek JH**, Ha EJ, Park JW, Lee JH, Song DE, Shong YK. Malignant-looking thyroid nodules with size reduction: core-needle biopsy results. *Ultrasonography.* 2016 Oct;35(4):327-34
70. Suh CH, **Baek JH**, Lee JH, Choi YJ, Kim KW, Lee J, Chung KW, Shong YK. The role of core-needle biopsy in the diagnosis of thyroid malignancy in 4,580 patients with 4,746 thyroid nodules: A systematic review and meta-analysis. *Endocrine* 2016 Nov;54(2):315-328.
71. Suh CH, **Baek JH**, Choi YJ, Lee JH. Performance of CT in the preoperative diagnosis of cervical lymph node metastasis in patients with papillary thyroid

- cancer: A systematic review and meta-analysis. *AJNR Am J Neuroradiol.* 2017 Jan;38(1):154-161.
72. Choi SJ, Jeong WK, Jo AJ, Choi JA, Kim MJ, Lee M, Jung SE, Do KH, Yong HS, Sheen SS, Choi M, **Baek JH**. Methodology for developing evidence-based clinical imaging guidelines: Joint recommendation by Korean Society of Radiology and National Evidence-Based Healthcare Collaborating Agency. *Korean J Radiol* 2017 Jan-Feb;18(1):208-216.
 73. Na DG, **Baek JH**, Jung SL, Kim J, Sung JY, Kim KS, Lee JH, Shin JH, Choi YJ, Ha EJ, Lim HK, Kim SJ, Hahn SY, Lee KH, Choi YJ, Youn I, Kim YJ, Ahn HS, Ryu JH, Baek SM, Sim JS, Jung CK, Lee JH; for the Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. Core Needle Biopsy of the Thyroid: 2016 Consensus Statement and Recommendations from Korean Society of Thyroid Radiology (KSThR). *Korean J Radiol* 2017 Jan-Feb;18(1):217-237.
 74. Choi YJ, **Baek JH**, Suh CH, Shim WH, Jeong B, Kim JK, Song DE, Kim TY, Chung KW, Lee JH. Core-needle biopsy versus repeat fine-needle aspiration for thyroid nodules initially read as atypia/follicular lesion of undetermined significance. *Head Neck.* 2017 Feb;39(2):361-369.
 75. Kim JH, **Baek JH**, Sung JY, Min HS, Kim KW, Hah JH, Park DJ, Kim KH, Cho BY, Na DG. Radiofrequency Ablation of Low-Risk Small Papillary Thyroid Carcinoma: Preliminary Results for Patients Ineligible for Surgery. *Int J Hyperthermia.* 2017 Feb 22;33(2):212-219.
 76. Ha EJ, **Baek JH**, Lee JH, Kim JK, Choi YJ, Sung TY, Kim TY. Complications Following US-guided Core-needle Biopsy for Thyroid Lesions: A Retrospective Study of 6,169 Consecutive Patients with 6,687 Thyroid Nodules. *Eur Radiol.* 2017 Mar;27(3):1186-1194.
 77. **Baek JH**, Na DG, Park HS. RE: Management of Low-Risk Papillary Thyroid Microcarcinoma. *Korean J Radiol.* 2017 Mar-Apr;18(2):408-409.
 78. Kim C, **Baek JH**, Ha EJ, Lee JH, Choi YJ, Song DE, Kim JK, Chung KW, Kim WB, Shong YK. Ultrasonography Features of Medullary Thyroid Cancer as Predictors of Its Biological Behavior. *Acta Radiol.* 2017 Apr;58(4):414-422.
 79. Choi YJ, **Baek JH**, Park HS, Shim WH, Kim TY, Lee JH. A computer-aided

- diagnosis system using artificial intelligence for the diagnosis and characterization of thyroid nodules on ultrasound: initial clinical assessment. *Thyroid* 2017 Apr;27(4):546-552
80. **Baek JH**. Current status of core needle biopsy of the thyroid. *Ultrasonography* 2017 Apr;36(2):83-85
81. Chung SR, **Baek JH**, Park HS, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Ultrasound-Pathology Discordant Nodules on Core-Needle Biopsy: Malignancy Risk and Management Strategy. *Thyroid* 2017 May;27(5):707-713
82. Park HS, **Baek JH**, Choi YJ, Lee JH. Innovative technique in image-guided ablation of benign thyroid nodules: Combined radiofrequency and ethanol ablation. *Korean J Radiol.* 2017 May-Jun;18(3):461-469.
83. Park HS, **Baek JH**, Park AW. Values and limitations of the comparing thyroid radiofrequency and microwave ablation using propensity score. *Endocrine (Letter)* 2017 Jun;56(3):681-682
84. Park HS, **Baek JH**, Choi YJ, Lee JH. Thyroid Radiofrequency Ablation: Innovative Updates on Devices and Techniques. *Korean J Radiol* 2017 Jul-Aug;18(4):615-623
85. Suh CH, **Baek JH**, Park C, Choi YJ, Lee JH. The role of core-needle biopsy for thyroid nodules with initially indeterminate results on previous FNA: a systematic review and meta-analysis. *AJNR Am J Neuroradiol* 2017 Jul;38(7):1421-1426.
86. Chung MS, **Baek JH**, Lee JH, Choi YJ, Yoon JH, Nam SY, Kim SC, Sung JY, Baek SM, Na DG. Treatment Effects and Safety of Ethanol Ablation for Thyroglossal Duct Cysts: A Comparison with Surgery: *Eur Radiol* 2017 Jul;27(7):2708-2716.
87. Kim C, Lee JH, Choi YJ, Kim WB, Sung TY, and **Baek JH**. Complications encountered in ultrasonography-guided radiofrequency ablation of benign thyroid nodules and recurrent thyroid cancers. *Eur Radiol* 2017. Aug;27(8):3128-3137.
88. Suh CH, **Baek JH**, Choi YJ, Kim TY, Sung TY, Song DE & Lee JH. Efficacy and safety of core-needle biopsy in initially detected thyroid nodules via propensity score analysis. *Sci Rep* 2017 Aug 15;7(1):8242.

89. Park HS, DG Na, **Baek JH**. Regarding “What Is the Ideal Core Number for Ultrasonography-Guided Thyroid Biopsy of Cytologically Inconclusive Nodules?” AJNR Am J Neuroradiol (Letter). 2017 Aug;38(8):E53-E54
90. Ha SM, Kim JK, **Baek JH**. Detection of Malignancy Among Suspicious Thyroid Nodules <1 cm on Ultrasound with Various Thyroid Image Reporting and Data Systems. Thyroid 2017 Oct;27(10):1307-1315.
91. **Baek JH**. Factors related to the efficacy of the radiofrequency ablation for benign thyroid nodules. Ultrasonography (Letter) 2017 Oct;36(4):385-386.
92. **Baek JH**, Na DG. RE: Thyroid core needle biopsy: the strengths of guidelines of the Korean Society of Thyroid Radiology. Korean J Radiol 2017 Sep-Oct;18(5):867-869. [Response letter]
93. **Baek JH**. Factors related to the recurrence of benign thyroid nodules after thermal ablation. Int J Hyperthermia. (Letter) 2017 Dec;33(8):957-958.
94. Jeong SY, **Baek JH**, Choi YJ, Lee JH. Ethanol and thermal ablation for malignant thyroid tumours. Int J Hyperthermia. 2017 Dec;33(8):938-945.
95. Sim JS, **Baek JH**, Lee J, Cho W, Jung SI. Radiofrequency ablation of benign thyroid nodules: depicting early sign of regrowth by calculating vital volume. International Journal of Hyperthermia. 2017 Dec;33(8):905-910.
96. Chung SR, Suh CH, **Baek JH**, Park HS, Choi YJ, Lee JH. Safety of Radiofrequency Ablation of Benign Thyroid Nodules and Recurrent Thyroid Cancers: A Systematic Review and Meta-analysis. Int J Hyperthermia. 2017 Dec;33(8):920-930.
97. Jung CK, **Baek JH**. Current Advances in Core Needle Biopsy for Thyroid Nodules. Endocrinol Metab (Seoul). 2017 Dec;32(4):407-412.
98. Ha EJ, **Baek JH**, Lee JH. Diffuse microcalcifications of Only the Thyroid Gland seen on Ultrasound: Clinical implication and Diagnostic approach. Ann Surg Oncol. 2017 Dec;24(Suppl 3):641.
99. Park HS, **Baek JH**, Na DG. Benign thyroid nodules treatment using percutaneous laser ablation (PLA) and radiofrequency ablation (RFA). Int J Hyperthermia (Letter) 2017 Dec;33(8):953-954
100. Ha EJ, **Baek JH**, Na DG. Risk Stratification of Thyroid Nodules on Ultrasonography: Current Status and Perspectives. Thyroid. 2017

Dec;27(12):1463-1468

101. Jung CK, **Baek JH**. Recent Advances in Core Needle Biopsy for Thyroid Nodules. *Endocrinol Metab (Seoul)*. 2017 Dec;32(4):407-412.
102. Park C, Suh CH, Shin JE, **Baek JH**. Characteristics of the middle cervical sympathetic ganglion: a systematic review and meta-analysis. *Pain Physician* 2018 Jan;21(1):9-18.
103. Jung SL, **Baek JH**, Lee JH, Shong HK, Sung JY, Kim KS, Lee D, Kim J, Baek SM, Sim JS, Na DG. Efficacy and safety of radiofrequency ablation for benign thyroid nodules: A prospective multicenter study. *Korean J Radiol*. 2018 Jan-Feb;19(1):158-166.
104. Jeong EJ, Chung SR, **Baek JH**, Choi YJ, Kim JK, Lee JH. A Comparison of Ultrasound-Guided Fine Needle Aspiration versus Core Needle Biopsy for Thyroid Nodules: Pain, Tolerability, and Complications. *Endocrinol Metab (Seoul)*. 2018 Mar;33(1):114-120.
105. Jung SL, **Baek JH**. RE: Efficacy and Safety of Radiofrequency Ablation for Benign Thyroid Nodules: A Prospective Multicenter Study. *Korean J Radiol*. 2018 May-Jun;19(3):542-543. (Response to letter)
106. Kim JH, **Baek JH**, Lim HK, Ahn HS, Baek SM, Choi YJ, Choi YJ, Chung SR, Ha EJ, Hahn SY, Jung SL, Kim DS, Kim SJ, Kim YK, Lee CY, Lee JH, Lee KH, Lee YH, Park JS, Park HS, Shin JH, Suh CH, Sung JY, Sim JS, Youn I, Choi M, Na DG; for the Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. 2017 Thyroid Radiofrequency Ablation Guideline: Korean Society of Thyroid Radiology. *Korean J Radiol* 2018 Jul-Aug;19(4):632-655.
107. Choe J, **Baek JH**, Park HS, Choi YJ, Lee JH. Core needle biopsy of thyroid nodules: outcomes and safety from a large single-center single-operator study. *Acta Radiologica*. 2018 Aug;59(8):924-931
108. Yoon RG, **Baek JH**, Chung SR, Choi YJ, Lee JH. Ex vivo comparison between thyroid-dedicated bipolar and monopolar radiofrequency electrodes. *Int J Hyperthermia*. 2018 Aug;34(5):624-630.
109. Jeong SY, **Baek JH**, Choi YJ, Chung SR, Sung TY, Kim WG, Kim TY, Lee JH. Radiofrequency Ablation of Primary Thyroid Carcinoma: Efficacy According to

- the Types of Thyroid Carcinoma. *Int J Hyperthermia*. 2018 Aug;34(5):611-616.
110. Ha EJ, Suh CH, **Baek JH**. Complications following ultrasound-guided core needle biopsy of thyroid nodules: a systematic review and meta-analysis. *Eur Radiol*. 2018 Sep;28(9):3848-3860.
 111. Choi YJ, **Baek JH**, Shin JH, Shim WH, Kim SO, Lee WH, Song DE, Kim TY, Chung KW, Lee JH. Web-Based Thyroid Imaging Reporting and Data System: Malignancy Risk of Atypia of undetermined significance or Follicular lesion of undetermined significance Thyroid Nodules Calculated by a Combination of Ultrasonography Features and Biopsy Results. *Head Neck*. 2018 Sep;40(9):1917-1925.
 112. Park AW, **Baek JH**. Radiofrequency Ablation Therapy for Large Benign Thyroid Nodules. *Mayo Clin Proc*. 2018 Sep;93(9):1327-1328. (Letter to the Editor)
 113. Lee JH, **Baek JH**, Kim JH, Shim WH, Chung SR, Choi YJ, Lee JH. Deep learning-based computer-aided diagnosis system for localization and diagnosis of metastatic lymph nodes on ultrasound: A pilot study. *Thyroid*. 2018 Oct;28(10):1332-1338.
 114. Chung SR, Suh CH, **Baek JH**, Choi YJ, Lee JH. The role of core needle biopsy in the diagnosis of initially detected thyroid nodules: a systematic review and meta-analysis. *Eur Radiol*. 2018 Nov;28(11):4909-4918.
 115. Sim JS, **Baek JH**, Cho W. Initial Ablation Ratio: Quantitative Value Predicting the Therapeutic Success of Thyroid Radiofrequency Ablation. *Thyroid*. 2018 Nov;28(11):1443-1449
 116. Oh HS, Ha J, Kim HI, Kim TH, Kim WG, Lim DJ, Kim TY, Kim SW, Kim WB, Shong Y, Chung JH, **Baek JH**. Active Surveillance of Low-Risk Papillary Thyroid Microcarcinoma: A Multi-Center Cohort Study in Korea. *Thyroid*. 2018 Dec;28(12):1587-1594
 117. Kim JH, **Baek JH**. 2017 Thyroid Radiofrequency Ablation Guideline: Korean Society of Thyroid Radiology. *Korean J Radiol*;19(6):1196-1197. (Letter to the Editor)
 118. Na DG, **Baek JH**. Nonclassifiable Nodules in the Korean Society of Thyroid Radiology TIRADS and Size Threshold for Fine-Needle Aspiration. *AJR Am J*

Roentgenol. 2018 Dec;211(6): W303. (Letter)

119. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. The role of core needle biopsy for the evaluation of thyroid nodules with suspicious ultrasound features. [Korean J Radiol 2019 Jan;20\(1\):158-165.](#)
120. Ha SM, **Baek JH**, Choi YJ, Chung SR, Sung TY, Kim TY, Lee JH. Malignancy risk of initially benign thyroid nodules: Validation with various Thyroid Imaging Reporting and Data System guidelines. *Eur Radiol* 2019 Jan;29(1):133-140.
121. Chung SR, **Baek JH**, Choi YJ, Lee JH. Management strategy for nerve damage during radiofrequency ablation of thyroid nodules. *Int J Hyperthermia.* 2019;36(1):204-210.
122. Kim JH, **Baek JH**, Lim HK, Na DG, Summary of the 2017 thyroid radiofrequency ablation guideline and its comparison with the 2012 guideline *Ultrasonography* 2019;38(2):125-134.
123. Ha SM, **Baek JH**, Na DG, Suh CH, Chung SR, Choi YJ, Lee JH. Diagnostic Performance of Practice Guidelines for Thyroid Nodules: Thyroid Nodule Size versus Biopsy Rates. *Radiology* 2019; Apr;291(1):92-99.
124. Oh HS, Kwon H, Song E, Jeon M, Kim TY, Lee JH, Kim WB, Shong Y, Chung KW, **Baek JH**, Kim WG. Tumor Volume Doubling Time in Active Surveillance of Papillary Thyroid Carcinoma. *Thyroid.* 2019 May;29(5):642-649.
125. Ren J, **Baek JH**, Chung SR, Choi YJ, Jung CK, Lee JH. Degenerating Thyroid Nodules: Ultrasound Diagnosis, Clinical Significance, and Management. *Korean J Radiol.* 2019 Jun;20(6):947-955.
126. Sim JS, **Baek JH**. Long-Term Outcomes Following Thermal Ablation of Benign Thyroid Nodules as an Alternative to Surgery: The Importance of Controlling Regrowth. *Endocrinol Metab (Seoul).* 2019 Jun;34(2):117-123. Review.
127. Yim Y, **Baek JH**. Core needle biopsy in the management of thyroid nodules with an indeterminate fine-needle aspiration report. *Gland Surg* 2019 Aug;8(Suppl 2):S77-S85. Review
128. Chung SR, **Baek JH**, Choi YJ, Lee JH. Longer-term outcomes of radiofrequency ablation for locally recurrent papillary thyroid cancer. *Eur Radiol.* 2019 Sep;29(9):4897-4903.

129. Cho SJ, Suh CH, **Baek JH**, Chung SR, Choi YJ, Lee JH. Diagnostic Performance of CT in Detection of Metastatic Cervical Lymph Nodes in Patients with Thyroid Cancer: A Systematic Review and Meta-Analysis. *Eur Radiol*. 2019 Sep;29(9):4635-4647.
130. Cho SJ, Suh CH, **Baek JH**, Chung SR, Choi YJ, Chung KW, Shong Y, Lee JH. Active Surveillance for Small Papillary Thyroid Cancer: A Systematic Review and Meta-Analysis. *Thyroid*. 2019 Oct;29(10):1399-1408.
131. Cho SJ, **Baek JH**, Chung SR, Choi YJ, Lee JH. Thermal ablation for Small Papillary Thyroid Cancer: A Systematic Review. *Thyroid*. 2019 Dec;29(12):1774-1783
132. Park HS, Yim Y, **Baek JH**, Choi YJ, Shong YK, Lee JH. Ethanol ablation as a treatment strategy for benign cystic thyroid nodules: a comparison of the ethanol retention and aspiration techniques. *Ultrasonography*. 2019;38(2):166-171.
133. Chung SR, **Baek JH**, Sung JY, Ryu JH, Jung RL. Revisiting Rupture of Benign Thyroid Nodules after Radiofrequency Ablation: Various Types and Imaging Features. *Endocrinol Metab* 2019;34:415-421
134. Ha EJ, **Baek JH**, Na DG. Deep convolutional neural network models for the diagnosis of thyroid cancer. *Lancet Oncol*. 2019 Mar;20(3):e130. doi: 10.1016/S1470-2045(19)30086-5.
135. Sim JS, **Baek JH**. Response: Long-Term Outcomes Following Thermal Ablation of Benign Thyroid Nodules as an Alternative to Surgery: The Importance of Controlling Regrowth. *Endocrinol Metab* 2019 Sep;34(3):325-326.
136. Jung CK, Baek JH, Na DG, Oh YL, Yi KH, Kang HC. 2019 Practice guidelines for thyroid core needle biopsy: a report of the Clinical Practice Guidelines Development Committee of the Korean Thyroid Association. *J Pathol Transl Med*. 2020 Jan;54(1):64-86.
137. Chung SR, **Baek JH**, Lee MK, Ahn Y, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Computer-aided diagnosis system for evaluation of thyroid nodules on ultrasonography: prospective non-inferiority study according to the experience level of radiologists. *Korean J Radiol*. 2020 Mar;21(3):369-376.

138. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. The relationship of thyroid nodule size on malignancy risk according to histological type of thyroid cancer. *Acta Radiol.* 2020 May;61(5):620-628.
139. Cho SJ, Baek JH, Chung SR, Choi YJ, Lee JH. Long-Term Results of Thermal Ablation of Benign Thyroid Nodules: A Systematic Review and Meta-Analysis. *Endocrinol Metab (Seoul).* 2020 Jun;35(2):339-350.
140. Lee MK, Baek JH, Chung SR, Choi YJ, Lee YM, Kim TY, Lee JH. Effectiveness of Injecting Cold 5% Dextrose into Patients with Nerve Damage Symptoms during Thyroid Radiofrequency Ablation. *Endocrinol Metab (Seoul).* 2020 Jun;35(2):407-415.
141. Cho SJ, Suh CH, **Baek JH**, Chung SR, Choi YJ, Lee JH. Diagnostic performance of MRI to detect metastatic cervical lymph nodes in patients with thyroid cancer: a systematic review and meta-analysis. *Clin Radiol.* 2020 Jul;75(7):562.e1-562.e10.
142. Kim PH, Suh CH, **Baek JH**, Chung SR, Choi YJ, Lee JH. Diagnostic Performance of Four Ultrasound Risk Stratification Systems: A Systematic Review and Meta-analysis. *Thyroid* 2020 Aug;30(8):1159-1168
143. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Sonographic Assessment of the Extent of Extrathyroidal Extension in Thyroid Cancer. *Korean J Radiol.* 2020 Oct;21(10):1187-1195
144. Ha EJ, **Baek JH**, Baek SM. Minimally Invasive Treatment for Benign Parathyroid Lesions: Treatment Efficacy and Safety Based on Nodule Characteristics. *Korean J Radiol.* 2020 Dec;21(12):1388-1397.
145. Chung SR, **Baek JH**, Suh CH, Choi YJ, Lee JH. Efficacy and safety of high-intensity focused ultrasound (HIFU) for treating benign thyroid nodules: a systematic review and meta-analysis. *Acta Radiol.* 2020 Dec;61(12):1636-1643.
146. Cho SJ, Baek JH. Letter to the editors: "Active surveillance of low-risk papillary thyroid cancer: A meta-analysis". *Surgery.* 2020 May;167(5):885-886.
147. Jeong SY, **Baek JH**. The 2019 Core-Needle Biopsy Practice Guidelines. *Ultrasonography.* 2020 Jul;39(3):311-312. (Letter)
148. Joo L, **Baek JH**. Clinical significance of isolated macrocalcifications detected by ultrasonography. *Ultrasonography.* 2020 Oct;39(4):407-408. (Letter)

149. Jeong SY, **Baek JH**. The 2019 core-needle biopsy practice guidelines. *Ultrasonography*. 2020 Jul;39(3):311-312. (Letter)
150. Sim JS, **Baek JH**. Letter to the editor regarding residual vital ratio: predicting regrowth after radiofrequency ablation for benign thyroid nodules. *Int J Hyperthermia*. 2020;37(1):1310-1311. (Letter)
151. Ha EJ, **Baek JH**, Che Y, Chou YH, Fukunari N, Kim JH, Lin WC, My LT, Na DG, Quek LHH, Wu MH, Yamakado K, Zhou J. Radiofrequency ablation of benign thyroid nodules: recommendations from the Asian Conference on Tumor Ablation Task Force. *Ultrasonography*. 2021 Jan;40(1):75-82.
152. Radiofrequency Ablation of Benign Thyroid Nodules: Recommendations from the Asian Conference on Tumor Ablation Task Force - **Secondary Publication**. Ha EJ, Baek JH, Che Y, Chou YH, Fukunari N, Kim JH, Lin WC, My LT, Na DG, Hwee Quek LH, Wu MH, Yamakado K, Zhou J. *J Med Ultrasound*. 2021 Jun 21;29(2):77-83
153. Ha EJ, **Baek JH**. Application of machine learning and deep learning to thyroid imaging: where do we stand? *Ultrasonography*. 2021 Jan;40(1):23-29.
154. Lee JY, Baek JH, Ha EJ, Sung JY, Shin JH, Kim JH, Lee MK, Jung SL, Lee YH, Ahn HS, Yoon JH, Choi YJ, Park JS, Lee YJ, Choi M, Na DG; Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. 2020 Imaging Guidelines for Thyroid Nodules and Differentiated Thyroid Cancer: Korean Society of Thyroid Radiology. *Korean J Radiol*. 2021 May;22(5):840-860.
155. Kim HJ, Cho SJ, **Baek JH**, Suh CH. Efficacy and safety of thermal ablation for autonomously functioning thyroid nodules: a systematic review and meta-analysis. *Eur Radiol*. 2021 Feb;31(2):605-615.
156. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Diagnostic Algorithm for Metastatic Lymph Nodes of Differentiated Thyroid Carcinoma. *Cancers (Basel)*. 2021 Mar 16;13(6):1338.
157. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Efficacy of radiofrequency ablation for recurrent thyroid cancer invading the airways. *Eur Radiol*. 2021 Apr;31(4):2153-2160.
158. Lee M, **Baek JH**, Suh CH, Chung SR, Choi YJ, Lee JH, Ha EJ, Na DG.

- Clinical practice guidelines for radiofrequency ablation of benign thyroid nodules: a systematic review. *Ultrasonography*. 2021 Apr;40(2):256-264.
159. Ha SM, **Baek JH**, Na DG, Jung CK, Suh CH, Shong YK, Sung TY, Song DE, Lee JH. Assessing the diagnostic performance of thyroid biopsy with recommendations for appropriate interpretation. *Ultrasonography*. 2021 Apr;40(2):228-236.
160. Kim PH, Suh CH, **Baek JH**, Chung SR, Choi YJ, Lee JH. Unnecessary thyroid nodule biopsy rates under four ultrasound risk stratification systems: a systematic review and meta-analysis. *Eur Radiol*. 2021 May;31(5):2877-2885.
161. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Treatment Efficacy of Radiofrequency Ablation for Recurrent Tumor at the Central Compartment After Hemithyroidectomy. *AJR Am J Roentgenol*. 2021 Jun;216(6):1574-1578.
162. Yim Y, **Baek JH**, Chung SR, Choi YJ, Lee JH. Recurrence and additional treatment of cystic thyroid nodules after ethanol ablation: validation of three proposed criteria. *Ultrasonography*. 2021 Jul;40(3):378-386.
163. Long-Term Outcomes of Thermal Ablation for Benign Thyroid Nodules: The Issue of Regrowth. Sim JS, **Baek JH**. *Int J Endocrinol*. 2021 Jul 21;2021:9922509. (Review)
164. Cho SJ, Baek SM, Na DG, Lee KD, Shong YK, **Baek JH**. Five-year follow-up results of thermal ablation for low-risk papillary thyroid microcarcinomas: systematic review and meta-analysis. *Eur Radiol*. 2021 Sep;31(9):6446-6456.
165. Kim HJ, Cho SJ, **Baek JH**. Comparison of Thermal Ablation and Surgery for Low-Risk Papillary Thyroid Microcarcinoma: A Systematic Review and Meta-Analysis. *Korean J Radiol*. 2021 Oct;22(10):1730-1741.
166. Continuous, Large-Volume Hydrodissection to Protect Delicate Structures around the Thyroid throughout the Radiofrequency Ablation Procedure. Ma Y, Wu T, Yao Z, Zheng B, Tan L, Tong G, Lian Y, **Baek JH**, Ren J. *Eur Thyroid J*. 2021 Nov;10(6):495-503.
167. Park SI, **Baek JH**, Suh CH, Chung SR, Choi YJ, Kim TY, Lee YM, Lee JH. Chemical ablation using ethanol or OK-432 for the treatment of thyroglossal duct cysts: a systematic review and meta-analysis. *Eur Radiol*. 2021

Dec;31(12):9048-9056.

168. Thermal Ablation for Small Papillary Thyroid Cancer: A Potential Game Changer. **Baek JH**, Cho SJ. Radiology. 2021 Jul;300(1):217-218. (Editorial)
169. Park SI, **Baek JH**. How to Monitor and Manage Nodule Regrowth after Thermal Ablation of Benign Thyroid Nodules. Korean J Radiol. 2021 Feb;22(2):293-295. (Letter)
170. Sim JS, **Baek JH**. Unresolved Clinical Issues in Thermal Ablation of Benign Thyroid Nodules: Regrowth at Long-Term Follow-Up. Korean J Radiol. 2021 Aug;22(8):1436-1440. (Letter)
171. Re: Additional treatment of recurrent or regrowing cystic thyroid nodules after ethanol ablation. Yim Y, Baek JH. Ultrasonography. 2021 Oct;40(4):619-620. (Letter)
172. Jeong SY, **Baek JH**. Technical issues in ultrasound-guided ethanol ablation for thyroid lesions. Ultrasonography. 2021 Oct;40(4):621-622. (Letter)
173. Assessment of thyroid-specific quality of life in patients with benign symptomatic thyroid nodules treated with radiofrequency or ethanol ablation: a prospective multicenter study. Jeong SY, Ha EJ, **Baek JH**, Kim TY, Lee YM, Lee JH, Lee J. Ultrasonography. 2022 Jan;41(1):204-211.
174. Thyroid-dedicated internally-cooled wet electrode for benign thyroid nodules: experimental and clinical study. Jeong SY, **Baek JH**, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. Int J Hyperthermia. 2022;39(1):573-578. doi: 10.1080/02656736.2022.2059579. (4월 7일)
175. Ethanol ablation for the treatment of thyroglossal duct cysts: follow-up results for longer than 2 years. Park SI, **Baek JH**, Chung SR, Choi YJ, Lee JH, Kim TY, Lee YM, Baek SM. Eur Radiol. 2022 May;32(5):3525-3531.
176. Efficacy and Safety of Ultrasound-Guided Radiofrequency Ablation for Primary Hyperparathyroidism: A Prospective Study. Chai HH, Zhao Y, Zeng Z, Ye RZ, Hu QH, He HF, **Baek JH**, Peng CZ. Korean J Radiol. 2022 May;23(5):555-565.
177. Risk factors for metastasis in indeterminate lymph nodes in preoperative patients with thyroid cancer. Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE,

- Kim TY, Lee JH. Eur Radiol. 2022 Jun;32(6):3863-3868.
178. Diagnostic Performance of Core Needle Biopsy for Characterizing Thyroidectomy Bed Lesions. Jeong SY, **Baek JH**, Chung SR, Choi YJ, Song DE, Chung KW, Kim WW, Lee JH. Korean J Radiol. 2022 Oct;23(10):1019-1027
179. Diagnostic Performance of Five Adult-based US Risk Stratification Systems in Pediatric Thyroid Nodules. Kim PH, Yoon HM, **Baek JH**, Chung SR, Choi YJ, Lee JH, Lee JS, Jung AY, Cho YA, Bak B, Na DG. Radiology. 2022 Oct;305(1):190-198.
180. Sonographic Diagnosis of Cervical Lymph Node Metastasis in Patients with Thyroid Cancer and Comparison of European and Korean Guidelines for Stratifying the Risk of Malignant Lymph Node. Chung SR, **Baek JH**, Rho YH, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Korean J Radiol. 2022 Nov;23(11):1102-1111.
181. Radiofrequency ablation of recurrent thyroid cancers: anatomy-based management. Lee MK, **Baek JH**, Chung SR, Choi YJ, Lee JH, Jung SL. Ultrasonography. 2022 Jul;41(3):434-443.
182. Thermal Ablation for the Management of Papillary Thyroid Microcarcinoma in the Era of Active Surveillance and Hemithyroidectomy. Chung SR, **Baek JH**, Choi YJ, Lee JH. Curr Oncol Rep. 2022 Aug;24(8):1045-1052.
183. Diagnostic performance of the 2021 Korean thyroid imaging reporting and data system in pediatric thyroid nodules. Kim PH, Yoon HM, **Baek JH**, Chung SR, Choi YJ, Lee JH, Lee JS, Jung AY, Cho YA, Bak B, Na DG. Eur Radiol. 2023 Jan;33(1):172-180.
184. Radiofrequency ablation of benign thyroid nodules: the value of anterolateral hydrodissection. Jeong SY, **Baek JH**, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. Ultrasonography. 2023 Jul;42(3):432-439.
185. Parenchymal microcalcifications in the thyroid gland: Clinical significance and management strategy. Yim Y, Park HS, **Baek JH**, Yoo H, Sung JY. Medicine (Baltimore). 2023 Aug 11;102(32):e34636.
186. Thyroid Cancer Screening: How to Maximize Its Benefits and Minimize Its Harms. **Baek JH** (Editorial). Endocrinol Metab (Seoul). 2023 Feb;38(1):75-77.

187. Thermal ablation of papillary thyroid microcarcinoma: what radiologists should know. Suh PS, **Baek JH**. Eur Radiol. 2023 May 16. doi: 10.1007/s00330-023-09716-8. Online ahead of print.
188. Inquiries Regarding "Delayed Cancer Diagnosis in Thyroid Nodules Initially Treated as Benign With Radiofrequency Ablation: Ultrasound Characteristics and Predictors for Cancer". Sim JS, Baek JH. Korean J Radiol. 2024 Jan;25(1):116-117.
189. Knot-and-ear sign: a pathognomonic ultrasonographic feature of suture granuloma after thyroid surgery. Suh PS, Jeong SY, Baek JH, Kim TY, Lee YM, Song DE, Park YS, Ahn JY, Chung SR, Choi YJ, Lee JH. Ultrasonography. 2024 Mar;43(2):141-150.
190. Radiofrequency Ablation for the Treatment of Benign Thyroid nodules: 10-Year Experience. Park SI, **Baek JH**, Lee DH, Chung SR, Song DE, Kim WG, Kim TY, Sung TY, Chung KW, Lee JH. Thyroid. 2024 Aug;34(8):990-998.
191. Ten-Year Outcomes of Radiofrequency Ablation for Locally Recurrent Papillary Thyroid Cancer. Chung SR, **Baek JH**, Choi YJ, Lee JH. Korean J Radiol. 2024 Sep;25(9):851-858.
192. Radiofrequency Ablation of T1N0M0 Papillary Thyroid Cancer: First Experience in the United States. Jeong SY, **Baek JH**. Mayo Clin Proc. 2024 Nov;99(11):1682-1683.
193. Radiofrequency Ablation for Recurrent Thyroid Cancers: 2025 Korean Society of Thyroid Radiology Guideline. Ha EJ, Lee MK, **Baek JH**, Lim HK, Ahn HS, Baek SM, Choi YJ, Chung SR, Kim JH, Shin JH, Lee JY, Hong MJ, Kim HJ, Joo L, Hahn SY, Jung SL, Lee CY, Lee JH, Lee YH, Park JS, Shin JH, Sung JY, Choi M, Na DG; Guideline Committee for the Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. Korean J Radiol. 2025 Jan;26(1):10-28.
194. Long-term clinical outcomes of thermal ablation for benign thyroid nodules and unresolved issues: a comprehensive systematic review. Jeong SY, **Baek JH**. La radiologia medica 2025 Jan;130(1):111-120.
195. Radiofrequency Ablation of Low-Risk Papillary Thyroid Microcarcinoma: A Retrospective Cohort Study Including Patients with More than 10 Years of

- Follow-up. Jeong SY, Baek SM, Shin S, Son JM, Kim H, **Baek JH**. *Thyroid*. **2025 Feb;35(2):143-152.**
196. Effectiveness of microvascular flow imaging for radiofrequency ablation in recurrent thyroid cancer: comparison with power Doppler imaging. Suh PS, **Baek JH**, Lee JH, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. *Eur Radiol*. **2025 Feb;35(2):597-607.**
197. Comparative efficacy and safety of radiofrequency ablation and microwave ablation in benign thyroid nodule treatment: a systematic review and meta-analysis. Lim H, Cho SJ, **Baek JH**. *Eur Radiol*. **2025 Feb;35(2):612-623.**
198. Preliminary Report Examining Efficacy and Safety of Radiofrequency Ablation for the Treatment of Skin-Involving Recurrent Thyroid Cancer. Moon HH, **Baek JH**, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. *Thyroid*. **2025 Mar;35(3):274-282.**
199. Superior Diagnostic Yield of Core Needle Biopsy Over Fine Needle Aspiration in Diagnosing Follicular-Patterned Neoplasms: A Multicenter Study Focusing on Bethesda IV Results. Joo L, **Baek JH**, Lee J, Song DE, Chung SR, Choi YJ, Lee JH. *Korean J Radiol*. **2025 Jun;26(6):604-615.**
200. Asian consensus statement of experts on thermal ablation for secondary hyperparathyroidism in chronic kidney disease. Chai H, Yue W, Sun L, Zhang L, Kim JH, Lin WC, Yu J, Yu M, Wang N, Wang H, Wang S, Che Y, Lu Q, Ren J, Liu F, Liu Y, Xu E, Xu H, Xu M, Zhu J, Ruan L, Sun X, Sun D, Li X, Li C, Yang M, Wu S, Yu F, Yu S, Yu Y, Zhang Y, Ouyang C, Zhang B, Zhang X, Zhang L, Luo J, Ji Z, Zhou J, Zhou L, Zheng Y, Fang L, Zhao Q, Zhao B, Zhao X, Hu P, Rao S, Jiang H, He Q, Qian L, Xu D, Huang J, Cui H, Jiang T, Han H, Han Z, Cheng J, Fan Y, **Baek JH**, Liang P, Xu H, Peng C. *Int J Surg*. **2025 Jul 1;111(7):4187-4210.**
201. Role of radiofrequency ablation in the treatment of symptomatic distant metastasis of thyroid cancer. Lee JH, Chung SR, Baek JH, Song DE, Kim WG, Kim TY, Sung TY, Chung KW, Lee JH. *Skeletal Radiol*. **2025 Aug;54(8):1673-1680.**
202. **Efficacy and Safety of Thermal Ablation for Indeterminate Thyroid Nodules: A Systematic Review of the Literature and Meta-Analysis.** Lim H, Cho SJ, Jeong

- Y, Jeong SY, **Baek JH**. Thyroid. 2025 Jul;35(7):748-762.
203. **Complications in chemical and thermal ablation of parathyroid lesions: a systematic review and meta-analysis.** Jeong SY, Cho SJ, **Baek JH**. Eur Radiol. 2025 Dec;35(12):7738-7751. doi: 10.1007/s00330-025-11739-2.
204. **Reply to Letter to the Editor: Enhancing methodological rigor in the evaluation of microvascular flow imaging for recurrent thyroid cancer.** Suh PS, **Baek JH**, Lee JH, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. Eur Radiol. 2025 Feb;35(2):610-611.
205. **Radiofrequency ablation for patients with primary hyperparathyroidism: a multicenter non-randomized open-label single-arm prospective clinical trial.** Ha EJ, Kim JH, Lee JY, Ham T, Lee JH, Chung SR, Park SS, Kim JH, **Baek JH**. Eur Radiol. **2026 Jan;36(1):396-405**. doi: 10.1007/s00330-025-11860-2.
206. **Active Surveillance for Locoregional Recurrent Differentiated Thyroid Cancer: A Systematic Review and Meta-Analysis.** Lim H, Cho SJ, Baek JH. Thyroid. 2026 Feb;36(2):121-132. doi: 10.1177/10507256251412323. Epub 2026 Jan 7.
- 207.

Scientific Paper Publication (Co-author): International

1. Moon WJ, Jung SL, Lee JH, Na DG, **Baek JH**, Lee Y, Kim J, Kim HS, Byun JS, Lee DH. Ultrasonographic Differentiation of Benign and Malignant Thyroid Nodules: A Multicenter Retrospective Study. Radiology. 2008 Jun;247:762-70.
2. Jeon SJ, Kim E, Park JS, Son KR, **Baek JH**, Kim YS, Park DJ, Cho BY, Na DG. Diagnostic Benefit of Thyroglobulin Measurement in Fine-needle Aspirates for Diagnosing Metastatic Cervical Lymph Nodes from Papillary Thyroid Cancer: Correlations with US Features. Korean J Radiol. 2009 Mar-Apr; 10(2):106-111.
3. Kim SY, Lee JH, Lee YJ, Choi BS, Choi JW, In HS, Kim SM, **Baek JH**. Diagnostic value of the anterior chamber depth of a globe on CT for detecting open-globe injury. Eur Radiol. 2010 May;20(5):1079-84.
4. Kim WG, Ryu JS, Lee JH, **Baek JH**, Yoon JH, Hong SJ, Kim ES, Kim TY, Kim WB, Song YK. Empiric High-Dose 131-Iodine Therapy Lacks Efficacy for Treated Papillary Thyroid Cancer Patients with Detectable Serum Thyroglobulin, but Negative Cervical Sonography and 18F-Fluorodeoxyglucose Positron Emission Tomography Scan. J Clin Endocrinol Metab. 2010 Mar;95(3):1169-73.

5. Kim EY, Kim WG, Kim WB, Kim TY, Ryu JS, Gong G, Yoon JH, Hong SJ, Lee JH, **Baek JH**, Shong YK. Clinical Outcomes of Persistent Radioiodine Uptake in the Neck Shown by Diagnostic Whole Body Scan in Patients with Differentiated Thyroid Carcinoma after Initial Surgery and Remnant Ablation. *Clin Endocrinol (Oxf)*. 2010 Aug;73(2):257-63.
6. Ko MS, Lee JH, Shong YK, Gong GY, **Baek JH**. Normal and abnormal sonographic findings at the thyroidectomy sites in postoperative patients with thyroid malignancy. *AJR Am J Roentgenol*. 2010;194(6):1596-609.
7. Choi JW, Lee JH, **Baek JH**, Choi BS, Jeong KS, Ryu JS, Kim TY, Kim WB, and Shong YS. Diagnostic accuracy of ultrasound and 18-F-FDG PET or PET/CT for patients with suspected recurrent papillary thyroid carcinoma. *Ultrasound Med Biol*. 2010 Oct;36(10):1608-15.
8. Moon WJ, **Baek JH**, Jung SL, Kim DW, Kim EK, Kim JY, Kwak JY, Lee JH, Lee JH, Lee YH, Na DG, Park JS, Park SW. Korean Society of Thyroid Radiology (KSThR), Korean Radiological Society. Ultrasonography and ultrasound-based management of thyroid nodules: Consensus Statement and Recommendations. *Korean J Radiol*. 2011 Jan;12(1):1-14.
9. Shin JH, Jung SL, **Baek JH**, Kim JH. Rupture of benign thyroid tumors after radiofrequency ablation. *AJNR Am J Neuroradiol*. 2011 Dec;32(11):2165-9.
10. Choi N, Moon WJ, Lee JH, **Baek JH**, Kim DW and Park S. Ultrasonographic findings of medullary thyroid cancer: differences according to tumor size and correlation with fine needle aspiration results. *Acta Radiologica* 2011;52:312-316.
11. Ha EJ, Lee JH, Lim HK, Kim WB, **Baek JH**. Identification of continuity of transected nerve on sonography after neck dissection: direct sign of traumatic neuroma. *Thyroid* 2011 Dec;21(12):1385-7.
12. Na DG, Kim J, Sung JY, **Baek JH**, Jung KC, Lee H, Yoo H. Core-Needle Biopsy is More Useful than Repeat Fine-Needle Aspiration in Thyroid Nodules Read as Nondiagnostic or Atypia of undetermined significance by the Bethesda System for Reporting Thyroid Cytopathology. *Thyroid* 2012 May;22(5):468-75.
13. Ko MS, Jeong KS, Shong YK, Gong GY, **Baek JH**, Lee JH. Collapsing benign cystic nodules of the thyroid gland: sonographic differentiation from papillary

- thyroid carcinoma. *AJNR Am J Neuroradiol*. 2012 Jan;33(1):124-7.
14. Sung JY, Na DG, Kim KS, Yoo H, Lee H, Kim J, **Baek JH**. Diagnostic accuracy of fine-needle aspiration versus core-needle biopsy for the diagnosis of thyroid malignancy in a clinical cohort. *Eur Radiol* 2012 Jul;22(7):1564-72.
 15. Chung WJ, Lee JH, Lim HK, Yoon TH, Cho KJ, **Baek JH**. Eosinophilic Otitis Media: CT and MR findings and literature review. *Korean J Radiol*. 2012 May-Jun;13(3):363-7.
 16. Lim HK, Lee JH, Hyun D, Park JW, Kim JL, Lee Hy, Park S, Ahn JH, **Baek JH**, Choi CG. MR diagnosis of facial neuritis: diagnostic performance of contrast-enhanced 3D-FLAIR technique compared with contrast-enhanced 3D-T1-fast-field echo with fat suppression. *AJNR Am J Neuroradiol*. 2012 Apr;33(4):779-83.
 17. Kim DW, SL Jung, **Baek JH**, J Kim, JH Ryu, DG Na, SW Park, JH Kim, JY Sung, Y Lee, MH Rho. The prevalence and features of thyroid pyramidal lobe, accessory thyroid, and ectopic thyroid as assessed by computed tomography: a multicenter study. *Thyroid* 2013 Jan;25(1):84-91.
 18. Jeon MJ, Park JW, Han JM, Yim JH, Song DE, Gong G, Kim TY, **Baek JH**, Lee JH, Shong YK, Kim WB. Serum Antithyroglobulin Antibodies Interfere with Thyroglobulin Detection in Fine-Needle Aspirates of Metastatic Neck Nodes in Papillary Thyroid Carcinoma. *J Clin Endocrinol Metab* 2013 Jan;98(1):153-60.
 19. Park K, Cho KJ, Lee M, Yoon DH, Kim J, Kim SY, Nam SY, Choi SH, Roh JL, Han MW, Lee SW, Song SY, **Baek JH**, Kim SB. p16 immunohistochemistry alone is a better prognosticator in tonsil cancer than human papillomavirus in situ hybridization with or without p16 immunohistochemistry. *Acta Otolaryngol* 2013 Mar;133(3):297-304.
 20. Kwak JY, I Jung, **Baek JH**, SM Baek, N Choi, YJ Choi, SL Jung, EK Kim, JA Kim, JH Kim, KS Kim, JH Lee, JH Lee, HJ Moon, WJ Moon, JS Park, JH Ryu, JH Shin, EJ Son, JY Sung, DG Na, Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. Thyroid imaging reporting and data system for ultrasound features of thyroid nodules: multicenter Korean retrospective study. *Korean J Radiol*. 2013 Jan;14(1):110-7.
 21. Choi YJ, Lee JH, Lim HK, Kim SY, Han MW, Cho KJ, **Baek JH**. Quantitative

share wave elastography in the evaluation of metastatic cervical lymph nodes.

Ultrasound Med Biol. 2013 Jun;39(6):935-40.

22. Ko HK, Kim AH, Kim HB, Suh DC, **Baek JH**, Lee JH, Kim PN. Experience at 1 year with the moving tip technique of radiofrequency ablation for the treatment of symptomatic venous malformations in the head and neck. *J Vasc Interv Radiol*. 2013 1(3):263-269.
23. Gharib H, Hegedus L, Pacella CM, **Baek JH**, Papini E. Nonsurgical, Image-Guided, Minimally Invasive Therapy for Thyroid Nodules. *J Clin Endocrinol Metab*. 2013 Oct;98(10):3949-3957.
24. Choi YM, Kim WG, Kim TY, Bae SJ, Kim HK, Jang EK, Jeon M, Han JM, Lee SH, **Baek JH**, Shong Y, Kim WB. Low Levels of Serum Vitamin D3 are Associated with Autoimmune Thyroid Disease in Pre-Menopausal Women. *Thyroid*. 2014 Apr;24(4):655-61.
25. Turtulici G, Orlandi D, Corazza A, Sartoris R, Derchi LE, Silvestri E, **Baek JH**. Percutaneous radiofrequency ablation of benign thyroid nodules assisted by a virtual needle tracking system. *Ultrasound Med Biol*. 2014 Jul;40(7):1447-52.
26. Seo JY, Kim EK, **Baek JH**, Shin JH, Han KH, Kwak JY. Can Ultrasound Be as a Surrogate Marker for Diagnosing a Papillary Thyroid Cancer? Comparison with BRAF Mutation Analysis. *Yonsei Med J*. 2014 Jul;55(4):871-8.
27. Park JP, Roh JL, Lee JH, **Baek JH**, Gong G, Cho KJ, Choi SH, Nam SY, Kim SY. Risk factors for central neck lymph node metastasis of clinically noninvasive, node-negative papillary thyroid microcarcinoma. *Am J Surg*. 2014 Sep;208(3):412-8.
28. Kim DY, Lee JH, Goh MJ, Sung YS, Choi YJ, Yoon RG, Cho SH, Ahn JH, Park HJ, **Baek JH**. Clinical significance of an increased cochlear 3D fluid-attenuated inversion recovery signal intensity on an MR imaging examination in patients with acoustic neuroma. *AJNR Am J Neuroradiol*. 2014 Sep;35(9):1825-9.
29. Lim HK, Lee JH, Baek HJ, Kim N, Park JW, Kim SY, Cho KJ, **Baek JH**. Is Diffusion-Weighted MRI Useful for Differentiation of Malignant from Benign, Small, Non-necrotic Cervical Lymph Nodes in the Head and Neck Cancer Patients? *Korean J Radiol*. 2014 Nov-Dec;15(6): 810-816.

30. Baek HJ, Lee JH, Lim HK, Lee HY, **Baek JH**. Diagnostic accuracy of the clinical and CT findings for differentiating Kikuchi's disease and tuberculous lymphadenitis presenting with cervical lymphadenopathy. *Jpn J Radiol*. 2014 Nov;32(11):637-43.
31. Lee CU, Kim SJ, Sung JY, Park SH, Chong S, **Baek JH**. Needle track tumor seeding after radiofrequency ablation of a thyroid tumor: A case report. *Jap J Radiol*. 2014 Nov;32(11):661-3.
32. Kim SJ, Chung HW, **Baek JH**, Lee JS, Lee SH, Lee MH, Shin MJ. Ultrasonography-guided radiofrequency ablation of malignant musculoskeletal soft-tissue tumors using the "moving-shot" technique at a single-institution experience. *Ultrasound Q*. 2014 Dec;30(4):295-300.
33. Lee JR, Kim JS, Roh JL, Lee JH, **Baek JH**, Cho JK, Choi SH, Nam SY, Kim SY. Detection of occult primary tumors in patients with cervical metastases of unknown primary tumors: comparison of (18)F FDG PET/CT with contrast-enhanced CT or CT/MR imaging-prospective study. *Radiology*. 2015 Mar;274(3):764-71.
34. Lee YH, **Baek JH**, Jung SR, Kwak JY, Kim JH, Shin JH; Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. Ultrasound-guided fine needle aspiration technique of thyroid nodules: Consensus Statement. *Korean J Radiol*. 2015 Mar-Apr;16(2):391-401
35. Song IH, Song JS, Sung CO, Roh JL, Choi SH, Nam SY, Kim SY, Lee JH, **Baek JH**, Cho KJ. Accuracy of Core Needle Biopsy Versus Fine Needle Aspiration Cytology for Diagnosing Salivary Gland Tumors. *J Pathol Transl Med*. 2015 Mar;49(2):136-43.
36. Jeon MJ, Kim WG, Jang EK, Choi YM, Lee Y, Sung TY, Yoon JH, Chung KW, Hong SJ, **Baek JH**, Lee JH, Kim TY, Shong YK, Kim WB. Thyroglobulin level in fine-needle aspirates for preoperative diagnosis of cervical lymph node metastasis in patients with papillary thyroid carcinoma: two different cutoff values according to serum thyroglobulin level. *Thyroid*. 2015 Apr;25(4):410-6.
37. Kwon H, Kim WG, Choi YM, Jang EK, Jeon MJ, Song DE, **Baek JH**, Ryu JS, Hong SJ, Kim TY, Kim WB, Shong YK. A cut-off Value of Basal Serum

- Calcitonin for Detecting Medullary Thyroid Carcinoma. *Clin Endocrinol (Oxf)*. 2015 Apr;82(4):598-603.
38. Chung MS, Lee JH, Kim DY, Lim YM, Ahn JH, Sung YS, Choi YJ, Yoon RG, **Baek JH**. The Clinical Significance of Findings Obtained on 3D-FLAIR MR Imaging in Patients with Ramsay-Hunt Syndrome. *Laryngoscope*. 2015 Apr;125(4):950-5.
39. Eom H-J, Lee JH, Ko M-S, Choi YJ, Yoon RG, Cho KJ, Nam SY, **Baek JH**. Comparison of Fine-Needle Aspiration and Core Needle Biopsy under Ultrasonographic Guidance for Detecting Malignancy and for the Tissue-Specific Diagnosis of Salivary Gland Tumors. *AJNR Am J Neuroradiol*. 2015 Jun;36(6):1188-93
40. Jung MJ, Kim SY, Nam SY, Roh JL, Choi SH, Lee JH, **Baek JH**, Cho KJ. Aspiration cytology of mammary analogue secretory carcinoma of the salivary gland. *Diagnostic Cytopathology*. 2015 Apr;43(4):287-93.
41. Choe J, Kim MY, **Baek JH**, Choi CM, Kim HJ. Ultrasonography-guided Core Biopsy of Supraclavicular Lymph Nodes for Diagnosis of Metastasis and Identification of Epidermal Growth Factor Receptor Mutation in Advanced Lung Cancer. *Medicine (Baltimore)*. 2015 Jul;94(29):e1209
42. Choi YJ, Lee JH, **Baek JH**. Ultrasound Elastography for cervical lymph nodes. *Ultrasonography* 2015 Jul;34(3):157-64
43. Jeon MJ, Kim WG, Jang EK, Choi YM, Lee Y, Sung TY, Yoon JH, Chung KW, Hong SJ, **Baek JH**, Lee JH, Shong YK, Kim WB. Recent changes in the clinical outcome of papillary thyroid carcinoma with cervical lymph node metastasis. *J Clin Endocrinol Metab* 2015 Sep;100(9):3470-7
44. Jang EK, Kim WG, Choi YM, Jeon MJ, Kwon H, **Baek JH**, Lee JH, Kim TY, Song DE, Kim WB. Association between neck ultrasonographic findings and clinico-pathological features in the follicular variant of papillary thyroid carcinoma. *Clin Endocrinol (Oxf)*. 2015 Dec;83(6):968-76.
45. Choi YJ, Lee JH, Kim HO, Kim DY, Yoon RG, Cho SH, Koh MJ, Kim N, Kim SY, **Baek JH**. Histogram analysis of apparent diffusion coefficient values for occult tonsil cancer in patients with cervical nodal metastasis from an unknown primary site at presentation. *Radiology* 2016 Jan;278(1):146-55

46. Choi YJ, Lee JH, Cho WY, **Baek JH**. Effect of an arm traction device on image quality and radiation exposure during neck computed tomography. *Eur J Radiol*. 2016 Jan;85(1):68-72
47. Chang Y, Paul AK, Kim N, **Baek JH**, Choi YJ, Ha HJ, Lee KD, Lee HS, Shin D, Kim D. Computer-aided diagnosis for classifying benign versus malignant thyroid nodules based on ultrasound images: A comparison with radiologist-based assessments. *Med Phys* 2016 Jan;43(1):554
48. Cheng KL, Choi YJ, Lee JH, **Baek JH**. Virtual touch tissue imaging quantification shear wave elastography: Prospective assessment of cervical lymph nodes. *Ultrasound Med Biol*. 2016 Feb;42(2):378-86
49. Kwon H, Kom WK, Sung TY, Jeon MJ, Song DE, Lee YM, Yoon JH, Chung KW, Hong SJ, **Baek JH**, Lee JH, Kim TY, Shong YK, Kim WB. Changing trends in the clinicopathological features and clinical outcomes of medullary thyroid carcinoma. *J Surg Oncol*. 2016 Feb;113(2):152-158.
50. Jang EK, Kim WG, Kim EY, Kwon H, Choi YM, Jeon MJ, **Baek JH**, Lee JH, Kim TY, Shong YK, Choi J, Song DE, Kim WB. Usefulness of NRAS codon 61 mutation analysis and core needle biopsy for the diagnosis of thyroid nodules previously diagnosed as atypia of undetermined significance. *Endocrine* 2016 May;52(2):305-12.
51. Shin JH, **Baek JH**, Chung J, Ha EJ, Kim JH, Lee YH, Lim HK, Moon WJ, Na DG, Park JS, Choi YJ, Hahn SY, Jeon SJ, Jung SL, Kim DW, Kim EK, Kwak JY, Lee CY, Lee HJ, Lee JH, Lee JH, Lee KH, Park SW, Sung JY, Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. Ultrasonography Diagnosis and Imaging-Based Management of Thyroid Nodules: Revised Consensus Statement and Recommendations of Korean Society of Thyroid Radiology. *Korean J Radiol* 2016;17(3):370-395.
52. Choi YJ, Lee JH, Sung YS, Yoon RG, Park JE, Nam SY, **Baek JH**. Value of Dynamic Contrast-Enhanced MRI to Detect Local Tumor Recurrence in Primary Head and Neck Cancer Patients. *Medicine (Baltimore)*. 2016 May;95(19):e3698.
53. Park JE, Choi YJ, Lee SS, Lee JH, **Baek JH**. Assessment of Measurement Repeatability and Reliability With Virtual Touch Tissue Quantification Imaging in Cervical Lymphadenopathy. *J Ultrasound Med*. 2016 May;35(5):927-32.

54. Kwon H, Kim WG, Jeon MJ, Song DE, Lee YM, Sung TY, Chung KW, Yoon JH, Hong SJ, **Baek JH**, Lee JH, Kim TY, Kim WB, Shong YK. Dynamic risk stratification for medullary thyroid cancer according to the response to initial therapy. *Endocrine*. 2016 Jul;53(1):174-81.
55. Lee JY, Lee JH, Song JS, Song MJ, Hwang SJ, Yoon RG, Jang SW, Park JE, Heo YJ, Choi YJ, **Baek JH**. Superior Cervical Sympathetic Ganglion: Normal Imaging Appearance on 3T-MRI. *Korean J Radiol*. 2016 Sep-Oct;17(5):657-63
56. Xu XQ, Choi YJ, Sung YS, Yoon RG, Jang SW, Park JE, Heo YJ, **Baek JH**, Lee JH. Intravoxel Incoherent Motion MR Imaging in the Head and Neck: Correlation with Dynamic Contrast-Enhanced MR Imaging and Diffusion-Weighted Imaging. *Korean J Radiol*. 2016 Sep-Oct;17(5):641-9.
57. Jun YK, Jung SL, Byun HK, **Baek JH**, Sung JY, Sim JS. Radiofrequency Ablation for Iatrogenic Thyroid Artery Pseudoaneurysm: Initial Experience. *J Vasc Interv Radiol*. 2016 Oct;27(10):1613-7.
58. Jeon MJ, Song DE, Jung CK, Kim WG, Kwon H, Lee YM, Sung TY, Yoon JH, Chung KW, Hong SJ, **Baek JH**, Lee JH, Kim TY, Shong YK, Kim WB. Impact of Reclassification on Thyroid Nodules with Architectural Atypia: From Non-Invasive Encapsulated Follicular Variant Papillary Thyroid Carcinomas to Non-Invasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features. *PLoS One*. 2016 Dec 9;11(12)
59. Lee HY, Lee JH, Shin JH, Kim SY, Shin HJ, Park JS, Choi YJ, **Baek JH**. Shear wave elastography using ultrasound: effects of anisotropy and stretch stress in a tissue phantom and in vivo reactive lymph nodes in the neck. *Ultrasonography* 2017 Jan;36(1):25-32.
60. Suh CH, Choi YJ, **Baek JH**, Lee JH. The diagnostic performance of shear wave elastography for malignant cervical lymph nodes: A systematic review and meta-analysis. *Eur Radiol*. 2017 Jan;27(1):222-230
61. Choi SH, Lee JH, Choi YJ, Park JE, Sung YS, Kim N, **Baek JH**. Detection of Local Tumor Recurrence After Definitive Treatment of Head and Neck Squamous Cell Carcinoma: Histogram Analysis of Dynamic Contrast-Enhanced T1-Weighted Perfusion MRI. *AJR Am J Roentgenol*. 2017 Jan;208(1):42-47

62. Lee JH, Cheng KJ, Choi YJ, **Baek JH**. High Resolution Imaging of Neural Anatomy and Pathology of the Neck. *Korean J Radiol*. 2017 Jan-Feb;18(1):180-193.
63. Kim SJ, Roh J, **Baek JH**, Hong SJ, Shong YK, Kim WB, Song DE. Risk of malignancy according to sub-classification of the atypia of undetermined significance or follicular lesion of undetermined significance (AUS/FLUS) category in the Bethesda system for reporting thyroid cytopathology. *Cytopathology*. 2017 Feb;28(1):65-73
64. Kim HC, Kim YJ, Han HY, Yi JM, **Baek JH**, Park SY, Seo JY, Kim KW. First-line Use of Core Needle Biopsy for High-Yield Preliminary Diagnosis of Thyroid Nodules. *AJNR Am J Neuroradiol*. 2017 Feb;38(2):357-363
65. Jeon MJ, Chung MS, Kwon H, Kim M, Park S, **Baek JH**, Song DE, Sung TY, Hong SJ, Kim TY, Kim WB, Shong YK, Lee JH, Kim WG. Features of papillary thyroid microcarcinoma associated with lateral cervical lymph node metastasis. *Clin Endocrinol (Oxf)* 2017 Jun;86(6):845-851.
66. Oh HS, Kim WG, Park S, Kim M, Kwon H, Jeon MJ, Lee JH, **Baek JH**, Song DE, Kim TY, Shong YK, Kim WB. Serial neck ultrasonographic evaluation of changes in papillary thyroid carcinoma during pregnancy. *Thyroid*. 2017 Jun;27(6):773-777
67. Kwon H, Oh HS, Kim M, Park S, Jeon MJ, Kim WG, Kim WB, Shong YK, Song DE, **Baek JH**, Chung KW, Kim TY. Active Surveillance for Patients with Papillary Thyroid Microcarcinoma: A Single Center's Experience in Korea. *J Clin Endocrinol Metab* 2017 Jun 1;102(6):1917-1925.
68. Lee YH, Lee YM, Sung TY, Yoon JH, Song DE, Kim TY, **Baek JH**, Ryu JS, Chung KW, Hong SJ. Is Male Gender a Prognostic Factor for Papillary Thyroid Microcarcinoma? *Ann Surg Oncol*. 2017 Jul;24(7):1958-1964.
69. Hong MJ, Na DG, **Baek JH**, Sung JY, Kim JH. Cytology-Ultrasonography Risk-Stratification Scoring System Based on Fine-Needle Aspiration Cytology and the Korean-Thyroid Imaging Reporting and Data System. *Thyroid* 2017 Jul;27(7):953-959.

70. Ryu KH, Lee JH, Lee JY, Chung SR, Chung MS, Kim HW, Choi YJ, **Baek JH**. Ethanol Ablation of Ranulas: Short-Term Follow-Up Results and Clinicoradiologic Factors for Successful Outcome. *AJNR Am J Neuroradiol*. 2017 Sep;38(9):1794-1798.
71. Suh CH, Choi YJ, Lee JJ, Shim WH, **Baek JH**, Chung HC, Shong Y, Song DE, Sung TY, Lee JH. Comparison of Core-Needle Biopsy and Fine-Needle Aspiration for Evaluating Thyroid Incidentalomas Detected by 18F-FDG PET/CT: A Propensity Score Analysis. *Thyroid*. 2017 Oct;27(10):1258-1266.
72. Ha SM, Sung JY, **Baek JH**, Na DG, Kim JH, Yoo H, Lee D, Choi DH. Radiofrequency Ablation of Small Follicular Neoplasms: Initial Clinical Outcomes. *Int J Hyperthermia* 2017 Dec;33(8):931-937.
73. Ryu KH, Lee JH, Jang SW, Kim HJ, Lee JY, Chung SR, Chung MS, Kim HW, Choi YJ, **Baek JH**. US-guided core-needle biopsy versus US-guided fine-needle aspiration of suspicious cervical lymph nodes for staging workup of non-head and neck malignancies: a propensity score matching study. *J Surg Oncol*. 2017 Dec;116(7):870-876
74. Ha EJ, Baek SM, **Baek JH**, Shin SY, Han M, Kim CH. Efficacy and Safety of Ethanol Ablation for Branchial Cleft Cysts. *AJNR Am J Neuroradiol*. 2017 Dec;38(12):2351-2356
75. Ha SM, Ahn HS, **Baek JH**, Ahn HY, Chung YJ, Cho BY, Park SB. Validation of Three Scoring Risk Stratification Models for Thyroid Nodules. *Thyroid*. 2017 Dec;27(12):1550-1557
76. Cho SJ, Lee JH, Park JE, Choi YJ, Kim JH, Kim HJ, **Baek JH**. Serial magnetic resonance imaging evaluations of irradiated superior cervical sympathetic ganglia: Not every retropharyngeal enlarging mass is a sign of malignancy. *Eur J Radiol*. 2018 Jan;98:126-129.
77. Oh HS, Kwon H, Song E, Jeon MJ, Song DE, Kim TY, Lee JH, Hong SJ, Kim WB, Shong YK, **Baek JH**, Kim WG. Preoperative Clinical and Sonographic Predictors for Lateral Cervical Lymph Node Metastases in Sporadic Medullary Thyroid Carcinoma. *Thyroid*. 2018 Mar;28(3):362-368.

78. Lim HK, Kim DW, **Baek JH**, Huh JY, Ryu JH, Sung JY, Park SH. Factors influencing the outcome from ultrasonography-guided fine-needle aspiration of benign thyroid cysts and partially cystic thyroid nodules: A multicenter study. *Endocr Res*. 2018 May;43(2):65-72.
79. Hong MJ, Na DG, **Baek JH**, Sung JY, Kim JH. Impact of Nodule Size on Malignancy Risk Differs according to the Ultrasonography Pattern of Thyroid Nodules. *Korean J Radiol*. 2018 May-Jun;19(3):534-541.
80. Kim M, Han M, Lee JH, Song DE, Kim K, **Baek JH**, Shong YK, Kim WG. Tumor growth rate of follicular thyroid carcinoma is not different from that of follicular adenoma. *Clin Endocrinol (Oxf)*. 2018 Jun;88(6):936-942.
81. Ha EJ, Na DG, **Baek JH**, Sung JY, Kim JH, Kang SY. US Fine-Needle Aspiration Biopsy for Thyroid Malignancy: Diagnostic Performance of Seven Society Guidelines Applied to 2000 Thyroid Nodules. *Radiology* 2018 Jun;287(3):893-900.
82. Chung SR, Choi YJ, Suh CH, Kim HJ, Lee JJ, Kim WG, Sung TY, Lee YM, Song DE, Lee JH, **Baek JH**. Thyroid Incidentalomas Detected on ¹⁸F-Fluorodeoxyglucose Positron Emission Tomography with Computed Tomography: Malignant Risk Stratification and Management Plan. *Thyroid*. 2018 Jun;28(6):762-768.
83. Ha EJ, Lim HK, Yoon JH, **Baek JH**, Do KH, Choi M, Choi JA, Lee M, Na DG; Korean Society of Thyroid Radiology (KSThR) and Korean Society of Radiology. Primary Imaging Test and Appropriate Biopsy Methods for Thyroid Nodules: Guidelines by Korean Society of Radiology and National Evidence-Based Healthcare Collaborating Agency. *Korean J Radiol* 2018 Jul-Aug;19(4):623-631.
84. Trimboli P, Bini F, Marinozzi F, **Baek JH**, Giovanella L. High-intensity focused ultrasound (HIFU) therapy for benign thyroid nodules without anesthesia or sedation. *Endocrine*. 2018 Aug;61(2):210-215.
85. Lee Y, Kim JH, **Baek JH**, Jung SL, Park SW, Kim J, Yun TJ, Ha EJ, Lee KE, Kwon SY, Yang KS, Na DG. Value of CT added to ultrasonography for the diagnosis of lymph node metastasis in patients with thyroid cancer. *Head Neck*. 2018 Oct;40(10):2137-2148.

86. Kang JH, Kim DH, Park SH, **Baek JH**. Age of Data in Contemporary Research Articles Published in Representative General Radiology Journals. *Korean J Radiol* 2018 Nov-Dec;19(6):1172-1178.
87. Kim JH, **Baek JH**, Sung JY, Na DG. Radiofrequency Ablation of Low-Risk Small Papillary Thyroid Carcinoma: Preliminary Results for Patients Ineligible for Surgery: Author Reply. *Int J Hyperthermia*. 2016 Nov;20(1):1-3
88. Lee JH, Ha EJ, **Baek JH**, Choi M, Jung SE, Yong HS. Implementation of Korean Clinical Imaging Guidelines: A Mobile App-Based Decision Support System. *Korean J Radiol*. 2019 Feb;20(2):182-189.
89. Kim M, Jeon M, Han M, Lee JH, Song DE, **Baek JH**, Kim TY, Kim WB, Shong Y, Kim WG. Tumor growth rate does not predict malignancy in surgically resected thyroid nodules classified as Bethesda category III with architectural atypia. *Thyroid*. 2019 Feb;29(2):216-221.
90. Song E, Oh HS, Jeon MJ, Chung KW, Hong SJ, Ryu JS, **Baek JH**, Lee JH, Kim WG, Kim WB, Shong YK, Kim TY. The value of preoperative antithyroidperoxidase antibody as a novel predictor of recurrence in papillary thyroid carcinoma. *Int J Cancer*. 2019 Mar 15;144(6):1414-1420.
91. Hahn SY, Shin JH, Na DG, Ha EJ, Ahn HS, Lim HK, Lee JH, Park JS, Kim JH, Sung JY, Lee JH, **Baek JH**, Yoon JH, Sim JS, Lee KH, Baek SM, Jung SL, Kim YK, Choi YJ; Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. Ethanol Ablation of the Thyroid Nodules: 2018 Consensus Statement by the Korean Society of Thyroid Radiology. *Korean J Radiol*. 2019 Apr;20(4):609-620.
92. Chung SR, Choi YJ, Suh CH, Lee JH, **Baek JH**. Diffusion-weighted Magnetic Resonance Imaging for Predicting Response to Chemoradiation Therapy for Head and Neck Squamous Cell Carcinoma: A Systematic Review. *Korean J Radiol*. 2019 Apr;20(4):649-661
93. Ahn HS, Na DG, **Baek JH**, Sung JY, Kim JH. False negative rate of fine-needle aspiration in thyroid nodules: impact of nodule size and ultrasound pattern. *Head Neck*. 2019 Apr;41(4):967-973
94. Song E, Ahn J, Oh HS, Jeon MJ, Kim WG, Kim WB, Shong YK, **Baek JH**, Lee JH, Ryu JS, Chung KW, Hong SJ, Kim TY. Time trends of thyroglobulin

- antibody in ablated papillary thyroid carcinoma patients: Can we predict the rate of negative conversion? *Oral Oncol.* 2019 Apr;91:29-34.
95. Ha SM, Chung YJ, Ahn HS, **Baek JH**, Park SB. Echogenic foci in thyroid nodules: diagnostic performance with combination of TIRADS and echogenic foci. *BMC Med Imaging.* 2019 Apr 4;19(1):28.
96. Lee GH, Hwang JY, Kim NR, Kang Y, Choi M, Kim J, Ha EJ, **Baek JH**. Primary Imaging Test for Suspected Traumatic Thoracolumbar Spine Injury: 2017 Guidelines by the Korean Society of Radiology and National Evidence-Based Healthcare Collaborating Agency. *Korean J Radiol.* 2019 Jun;20(6):909-915.
97. Hong MJ, Sung JY, **Baek JH**, Je MS, Choi DW, Yoo H, Yang SJ, Nam SY, Yoo EY. Safety and Efficacy of Radiofrequency Ablation for Nonfunctioning Benign Thyroid Nodules in Children and Adolescents in 14 Patients over a 10-Year Period. *J Vasc Interv Radiol.* 2019 Jun;30(6):900-906.
98. Ha SM, Shin JY, **Baek JH**, Song DE, Chung SR, Choi YJ, Lee JH. Does Radiofrequency Ablation Induce Neoplastic Changes in Benign Thyroid Nodules: A Preliminary Study. *Endocrinol Metab (Seoul).* 2019 Jun;34(2):169-178.
99. Chung SR, **Baek JH**, Lee JH, Lee YM, Sung TY, Chung KW, Hong SJ, Jeon MJ, Kim TY, Shong YK, Kim WB, Kim WG, Song DE. Risk of Malignancy According to the Sub-classification of Atypia of Undetermined Significance and Suspicious Follicular Neoplasm Categories in Thyroid Core Needle Biopsies. *Endocr Pathol.* 2019 Jun;30(2):146-154.
100. Cho SJ, Lee JH, Chung SR, Choi YJ, **Baek JH**. Radiofrequency Ablation of Facial Venolymphatic Malformations: Assessment of Efficacy and Safety and the Role of Injectable Electrodes. *J Vasc Interv Radiol.* 2019 Jun 21. pii: S1051-0443(19)30373-2.
101. Ha SM, Na DG, Kim J, Kim SC, **Baek JH**. Validation of web-based Thyroid Imaging Reporting and Data System in atypia or follicular lesion of undetermined significance thyroid nodules. *Head Neck* 2019 Jul;41(7):2215-2224.

102. Lee B, Choi YJ, Kim SO, Lee YS, Hong JY, **Baek JH**, Lee JH. Prognostic Value of Radiologic Extranodal Extension in Human Papillomavirus-Related Oropharyngeal Squamous Cell Carcinoma. *Korean J Radiol.* 2019 Aug;20(8):1266-1274.
103. Mauri G, Gennaro N, Lee MK, **Baek JH**. Laser and radiofrequency ablations for benign and malignant thyroid tumors. *Int J Hyperthermia.* 2019 Oct;36(2):13-20. doi: 10.1080/02656736.2019.1622795.
104. Kim M, Chung SR, Jeon M, Han M, Lee JH, Song DE, **Baek JH**, Kim TY, Kim WB, Shong Y, Kim WG. Determining whether tumor volume doubling time and growth rate can predict malignancy after delayed diagnostic surgery of follicular neoplasms. *Thyroid.* 2019 Oct;29(10):1418-1424.
105. Chung MS, Choi YJ, Hwang JY, Yoon DH, Seo KJ, Lee JH, **Baek JH**. Feasibility of reduced-dose CT of the head and neck with iterative reconstruction: a phantom and prospective clinical study. *Acta Radiol.* 2019 Nov;60(11):1457-1464.
106. Lim HK, Cho SJ, **Baek JH**, Lee KD, Son CW, Son JM, Baek SM. US-Guided Radiofrequency Ablation for Low-Risk Papillary Thyroid Microcarcinoma: Efficacy and Safety in a Large Population. *Korean J Radiol.* 2019 Dec;20(12):1653-1661.
107. Jeon MJ, Kim WG, Chung KW, **Baek JH**, Kim WB, Shong YK. Active Surveillance of Papillary Thyroid Microcarcinoma: Where Do We Stand? *Eur Thyroid J.* 2019 Dec;8(6):298-306. Review.
108. Yim Y, Na DG, Ha EJ, **Baek JH**, Sung JY, Kim JH, Moon WJ. Concordance of Three International Guidelines for Thyroid Nodules Classified by Ultrasonography and Diagnostic Performance of Biopsy Criteria. *Korean J Radiol.* 2020 Jan;21(1):108-116.
109. Park SY, Chung HW, **Baek JH**, Lee JH, Lee MH, Lee JW. Radiofrequency ablation using injectable cooled electrode: the effects of lidocaine injection in ex vivo study. *Acta Radiol.* 2020 Feb;61(2):219-226.
110. Hong D, Lee S, Kim T, **Baek JH**, Kim WW, Chung KW, Kim N, Sung TY. Usefulness of a 3D-Printed Thyroid Cancer Phantom for Clinician to Patient Communication. *World J Surg.* 2020 Mar;44(3):788-794

111. Nguyen VB, Nguyen VVH, Tran BT, Le CV, Dang CT, **Baek JH**. Undifferentiated pleomorphic sarcoma of the thyroid: A case report and literature review. *Clin Case Rep*. 2020 Feb 11;8(4):680-684. doi: 10.1002/ccr3.2710. eCollection 2020 Apr.
112. Lin WC, Kan NN, Chen HL, Luo SD, Tung YC, Chen WC, Chou CK, Chi SY, Chen MH, Su YY, Cheng KL, **Baek JH**. Efficacy and safety of single-session radiofrequency ablation for benign thyroid nodules of different sizes: a retrospective study. *Int J Hyperthermia*. 2020;37(1):1082-1089.
113. Chung J, Lee YJ, Choi YJ, Ha EJ, Suh CH, Choi M, **Baek JH**, Na DG; Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. Clinical applications of Doppler ultrasonography for thyroid disease: consensus statement by the Korean Society of Thyroid Radiology. *Ultrasonography*. 2020 Oct;39(4):315-330.
114. Cho SJ, Lee JH, Suh CH, Kim JY, Kim D, Lee JB, Lee MK, Chung SR, Choi YJ, **Baek JH**. Comparison of diagnostic performance between CT and MRI for detection of cartilage invasion for primary tumor staging in patients with laryngo-hypopharyngeal cancer: a systematic review and meta-analysis. *Eur Radiol*. 2020 Jul;30(7):3803-3812.
115. Suh CH, Lee KH, Choi YJ, Chung SR, **Baek JH**, Lee JH, Yun J, Ham S, Kim N. Oropharyngeal squamous cell carcinoma: radiomic machine-learning classifiers from multiparametric MR images for determination of HPV infection status. *Sci Rep*. 2020 Oct 16;10(1):17525.
116. Song E, Ahn J, Jeon M, Lee SM, Lee JH, Kim TY, **Baek JH**, Kim WB, Shong Y, Kim WG. Estimating the growth rate of lung metastases in differentiated thyroid carcinoma: Response Evaluation Criteria in Solid Tumors or doubling time? 2020 Jan 23. doi: 10.1089/thy.2019.0341. [Epub ahead of print]
117. Cho SJ, Baek SM, Lim HK, Lee KD, Son JM, **Baek JH**. Long-term Follow-up Results of Ultrasound-guided Radiofrequency Ablation for Low-risk Papillary Thyroid Microcarcinoma: More than 5 year follow-up for 84 tumors. *Thyroid*. 2020 Dec;30(12):1745-1751.

118. Cho SJ, Choi YJ, Cho KJ, Kim JH, Chung SR, Lee JH, **Baek JH**. Image findings in patients with chronic invasive fungal infection of paranasal sinuses. *J Neuroradiol*. 2021 Feb 25;S0150-9861(21)00046-8.
119. Chung SR, Choi YJ, Lee SS, Kim SO, Lee SA, Jeon MJ, Kim WG, Lee JH, **Baek JH**. Interobserver Reproducibility in Sonographic Measurement of Diameter and Volume of Papillary Thyroid Microcarinoma. *Thyroid*. 2021 Mar;31(3):452-458.
120. Lee B, Lee JH, Lim YM, Park JE, Yim Y, Kim JY, Choi YJ, **Baek JH**. High-resolution MR imaging of cranial neuropathy in patients with anti-GQ1b antibody syndrome. *J Neurol Sci*. 2021 Apr 15;423:117380.
121. Park SI, Guenette JP, Suh CH, Hanna GJ, Chung SR, **Baek JH**, Lee JH, Choi YJ. The diagnostic performance of CT and MRI for detecting extranodal extension in patients with head and neck squamous cell carcinoma: a systematic review and diagnostic meta-analysis. *Eur Radiol*. 2021 Apr;31(4):2048-2061.
122. Suh CH, Lee JH, Chung MS, Xu XQ, Sung YS, Chung SR, Choi YJ, **Baek JH**. MRI Predictors of Malignant Transformation in Patients with Inverted Papilloma: A Decision Tree Analysis Using Conventional Imaging Features and Histogram Analysis of Apparent Diffusion Coefficients. *Korean J Radiol*. 2021 May;22(5):751-758.
123. Radiofrequency ablation for treatment of thyroid follicular neoplasm with low SUV in PET/CT study. Lin WC, Tung YC, Chang YH, Luo SD, Chiang PL, Huang SC, Chen WC, Chou CK, Su YY, Chen WC, Chi SY, **Baek JH**. *Int J Hyperthermia*. 2021;38(1):963-969.
124. Efficacy and safety of single-session radiofrequency ablation for intrathoracic goiter: preliminary results and short-term evaluation. Chiang PL, Lin WC, Chen HL, Luo SD, Chen MH, Chen WC, Chang YH, Chou CK, Su YY, Tung YC, Chen WC, Chi SY, **Baek JH**. *Int J Hyperthermia*. 2021;38(1):976-984.
125. Ultrasound-Guided Moving Shot Radiofrequency Ablation of Benign Soft Tissue Neoplasm. Lin WC, Tai YF, Chen MH, Luo SD, Huang F, Chen WC, Chiang PL, Chen HL, Chen MH, **Baek JH**. *Medicina (Kaunas)*. 2021 Aug 17;57(8):830.

126. Histogram analysis of arterial spin labeling perfusion data to determine the human papillomavirus status of oropharyngeal squamous cell carcinomas. Ahn Y, Choi YJ, Sung YS, Pfeuffer J, Suh CH, Chung SR, **Baek JH**, Lee JH. *Neuroradiology*. 2021 Aug;63(8):1345-1352.
127. Korean Thyroid Imaging Reporting and Data System: Current Status, Challenges, and Future Perspectives. Ha EJ, Na DG, **Baek JH**. *Korean J Radiol*. 2021 Sep;22(9):1569-1578.
128. Diagnostic Performance of the Modified Korean Thyroid Imaging Reporting and Data System for Thyroid Malignancy: A Multicenter Validation Study. Chung SR, Ahn HS, Choi YJ, Lee JY, Yoo RE, Lee YJ, Kim JY, Sung JY, Kim JH, **Baek JH**. *Korean J Radiol*. 2021 Sep;22(9):1579-1586.
129. Image findings in patients with chronic invasive fungal infection of paranasal sinuses. Cho SJ, Choi YJ, Cho KJ, Kim JH, Chung SR, Lee JH, **Baek JH**. *J Neuroradiol*. 2021 Sep;48(5):325-330.
130. Diagnostic performance of adult-based ATA and ACR-TIRADS ultrasound risk stratification systems in pediatric thyroid nodules: a systematic review and meta-analysis. Kim PH, Yoon HM, Hwang J, Lee JS, Jung AY, Cho YA, **Baek JH**. *Eur Radiol*. 2021 Oct;31(10):7450-7463.
131. Prediction model for cervical lymph node metastasis in human papillomavirus-related oropharyngeal squamous cell carcinomas. Joo L, Bae YJ, Choi YJ, Lee YS, Chung SR, Suh CH, Kim SO, **Baek JH**, Lee JH. *Eur Radiol*. 2021 Oct;31(10):7429-7439.
132. Neuroimaging Findings in Patients with COVID-19: A Systematic Review and Meta-Analysis. Kim PH, Kim M, Suh CH, Chung SR, Park JE, Kim SC, Choi YJ, Lee JH, Kim HS, **Baek JH**, Choi CG, Kim SJ. *Korean J Radiol*. 2021 Nov;22(11):1875-1885.
133. 2021 Korean Thyroid Imaging Reporting and Data System and Imaging-Based Management of Thyroid Nodules: Korean Society of Thyroid Radiology Consensus Statement and Recommendations. Ha EJ, Chung SR, Na DG, Ahn HS, Chung J, Lee JY, Park JS, Yoo RE, **Baek JH**, Baek SM, Cho SW, Choi YJ, Hahn SY, Jung SL, Kim JH, Kim SK, Kim SJ, Lee CY, Lee HK, Lee JH, Lee

- YH, Lim HK, Shin JH, Sim JS, Sung JY, Yoon JH, Choi M. Korean J Radiol. 2021 Dec;22(12):2094-2123.
134. Multicenter Study of Benign Thyroid Nodules with Radiofrequency Ablation: Results of 762 Cases over 4 Years in Taiwan. Lin WC, Wang CK, Wang WH, Kuo CY, Chiang PL, Lin AN, **Baek JH**, Wu MH, Cheng KL. J Pers Med. 2022 Jan 6;12(1):63.
135. Orloff LA, Noel JE, Stack BC Jr, Russell MD, Angelos P, **Baek JH**, Brumund KT, Chiang FY, Cunnane MB, Davies L, Frasoldati A, Feng AY, Hegedüs L, Iwata AJ, Kandil E, Kuo J, Lombardi C, Lupo M, Maia AL, McIver B, Na DG, Novizio R, Papini E, Patel KN, Rangel L, Russell JO, Shin J, Shindo M, Shonka DC Jr, Karcioğlu AS, Sinclair C, Singer M, Spiezia S, Steck JH, Steward D, Tae K, Tolley N, Valcavi R, Tufano RP, Tuttle RM, Volpi E, Wu CW, Amed AH, Randolph GW. Radiofrequency Ablation and Related Ultrasound-Guided Ablation Technologies for Treatment of Benign and Malignant Thyroid Disease: An International Multidisciplinary Consensus Statement of the American Head and Neck Society Endocrine Surgery Section with the Asia Pacific Society of Thyroid Surgery, Associazione Medici Endocrinologi, British Association of Endocrine and Thyroid Surgeons, European Thyroid Association, Italian Society of Endocrine Surgery Units, Korean Society of Thyroid Radiology, Latin American Thyroid Society, and Thyroid Nodules Therapies Association Head and Neck 2022 Mar;44(3):633-660.
136. A comprehensive review of interventional ablation techniques for the management of thyroid nodules and metastatic lymph nodes. Kuo JH, Sinclair CF, Lang B, Spiezia S, Yu M, Ha EJ, Na DG, Offi C, Patel KN, **Baek JH**. Surgery. 2022 Apr;171(4):920-931.
137. Sonographic assessment of minor extrathyroidal extension of papillary thyroid microcarcinoma involving the posterior thyroid capsule. Jeong SY, Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Eur Radiol. 2022 Sep;32(9):6090-6096.
138. Long-term follow-up of the radiofrequency ablation of benign thyroid nodules: the value of additional treatment. Kim HJ, **Baek JH**, Cho W, Sim JS. Ultrasonography. 2022 Oct;41(4):661-669.

139. Clinical and Radiological Features of Diffuse Lacrimal Gland Enlargement: Comparisons among Various Etiologies in 91 Biopsy-Confirmed Patients. Chung SR, Kim GJ, Choi YJ, Cho KJ, Suh CH, Kim SC, **Baek JH**, Lee JH, Yang MK, Sa HS. *Korean J Radiol.* 2022 Oct;23(10):976-985.
140. Development and Validation of a Model Using Radiomics Features from an Apparent Diffusion Coefficient Map to Diagnose Local Tumor Recurrence in Patients Treated for Head and Neck Squamous Cell Carcinoma. Kim M, Lee JH, Joo L, Jeong B, Kim S, Ham S, Yun J, Kim N, Chung SR, Choi YJ, Baek JH, Lee JY, Kim JH. *Korean J Radiol.* 2022 Nov;23(11):1078-1088.
141. Limitations of Fine Needle Aspiration and Core Needle Biopsies in the Diagnosis of Tall Cell Variant of Papillary Thyroid Carcinoma. Ahn J, Jin M, Kim WG, Kim TY, Kim WB, Shong YK, **Baek JH**, Song DE, Jeon MJ. *Clin Endocrinol (Oxf).* 2023 Jan;98(1):110-116.
142. Residual, regrowth, and new growth of radiofrequency ablation for benign thyroid nodules of different volumes: two-year follow-up results. Chen MH, Lin WC, Luo SD, Chiang PL, Chen YS, Chen WC, Lin AN, Wang CK, **Baek JH**, Chen HL. *Int J Hyperthermia.* 2022;39(1):1172-1178.
143. Standardized Imaging and Reporting for Thyroid Ultrasound: Korean Society of Thyroid Radiology Consensus Statement and Recommendation. Lee MK, Na DG, Joo L, Lee JY, Ha EJ, Kim JH, Jung SL, **Baek JH**. *Korean J Radiol.* 2023 Jan;24(1):22-30.
144. Diagnosis of parathyroid incidentaloma detected on thyroid ultrasonography: the role of fine-needle aspiration cytology and washout parathyroid hormone measurements. Lee B, Chung SR, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH, **Baek JH**. *Ultrasonography.* 2023 Jan;42(1):129-135.
145. Contralateral Low-to-Intermediate Suspicion Nodule is Not a Contraindication for Lobectomy in Patients with Papillary Thyroid Carcinoma. Pak SJ, Kwon D, Kim BC, Cho JW, Kim WW, Lee YM, Sung TY, **Baek JH**, Kim WG, Kim WB, Chung KW. *Thyroid.* 2023 Aug 25. doi: 10.1089/thy.2023.0270. Online ahead of print.
146. General principles for the safe performance, training and adoption of ablation techniques for benign thyroid nodules: An American Thyroid Association

- Statement. Sinclair CF, **Baek JH**, Hands KE, Hodak SP, Huber TC, Hussain I, Lang BHH, Noel J, Papaleontiou M, Patel KN, Russ G, Russell J, Spiezia S, Kuo JH. *Thyroid*. 2023 Aug 29. doi: 10.1089/thy.2023.0281. Online ahead of print.
147. Validation of CT-Based Risk Stratification System for Lymph Node Metastasis in Patients With Thyroid Cancer. Roh YH, Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. *Korean J Radiol*. 2023 Oct;24(10):1028-1037.
148. International Expert Consensus on US Lexicon for Thyroid Nodules. Durante C, Hegedüs L, Na DG, Papini E, Sipos JA, **Baek JH**, Frasoldati A, Grani G, Grant E, Horvath E, Hoang JK, Mandel SJ, Middleton WD, Ngu R, Orloff LA, Shin JH, Trimboli P, Yoon JH, Tessler FN. *Radiology*. 2023 Oct;309(1):e231481.
149. Impact of Region-of-Interest Size on the Diagnostic Performance of Shear Wave Elastography in Differentiating Thyroid Nodules. Cheng KL, Lai PH, Su CL, **Baek JH**, Lee HL. *Cancers (Basel)*. 2023 Oct 30;15(21):5214
150. Impact of Additional Preoperative Computed Tomography Imaging on Staging, Surgery, and Postsurgical Survival in Patients With Papillary Thyroid Carcinoma. Jeong SY, Chung SR, **Baek JH**, Choi YJ, Kim S, Sung TY, Song DE, Kim TY, Lee JH. *Korean J Radiol*. 2023 Dec;24(12):1284-1292.
151. Undercover active surveillance of small highly suspicious thyroid nodules without fine needle aspiration. Kim CA, Yoo J, Oh HS, Jeon MJ, Chung SR, **Baek JH**, Kim WB, Shong YK, Kim WG. *Endocrine*. 2023 Nov 23. doi: 10.1007/s12020-023-03601-6. Online ahead of print.
152. The Diagnostic Role of Repeated Biopsy of Thyroid Nodules with Atypia of Undetermined Significance with Architectural Atypia on Core-Needle Biopsy. Moon HH, Chung SR, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH, **Baek JH**. *Endocrinol Metab (Seoul)*. 2024 Jan 3. doi: 10.3803/EnM.2023.1818. Online ahead of print.
153. Malignancy risk of indeterminate lymph node at the central compartment in patients with thyroid cancer and concomitant sonographic thyroiditis. Rhim JH, Lee JY, Park SW, Lee Y, Jung SL, Yun TJ, Ha EJ, **Baek JH**, Kim J, Na DG, Kim JH. *Head Neck*. 2024 Feb 2. doi: 10.1002/hed.27670. Online ahead of print.
154. CT Demonstration of Local Cytokine-Release Syndrome Involving the Head and Neck Following Chimeric Antigen Receptor T Cell Infusion Therapy. Ko JS,

- Lee JH, Yoon DH, Suh CH, Chung SR, Choi YJ, **Baek JH**. Korean J Radiol. 2024 Apr;25(4):399-402.
155. Ethanol Ablation of Ranulas and Risk Factor Analysis for Recurrence. Suh PS, Lee JH, Roh YH, Moon HH, Chung SR, Kwon MS, Choi YJ, Lee YS, **Baek JH**, Choi SH. JAMA Otolaryngol Head Neck Surg. 2024 Jun 1;150(6):502-508.
156. Tumor Growth Kinetics Based on Initial Tumor Volume Doubling Time in Active Surveillance of Low-Risk Papillary Thyroid Carcinoma. Kim CA, Baek S, Yoo J, Chung SR, **Baek JH**, Chung KW, Kim WB, Jeon MJ, Kim WG. Thyroid. Jul;34(7):846-855.
157. Standardized Ultrasound Evaluation for Active Surveillance of Low-Risk Thyroid Microcarcinoma in Adults: 2024 Korean Society of Thyroid Radiology Consensus Statement. Lee JY, Lee MK, Lim HK, Lee CY, Sung JY, Yoon JH, Han SY, Shin JH, Kim JH, Jung SL, Chung SR, **Baek JH**, Na DG; Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. Korean J Radiol. 2024 Nov;25(11):942-958.
158. Role of Locoregional Therapies in the Treatment of Thyroid Pathology: Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel. Lam AH, Holt E, Ridouani F, Tuttle RM, Tufano RP, Park AW, Mauri G, Kuo JH, **Baek JH**, Abi-Jaoudeh N, Camacho JC. J Vasc Interv Radiol. 2024 Dec;35(12):1752-1759.
159. Enhancement on CT for preoperative diagnosis of metastatic lymph nodes in thyroid cancer: a comparison across experience levels. Roh YH, Chung SR, Yang SJ, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. Eur Radiol. **2025** Jan;35(1):20-28.
160. Concurrent Association of Multifocality, Bilaterality, and Recurrence in Pediatric Papillary Thyroid Cancer Patients. Cho JW, Rah CS, Kim WW, Lee YM, Kim SC, **Baek JH**, Song DE, Kim WG, Chung KW, Hong SJ, Sung TY. Yonsei Med J. 2025 Jan;66(1):43-50.
161. 2024 International Expert Consensus on US-guided Thermal Ablation for T1N0M0 Papillary Thyroid Cancer. Zhao ZL, Wang SR, Kuo J, Çekiç B, Liang L, Ghazi HA, Xu SH, Amabile G, Wu SS, Yadav A, Dong G, Janssen I, Fan BQ, Fukunari N, He JF, Dung LT, Yu SY, Leong S, Yu JJ, Chou YH, De Cicco R,

- Che Y, Cheng KL, Kandil E, Lin WC, Xu D, Russell J, Lu M, Tufano R, Qian LX, Randolph GW, Zhou JQ, Mauri G, Su HH, Russell M, Ahmed A, Patel K, **Baek JH**, Kim JH, Wei Y, Yu MA. *Radiology*. 2025 Apr;315(1):e240347.
162. Clinically Significant Central Lymph Node Metastasis is Not Common in Patients with Clinically N0 Papillary Thyroid Carcinoma on Both Ultrasonography and CT. Kim BC, Pak SJ, Kwon D, Kim WW, Lee YM, Sung TY, Kim WG, Kim WB, **Baek JH**, Lee JH, Choi YJ, Song DE, Chung KW. *Thyroid*. 2025 Apr;35(4):415-423.
163. Diagnostic yield of thyroid CT in differentiated thyroid carcinoma according to treatment response. Roh YH, Chung SR, **Baek JH**, Choi YJ, Sung TY, Song DE, Kim TY, Lee JH. *Eur Radiol*. 2025 Oct;35(10):5935-5943.
164. Scholarly Dialogue on Risk to the Recurrent Laryngeal Nerve with Thermal Ablation Procedures: A Reflection on Empirical Practices. Russell M, Wu CW, Huang TY, Tuttle RM, Kopp PA, **Baek JH**, Orloff LA, Noel J, Scharpf J, Angelos P, Tae K, Park JS, Cottrill E, Banuchi V, Cunnane M, Deandrea M, Liddy W, Tolley N, Volpi EM, Urken ML, Koppersmith RB, Abdelhamid Ahmed AH, Randolph GW. *Thyroid*. 2025 Nov;35(11):1221-1229.
165. Reevaluation of malignancy risk in nondiagnostic thyroid nodules with long-term follow-up via surgical resection or core needle biopsy: A retrospective study. Jeong JS, Choi YJ, Lee JH, **Baek JH**, Lee YM, Sung TY, Song DE. *Cancer Cytopathol*. 2026 Jan;134(1):e70068. doi: 10.1002/cncy.70068.
166. Long-Term Outcomes of Radiofrequency Ablation for Benign Thyroid Nodules of Different Sizes: Implications of Regrowth and New Growth. Lu CY, Lin AN, Wang CK, Chiang PL, Chou CK, Luo SD, Chen YS, Lee CY, **Baek JH**, Chen HL, Lin WC. *Kaohsiung J Med Sci*. 2026 Jan;42(1):e70089. doi: 10.1002/kjm2.70089.

167.

Peer review English article (not SCI or SCIE)

1. **Baek JH**, Rhim H, Koh BH, Cho OK, Hahm CK, Rectal leiomyosarcoma: report of two cases. *J Korean Radiol Soc* 1994;31(3):511-514

2. Rhim H, **Baek JH**, Jeon EY, Koh BH, Cho OK, YH Kim. The Role of B/D ration and A/D ratio to differentiate malignancy from benignancy in distal extrahepatic bile duct obstruction. J Korean Soc Med Ultrasound 1994;13:103-107
3. **Baek JH**, Koh BH, Song SY, Kim YS, Rhim H, Cho OK, Kim WS, Jang SJ. CT Findings of Metastatic Ovarian Tumors: Histopathological Correlation of Low Density Areas. J Korean Radiol Soc 1996; 35 (3) : 397-403
4. **Baek JH**, Jeong HJ, Kim YS, Kwak MS, Rhim H, Chang SH. Percutaneous Radiofrequency Ablation for Benign Nodules of the Thyroid Gland. J Korean Radiol Soc 2005;52(6):379-384
5. Koo JH, Rhim H, Song SY, **Baek JH**, Kim YS, Koh BH, Cho OK, Park CK, Park MH. Hepatoid Adenocarcinoma of the Stomach: Radiologic Findings. J Korean Radiol Soc 1996;35 (1):75-79
6. Kim BS, Park CK, Kim KH, Bae JI, **Baek JH**, Park DW, Kim YS, Choi YW, Jeon SK, Hahm CK. Malignant Pulmonary Neoplasms Causing Airspace Consolidation: CT Findings. J Korean Radiol Soc 1999;41 (5):923-928
7. Jeong HJ, **Baek JH**, Kim ST, Kim YS, Jeong SO, Park HJ, Jo JM. MRI Findings of Traumatic Spinal Subdural Hematoma. J Korean Radiol Soc 2005;42 (4):591-596
8. Kwak MS, **Baek JH**, Kim YS, Jeong HJ. Patterns and Significance of Peripheral Calcifications of Thyroid Tumors seen on Ultrasound. J Korean Radiol Soc 2005;53 (6):401-405
9. Kim WB, Kim TY, Kwon HS, Moon WJ, Lee JB, Choi YS, Kim SK, Kim SW, Chung K, **Baek JH**, Kim BI, Park DJ, Na DG, Choe JH, Chung JH, Jung HS, Kim JH, Nam KH, Chang HS, Chung WY, Hong SW, Hong SJ, Lee JH, Yi KH, Jo YS, Kang HC, Shong M, Park JW, Yoon JH, Kang SJ, Lee KW. Management Guidelines for Patients with Thyroid Nodules and Thyroid Cancer. J Korean Endoc Soc 22:157-187, 2007
10. Jang EK, Song DE, Gong G, **Baek JH**, Choi YM, Jeon MJ, Han JM, Kim WG, Kim TY, Shong YK, Kim WB. Positive cytology findings and a negative histological diagnosis of papillary thyroid carcinoma in the thyroid: is it a false-positive cytology or a disappearing tumor? Eur Thyroid J. 2013 Sep;2(3):203-10.

11. Yoon SH, Lee KH, Goo JM, Kim SJ, Kim EK, **Baek JH**, Cho YK, Lee KS, Lim TH, Park SH. First step for clinical trial in the Korean Society of Radiology: A panel discussion. *J Kor Soc Radiol* 2013;68(2):157
12. Kwon H, Kim M, Choi YM, Jang EK, Jeon MJ, Kim WG, Kim TY, Shong YK, Song DE, **Baek JH**, Hong SJ, Kim WB. Lack of Associations between Body Mass Index and Clinical Outcomes in Patients with Papillary Thyroid Carcinoma. *Endocrinol Metab (Seoul)*. 2015 Sep;30(3):305-11
13. **Baek JH**. Thyroid nodules with nondiagnostic FNA results: Role of core needle biopsy. *Int J Thyroidol*. 2016 May;9(1):9-14
14. Preface for Special Issue on Specialized in Diagnosis and Non-Surgical Treatment of Thyroid and Neck Tumor. **Baek JH**. *J Korean Soc Radiol*. 2023 Sep;84(5):984.
15. Training of Radiofrequency Ablation for Thyroid Nodules in Korea: Current and Future Perspective. Ahn HS, Jung SL, **Baek JH**, Sung JY, Kim JH. *J Korean Soc Radiol*. 2023 Sep;84(5):1009-1016.
16. Standardized Ultrasound Evaluation for Active Surveillance of Low-Risk Thyroid Microcarcinoma in Adults: 2024 Korean Society of Thyroid Radiology Consensus Statement. Lee JY, Lee MK, Lim HK, Lee CY, Sung JY, Yoon JH, Hahn SY, Shin JH, Kim JH, Jung SL, Chung SR, **Baek JH**, Na DG; Korean Society of Thyroid Radiology (KSThR); Korean Society of Radiology. *J Korean Soc Radiol*. 2024 Nov;85(6):1060-1082.
17. Study on the Necessity and Methodology for Enhancing Outpatient and Clinical Education in the Department of Radiology. Cho SB, Seo J, Kim YH, Kim YM, Na DG, Roh J, Do KH, **Baek JH**, Ahn HS, Lee MW, Lee S, Jung SE, Jeong WK, Jeong HD, Cho BS, Jae HJ, Choi SH, Hur S, Hong SJ, Hwang SI, Kim JH. *J Korean Soc Radiol*. 2024 Nov;85(6):1044-1059.
- 18.

Scientific Presentation and Exhibits

1. Kim YS, **Baek JH**, Rhim H, Koh BH, Cho OK. Peritoneal lymphomatosis. Presented at the Korean Radiologic Society Meeting as a scientific exhibit, October 1993, Seoul, Korea

2. **Baek JH**, Choi YY, Kim YS, Rhim H, Koh BH, Cho OK, Hahm C. A study of the usefulness of maximal diameter of extrahepatic bile duct and serum bilirubin level in differential diagnosis of obstructive biliary disease. Presented at the Korean Radiologic Society Meeting as a scientific exhibit, October 1993, Seoul, Korea
3. **Baek JH**, Koo JH, Rhim H, Koh BH, Cho OK. Multilocular cystic nephroma. Presented at the Korean Soc Med Ultrasound Meeting as a scientific exhibit, May 1994, Seoul, Korea
4. Koo JH, **Baek JH**, Rhim H, Koh BH, Cho OK. A cholangiogram in a dead rabbit: bilo-venous reflux. Presented at the Korean Radiologic Society Meeting as a scientific exhibit, October 1994, Seoul, Korea
5. **Baek JH**, Rhim H, Koh BH, Cho OK, Seo HS. Collateral pathways in Budd-Chiari syndrome: CT and venography correlation. Presented at the Korean Radiologic Society Meeting as a scientific exhibit, October 1994, Seoul, Korea
6. Jeon EY, **Baek JH**, Cho OK, Rhim H, Koh BH. Biliary cystadenoma and adenocarcinoma: comparison with US and pathology. Presented at the Korean Soc Med Ultrasound Meeting as a scientific exhibit, November 1994, Seoul, Korea
7. Koo JH, Lee TH, **Baek JH**, Rhim H, Kim YS, Koh BH, Cho OK, Seo HS. Hepatoid adenocarcinoma of the stomach. Presented at the Korean Radiologic Society Meeting, September 1995, Seoul, Korea
8. **Baek JH**, Koh BH, Kim YS, Rhim H, Joo KB, Cho OK. Metastatic ovarian tumor: differentiation between signet ring cell type and non-signet ring cell type. Presented at the Korean Radiologic Society Meeting, September 1995, Seoul, Korea
9. Koo JH, Lee TH, **Baek JH**, Rhim H, Kim YS, Koh BH, Cho OK, Seo HS. Hepatoid adenocarcinoma of the stomach. Presented at the Korean Radiologic Society Meeting as a scientific exhibit, September 1995, Seoul, Korea
10. Sung JY, Rhim H, **Baek JH**, Kim Y, Koh BH, Cho OK, Seo HS. Reflux of contrast material into inferior vena cava on arterial phase of abdominal CT. Presented at the Korean Radiologic Society Meeting as a scientific exhibition, September 1996, Seoul, Korea

11. HT Song, Y Kim, JH Koo, SY Song, **Baek JH**. Variable findings of perforative appendicitis. Presented at the Korean Soc Med Ultrasound Meeting as a scientific exhibit, Nov 1999, Taejeon, Korea
12. Rhim H, **Baek JH**, Kim YS, Koh BH, Cho OK, Seo HS, Kim Y. Radiofrequency thermal ablation of benign cystic lesions: early clinical experience. Presented at the Annual meeting and postgraduate course of the CIRSE as a scientific poster, Sep 2003, Antalya-Belek, Turkey
13. Son EJ, **Baek JH**, Kim YS, Gwak MS. Kim JY. Sonographically Guided Radiofrequency (RF) Ablation of Thyroid Nodule: Focusing on Its Safety and Efficacy. Presented at the 90th RSNA Annual Meeting as an educational exhibit, Dec 2004, Chicago, IL, USA
14. **Baek JH**, Kim YS, Jeong SO, Park HJ. Percutaneous Radiofrequency Ablation of benign nodules in thyroid gland. Hyeon-Jo Jeong, M.D. Presented at the Korean Society Med Ultrasound Meeting as a scientific presentation, May 2005, Seoul, Korea
15. **Baek JH**. RF Ablation of benign thyroid nodules. Presented at the Radiology Grand Round Meeting in Seoul National University Hospital as a lecture, November 22 2005, Seoul, Korea
16. **Baek JH**. RF Ablation of benign thyroid nodules. Presented at the Korean Association of Endocrine Surgeons Meeting as a scientific presentation, September 30th 2006, Seoul, Korea
17. Moon WJ, Lee S, Jung D, Na DG, **Baek JH**, Lee YH, Kim JN, Kim H, Kim Y. Ultrasonographic findings of benign and malignant thyroid nodules: A multicenter retrospective study. Presented at the symposium of Ultrasound in Medicine & Biology, Seoul, Korea
18. **Baek JH**, Kim YS, Jeong HJ, Gwak MS. Percutaneous Radiofrequency Ablation of benign thyroid nodules. Presented at the 62nd Korean Radiologic Society Meeting, Oct 30th 2006, Seoul, Korea
19. **Baek JH**, Kim YS, Jeong HJ, Gwak MS. Echogenic thyroid nodules; pathologic correlation. Presented at the 62nd Korean Radiologic Society Meeting, Oct 30th 2006, Seoul, Korea

20. **Baek JH.** RF Ablation of benign thyroid nodules. Presented at the 1st Thyroid Symposium. Dec 10th 2006, Seoul, Korea
21. **Baek JH.** RFA Technique of the thyroid nodule and live demonstration of thyroid nodule treatment. Presented at the 1st Thyroid RFA workshop and Hands-on. Jan 27th 2007, Seoul, Korea
22. **Baek JH.** Non-surgical treatment of thyroid tumors; Why RFA with internally cooled electrode? Presented at the Interventional workshop 2007; Taewoong medical. Jun 30th 2007, Kimpo, Korea
23. **Baek JH.** Radiofrequency ablation of benign thyroid tumors. Presented at the Ablation Therapies in Korea 2007. Jun 23 2007, Seoul, Korea.
24. Lee JH, Na DG, **Baek JH**, Kim J, Moon W, Kim JY, Park SW, Shin JH, Lee YH. Diagnostic Accuracy of Ultrasonographic Criteria for Benign and Malignant Thyroid Nodules: A Preliminary Multicenter Prospective Study Present at the 63th Korean Radiologic Society Meeting, Oct. 21-24 2007, Seoul, Korea
25. **Baek JH.** Combined Therapy for a Predominantly Cystic Thyroid Nodule (PCTN): Ethanol Ablation (EA) Followed by Radiofrequency Ablation (RFA) Present at the 63th Korean Radiologic Society Meeting, Oct. 21-24 2007, Seoul, Korea
26. **Baek JH.** Radiofrequency Ablation Therapy (RFA) for Benign Thyroid Nodules: The Efficacy, Safety, and Factors Affecting the Results of Treatment. Presented at the 93rd RSNA Annual Meeting as a scientific presentation, Nov. 25-30 2007, Chicago, IL, USA
27. **Baek JH** Combined Therapy for a Predominantly Cystic Thyroid Nodule (PCTN): Ethanol Ablation (EA) Followed by Radiofrequency Ablation (RFA) Presented at the 93rd RSNA Annual Meeting as a scientific presentation, Nov. 25-30 2007, Chicago, IL, USA
28. **Baek JH.** RFA of benign thyroid nodules focusing on the complications and technical tips. Presented at the 2nd Thyroid Symposium and Hands-on workshop as an invited speaker. Dec. 9th 2007, Seoul, Korea
29. **Baek JH.** Radiofrequency ablation of thyroid tumors as an invited speaker. Presented at 2nd the RF Ablation Symposium. Apr.12th 2008, Busan, Korea.

30. **Baek JH.** Image-guided intervention for thyroid nodules. Present at the 39th Korean Soc Med Ultrasound Meeting as an invited speaker at categorical course. May 17th, 2008. Seoul, Korea.
31. **Baek JH,** Yoon Suk Kim, Min Sook Kwak, Jin Yong Sung. One-step Ethanol Ablation of Viscous Cystic Thyroid Nodules: Emphasis on Vigorous Aspiration of Cystic Content. Present at the 39th Korean Soc Med Ultrasound Meeting. May 17th, 2008. Seoul, Korea.
32. **Baek JH.** RFA of benign thyroid nodules. Present at the 5th thyroid workshop as an invited speaker. Jun 21th, 2008, Seoul, Korea.
33. **Baek JH.** Non-invasive therapy for thyroid nodules. Present at the 2nd symposium of Korean Thyroid Association as an invited speaker, Sep. 6-7th, 2008. Kwangju, Korea.
34. **Baek JH,** Kim YS, Moon W. RFA for the treatment of Autonomously Functioning Thyroid Nodules. Present at the 2nd symposium of Korean Thyroid Association, Sep. 6-7th, 2008. Kwangju, Korea.
35. DG Na, **Baek JH,** YS Kim. The added value of US-guided core needle biopsy over that of fine needle aspiration for the diagnosis of thyroid malignancy. Present at the 2nd symposium of Korean Thyroid Association as a scientific poster, Sep. 6-7th, 2008. Kwangju, Korea.
36. Kim YS, **Baek JH.** Combination therapy for predominantly cystic thyroid nodules (PCTNs): Ethanol ablation (EA) followed by Radiofrequency ablation (RFA), Present at the 33rd annual meeting of European Thyroid Association as a scientific exhibition, Sep. 19-24, 2008. Thessaloniki, Greece.
37. **Baek JH,** Kim YS. Radiofrequency ablation in the treatment of autonomously functioning thyroid nodules (AFTNs), Present at the 33rd annual meeting of European Thyroid Association as a scientific exhibition, Sep. 19-24, 2008. Thessaloniki, Greece.
38. **Baek JH,** Kim YS. Image-guided intervention for thyroid nodules. Present at the 12th Asian Oceania Congress of Radiology as an invited speaker, Oct. 24-28th, 2008. Seoul, Korea.
39. **Baek JH,** Kim YS. Combination therapy for predominantly cystic thyroid nodules (PCTNs): Ethanol ablation (EA) followed by Radiofrequency ablation

(RFA), Present at the 12th Asian Oceania Congress of Radiology as a scientific presentation, Oct. 24-28th, 2008. Seoul, Korea.

40. Na DG, **Baek JH**, Kim YS, Kim JH. The added value of US-guided core biopsy over that of fine needle aspiration for the diagnosis of thyroid malignancy Present at the 12th Asian Oceania Congress of Radiology as a scientific presentation, Oct. 24-28th, 2008. Seoul, Korea.
41. Lee YH, Na DG, **Baek JH**, Yoon Suk Kim. Sonographic recognition of comet-tail appearance of thyroid nodule: Can it be used as the distinctive criteria from the micro-calcification? Present at the 12th Asian Oceania Congress of Radiology as a scientific poster, Oct. 24-28th, 2008. Seoul, Korea.
42. **Baek JH**. Diagnosis of thyroid nodules and Thyroid RFA. Present at the Korean Society of Radiologic Symposium 2008 as an invited speaker. Nov. 30th 2008, Seoul, Korea
43. **Baek JH**. RFA of thyroid nodules. Presented at the 3rd Thyroid Symposium as an invited speaker. Feb. 8th 2009, Seoul, Korea
44. **Baek JH**, Kim YS, Moon W, Lee JH. Effect of ultrasonography (US)-guided radiofrequency ablation vs conservative treatment on benign nonfunctioning predominantly solid thyroid nodules: a prospective study as a presentation at the 3rd symposium of Korean Thyroid Association, Feb. 14th, 2009. Seoul, Korea.
45. **Baek JH**. RFA for Thyroid Nodules: Symposium and Hands-on Workshop as an invited speaker. May 10th, 2009, Seoul, Korea.
46. **Baek JH**. RFA of thyroid and neck tumors. Present at the 6th thyroid workshop as an invited speaker. Jun 20th, 2009, Seoul, Korea.
47. **Baek JH**, Yoon Yuk Kim, Ducky Lee, Sunmi Kim, Huyn kyung Im, Jeong Hyun Lee. Combination therapy for predominantly cystic thyroid nodules (PCTNs): Ethanol ablation (EA) followed by Radiofrequency ablation (RFA). Present at the World conference on interventional oncology 2009 as a poster session. Jun 25-28th, 2009, Beijing, China.
48. **Baek JH**, Kim YS, Sung JY, Lee JH, Lee D. Radiofrequency Ablation of Benign Non-functioning Thyroid Nodules: Long-term Follow-Up Results: Present at the 4th symposium of Korean Thyroid Association as a scientific paper, Jun 25-28th, 2009, Beijing, China.

49. **Baek JH**, Kim YS, Sung JY, Lee JH, Lee D. Radiofrequency Ablation of Benign Non-functioning Thyroid Nodules: Long-term Follow-Up Results: Present at the World conference on interventional oncology 2009 as a presentation. Sep. 26th, 2009. Daejeon, Korea.
50. RFA of thyroid and head & neck tumors. Present at the **Radiological Grand Round in Ajou University Hospital** as an invited speaker. Oct 30th, 2009, Suwon, Korea
51. RFA of thyroid and head & neck tumors. Present at the **Thyroid Meeting in Kyungpook National University Hospital** as an invited speaker. Dec 9th, 2009, Daegu, Korea.
52. Radiofrequency Ablation of Benign Non-functioning Thyroid Nodules: Long-term Follow-Up Results: Presented at the Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR) as an invited speaker. Jan. 17th 2010, Seoul, Korea
53. RFA for thyroid nodules. Presented at the SGR (Surgical Grand Round) of Seoul National University Hospital as an invited speaker. 20th Mar, 2010. Seoul, Korea
54. Post-op imaging of thyroid cancer. Present at the 2nd symposium of Korean Thyroid Association as an invited speaker. Aug. 20-21, 2010. Busan, Korea.
55. Complications encountered in the treatment of thyroid RFA. 14th ITC (International Thyroid Congress). 11-16th Sep, 2010, Paris, France.
56. RFA of thyroid tumors. Present at the **Radiological Grand Round in Sevrance University Hospital** as an invited speaker. Oct 4th, 2010, Seoul, Korea
57. 갑상선결절 경화요법과 고주파열치료 방법 및 효과. 이비인후과
개원의사회-대한두경부외과학회 워크샵 2011년 1월 16일, 서울
58. Ultrasound of thyroid cancer: Diagnosis and non-surgical treatment in **the 8th thyroid workshop** as an invited speaker. Jun 18, 2011, Seoul, Korea.
59. RFA for thyroid nodules. 이대여성암 심포지움 2011년 3월20일
이대목동병원 여성암센터

60. US findings of post-op thyroid cancer. Korean Thyroid Association
춘계연수강좌, 2011년 4월23일, 광주
61. RFA hands-on workshop in Symposium of Korean Society of Thyroid
Radiology, Apr 23 2011, Busan, Korea
62. **2011년 3월 20일** 초청강연, 이대목동병원 유방 갑상선센터
63. **2011년 4월 16일** 국내학회 초청강연, 대한갑상선학회 춘계연수강좌, 광주
64. **2011년 4월 23일** 국내학회 초청강연, 대한갑상선영상의학회
춘계학술대회, RFA hands-on Workshop, Busan, Korea
65. **2011년 5월 21일** 국내학회 좌장위촉, 대한초음파학회, Thyroid Categorical
Course, Seoul, Korea
66. **2011년 6월 9-12일** 국제학회 발표, WCIO (World Conference on
Interventional Oncology), New York, USA
67. **2011년 6월 18일** 초청강연, Hanyang-Korea University Joint Symposium,
Seoul, Korea
68. **2011년 8월 20일** 국내학회 초청강연, 대한갑상선학회 춘계연수강좌, 대구
69. 갑상선고주파 초청강연, Surgical Grand Round, **2011년 9월 21일** Asan
Medical Center, Seoul, Korea
70. **The Korean Society of Thyroid Radiology Core-needle Biopsy Seminar.**
Thyroid core-needle biopsy: Current evidences as an invited speaker and
instructor “Korean Society of Thyroid Radiology Task Force for thyroid CNB:
Overview”. November 21 2014, Asan Medical Center, Seoul, Korea
71. 젠자임 학술상 수상강연 대한갑상선학회 춘계학술대회 March 06. 2015
건국대학교 새천년관, 서울
72. Reviewer’s check points. 논문작성세미나 서울아산병원 영상의학연구소.
2015년 3월 14일. 서울아산병원 동관2층 회의실

73. 제 6차 대한갑상선영상의학회 창립 10주년 기념 학술대회 초청강의 “New guideline for nonsurgical treatment of thyroid” 2015년 4월 25일 연세대학교 강당
74. 대한외과 초음파학회 2015 춘계학술대회 “갑상선 세침검사 진료권고안 2015년 갑상선영상의학회 개정판” 신촌세브란스병원
에비슨의생명연구센터 유일한 홀. 2015년 5월 10일
75. Symposium on thyroid cancer as an invited speaker “New ATA guidelines & New KSThR guidelines: Thyroid USG & FNA”. June 24-25 서울프라자호텔, Seoul, Korea
76. 1st Intensive course 2015 of Korean Society of Thyroid Radiology as an invited speaker and director of Hands-on program for thyroid radiofrequency ablation and ethanol ablation. Aug 23, Seoul, Korea
77. The 72th Korean Congress of Radiology as an invited speaker for “Revised guideline of Korean Society of Thyroid Radiology: Non-surgical treatment of thyroid”. Sep 9-12, 2015, Seoul, Korea.
78. 대한외과초음파학회 추계학술대회. Current evidences of thyroid core needle biopsy as an invited speaker. November 15 2015. 세브란스병원, Seoul, Korea
79. 대한갑상선영상의학회 연수강좌. Management of indeterminate cytology. 2015.12.14 서울대학병원, 서울
80. 동아대학교 병원 영상학과 강의 as an invited speaker for “Revised guideline of Korean Society of Thyroid Radiology: Non-surgical treatment of thyroid”. Dec 25, Busan, Korea.
81. 대한갑상선학회 춘계학술대회 Radiofrequency ablation of benign thyroid nodule in Educational Session 2: Interventional management of Thyroid Nodule as an invited speaker. 11-12, March 2016, Seoul, Korea

82. KIMES Samsung 갑상선 세미나 “S-Detect를 이용한 갑상선의 진단 및 고주파치료” 와 Hands-on workshop. 2016년3월11일 코엑스
83. 대한갑상선영상의학회 3월월례집담회 “Artificial intelligence is coming: Web-based TIRADS and thyroid CAD system”. 2016년 3월 18일.
서울성모병원
84. The 7th Korean Society of Thyroid Radiology annual conference. Thyroid RFA as an Hands-on coordinator and Chairman. 2016년 4월 24일 Astar Hotel, Jeju, Korea.
85. 대한외과초음파학회 2016 춘계학술대회. 갑상선 결절에 대한 core needle biopsy의 실제 (비디오 강연). 2016년 5월 8일 신촌 연세의대
에비슨의생명연구센터 유일한홀
86. 갑상선연수회 13회. TIRADS and thyroid CAD system. 2016월 5월 17일
토요일. 한양대학교
87. 제4차 대한영상의학회 춘계종합심포지엄 KSSR 2016 (The 4th Korean Spring Symposium of Radiology). Evidence-based medicine. 근거기반
영상영상 가이드리안 좌장 및 강의 ‘Non-surgical ablation therapy’. 2016년
6월 25일 부산 한화 티볼리에
88. 2016 The Catholic University of Korea St. Vincent’s Hospital SPECT-CT Symposium “Quantitative imaging with SPECT-CT”. as an invited speaker for “Thyroid RFA, basic and advanced” 29 June 2016. St. Vincent’s Hospital, Suwon, Korea
89. 2nd Intensive course 2016 of Korean Society of Thyroid Radiology as an invited speaker and director of Hands-on program for thyroid and perithyroidal anatomy. Jul 17, Seoul St. Mary’s Hospital, Seoul, Korea.

90. The 73th Korean Congress of Radiology as an invited speaker for “Diagnostic intervention of cervical nodal pathologies” and “Lessons from Korean society of thyroid radiology”. Sep 21-24, 2016, Seoul, Korea.
91. 대한외과초음파학회 2016 추계학술대회. 초청강의 “인공지능 초음파를 활용한 갑상선결절의 진단”. 2016.10.23 신촌세브란스병원 에비슨 의생명연구센터 유일한홀
92. 제1회 대한하이푸연구회 심포지엄. 갑상선유방분야의 HIFU 치료. Invited as a moderator (US-guided HIFU treatment for benign thyroid nodules. Non-invasive treatment for thyroid nodules and breast fibroadenoma with ECHOTHERAPY). 서울성모병원
93. 대한갑상선내분비외과학회 2016 추계심포지엄. 초청강의 “Different perspectives for the management of the big benign-looking thyroid nodule: Perspectives from radiologist” as an invited speaker. 2016년 11월 20일 신촌 세브란스병원 에비슨의생명연구센터 유일한홀
94. 대한갑상선영상의학회 연수강좌. Ethanol ablation and RF ablation for beginners as an invited speaker. 2016년 12월 11일. 서울대학병원
95. 대한갑상선내분비학회 Winter school. Thyroid imaging “K-TIRADS in assessment of thyroid nodules” as an invited speaker. 2017년 2월12일. 고려대학교 유광사홀
96. STARmed lecture about thyroid RFA over the past 15 years. 2017년 2월15일, 경기도 일산
97. Annual Conference of Korean Society of Thyroid Radiology (KSThR) 2017, as an invited speaker for “current status and future perspective of TIRADS and CAD” and invited as a Chairperson for “What’s going on?” session. April 22,

2017, Seoul, Korea

98. 대한외과초음파학회 2017 춘계학술대회 초청강연. A focal marked hypoechogenicity within an isoechoic thyroid nodule: is it a focal malignancy or not?. 2017년 4월30일. 신촌 연세의대 에비슨의생명연구센터 유일한홀
99. 충북대학교병원 영상의학과 초청강연. 갑상선질환의 중재치료, 2017년 6월7일. 청주
100. KSSR 2017 (The 5th Korean Spring Symposium of Radiology). Evidence-Based Medicine Session as a Chairperson. 2017.6.24-25, 광주
101. 3rd Intensive course 2017 of Korean Society of Thyroid Radiology as an invited speaker and director of Hands-on program for thyroid radiofrequency ablation. 2017 Jul 16, Seoul St. Mary's Hospital, Seoul, Korea.
102. 통증치료연구회 초청강연 'US-based neck anatomy and its clinical significance: focusing on non-surgical treatment'. 2017 Nov 4. Seoul St. Mary's Hospital, Seoul, Korea.
103. Digital Healthcare Forum 초청강연. Thyroid CAD System using artificial intelligence. 2017 Nov 21, Samsung Seoul Hospital, Seoul, Korea
104. 강릉아산병원 영상의학과 초청강연. RFA of recurrent thyroid cancers. 2017 Dec 6.
105. 대한갑상선영상의학회 연수강좌 강의. Ethanol and Radiofrequency Ablation for thyroid nodules. 2017 Dec 10. 서울대학교병원 소아병원 강당, 서울
106. 초음파통증치료연구회 초청강연 'Thyroid ultrasound: Basic techniques and current trend'. 2018 Jan 14. 건국대학교병원, Seoul, Korea.
107. 대한갑상선학회 춘계학술대회 초청강연 '인공지능을 이용한 갑상선결절의 진단'. 2018 March 9. MVL hotel, 여수, Korea

108. 가천의대 길병원 영상의학과 Grand Radiology Round 초청강연.
인공지능을 이용한 갑상선암의 진단. 2018 March 16. Incheon, Korea
109. ITA 학회 초청강연. Multicenter study와 진료지침연구의 진행, data 관리.
2018 April 17. 건국대학교 병원
110. 2018 대한외과초음파학회 춘계학술대회 초청강연. Ethanol and thermal ablation for malignant thyroid tumours. 2018년 4월 29일(일) 신촌 세브란스병원 의생명 연구센터 유일한홀
111. 서울아산병원 국제교류실 초청강연. Asan International Radiology Master Class for Thyroid. 2018년 6월 20일
112. 대한의학영상정보학회 초청강연. Disease based experience; thyroid artificial intelligence. 2018년 7월14일. 백범기념관, 서울
113. Korean Society of Thyroid Radiology 초청강연. The 4th Intensive Hands-on Course for Thyroid. Thyroid radiofrequency ablation. 2018년 7월15일.
서울성모병원, 서울
114. 대한갑상선학회 추계학술대회 초청강연. Radiofrequency ablation of recurrent thyroid cancer: technique and complications. 신의료기술 ‘갑상선 재발암의 고주파 치료’: 유효성과 안전성. 2018년 8월 24-25일. 드래곤시티, 서울.
115. 제11회 대한ITA영상의학회 정기학술대회 / 5회 KCIO 초청강연. My journal on thyroid ablation in Honorary Lecture. 2018년 9월 1일 (토)
서울아산병원 교육연구관 1층 의대강당.

116. Korean Society of Thyroid Radiology 제1회 지역 심화 Hands-on 교육(부산-경남) 초청강연. Thyroid radiofrequency ablation. 2018년 9월2일.
해운대_나눔과행복병원, 부산.
117. 2019 대한갑상선학회 춘계학술대회 좌장. Chairperson for Symposium 5: Diagnostic strategy of thyroid nodules. 2019년 3월 8-9일(일) 대전 컨벤션센터, 대전
118. 2019 제 10회 대한갑상선영상의학회 학술대회 좌장. How can I improve my clinical practice? Session. 2019년 4월 20일(토). 강원대학병원 암 노인센터 6층 대강당
119. Korean Society of Thyroid Radiology 초청강연. The 5th Intensive Hands-on Course for Thyroid. Live demonstration of neck anatomy. 2019년 6월30일.
서울성모병원, 서울
120. 대한갑상선학회 추계학술대회 초청강연. US-CNB pathology correlation: Clinical value in Symposium 1: CNB 진료 지침 가이드라인, 2019년 8월30~31일, 세종대학교 광개토관 지하2층
121. 대한ITA영상의학회 정기학술대회 초청강연. Session 4: KSITA meet KSThR. 강연 KSThR: past, present and future. 2019년 9월 7일 이대서울병원 (새병원), 서울
122. 2019 대한갑상선영상의학회 연수강좌 강의. Thyroglobulin basics and clinical significance. 2019 Dec 8. 서울대학교병원 소아병원 강당, 서울
123. 대한ITA영상의학회 정기학술대회 좌장. Session 2: Updated practice in

- thyroid ablation and updated guideline in renal/adrenal ablation. 2020년 8월 12일, webinar
124. 대한갑상선학회 추계학술대회 초청강연. Radiofrequency ablation of recurrent/persistent thyroid cancers, 2020년 8월21~22일, webinar
125. 대한갑상선학회 춘계학술대회 Free Paper session 2 좌장: 2021 Mar 6. 광주, Korea
126. 대한외과 초음파학회 초청강연 “RFA of recurrent thyroid cancers invading airway”. 2021 Mar 16
127. 대한갑상선학회 추계학술대회 Technical tips of thyroid biopsy. 2021 Aug 27-28. Seoul, Korea
128. ITA 학회 좌장: Honorary lecture – Cyst ablation. 11th Sep 2021
129. Webinar: 제 6회 두경부초음파학회 초청강연 “갑상선 고주파 현황 및 치료 시 tip”. 26th Sep 2021.
130. 2022 대한갑상선학회 춘계학술대회 연수강좌 초청강연 “Technical tips of thyroid biopsy”. 2022 Mar 4-5. Busan, Korea.
131. 대한갑상선영상의학회 학술대회 좌장 “Guidelines of intervention and imaging” session. 2022 Apr 16. Seoul, Korea.
132. 제15 회 대한내분비학회 호남지회 연수강좌 초청강연. 갑상선결절의 고주파절제. 2022 April 23, 광주, 대한민국
133. Webinar: 부울경내분비대사학회 정기 집담회 초청강연. 갑상선재발암의 고주파절제. 2022년 4월 26일
134. 2022 대한외과초음파학회 춘계학술대회 초청강연 “Thyroid RFA case review: Big size benign nodules and recurrent thyroid cancers” 2022년 05월

15일(일) 서울 강남 삼성호텔, 서울, 대한민국

135. Webinar: 대한두경부종양학회 춘계학술대회 초청강연. “RFA of PTMC”

2022년 5월 28일

136. 제18회 갑상선 연수회 초청강연 “RFA of thyroid cancer” 2022년 6월 18일

(토), 수원, 대한민국

137. KSSR 좌장 [영상의학과 외래 운영의 실제] 2022-6-23~24, 부산, 대한민국

138. 고려대학교 구로병원 영상의학과 초청강연. “Thyroid RFA” 2022년

6월29일 고대구로병원, 서울

139. 한양대학교 영상의학과 50주년 학술대회 강연 "갑상선고주파 20년간의 경험"

2022년 12월10일. 한양대학교 병원

140. 송영기교수님 정년기념 심포지엄 “갑상선암의 오늘과 내일”에서 초청강연

“갑상선 재발암의 비수술적 치료”. 2023년 7월 14일 서울아산병원

141. 대한갑상선영상의학회 연수강좌. "How to perform thyroid RFA - advanced

technique and learning curve" 2023년 12월 10일 (일) 서울대학교병원

142. 2024 대한갑상선학회 추계학술대회 연수강좌 초청강연 “20-year

experience of thyroid RFA”. 2024 Aug 29-30. Seoul, Korea.

143. 한-중 고주파교류회 “Recent research of thyroid RFA in Asan Medical

Center” 2024 Nov 2. Seoul, Korea

144. 대한갑상선영상의학회 창립 15주년 기념학회. 갑상선영상의학회

현안세션 좌장. 2025년 4월 18일-19일 강릉 스카이베이호텔

145. KSSR 좌장 [Active surveillance of PTMC] 2025-6-26~27, 부산, 대한민국

146. 2025 대림성모병원 제 8회 청암 심포지엄. Session 2 좌장: US-Guided

Thyroid Intervention, 2025년 7월 9일, 여의도 콘래드호텔 파크볼룸(5층),

서울, 대한민국.

147. 2025 대한갑상선학회 추계학술대회 패널리스트 “저위험 갑상선암의 고주파치료 권고안” 공청회 2025년 8월30일 세종대학교 광계토관 컨벤션센터
148. 2025년 대한영상의학과 의사회 제28차 학술대회 및 총회. 초청강연 “갑상선 미세유두암: 장기 추적 결과에서 RFA, AS, Surgery 비교” 2025년 8월 31일(일) 연세대학교 의과대학 에이비슨 유일한홀
149. 영상의학과 전공의 강의 “thyroid intervention” 2025년 11월5일 서울아산병원

Guest Speaker or Chairperson, International Conference

1. Radiofrequency ablation for benign thyroid nodules. Present at the **19th Japan Association of Breast and Thyroid Sonology** as an invited speaker. Oct. 6-8 2007, Yokohama, Japan
2. Radiofrequency ablation for benign thyroid nodules. Present at the Annual Meeting of the **Society of Ultrasound in Medicine of the Republic of China (SUMROC)** as an invited speaker. Oct. 27-28 2007, Taipei, Taiwan
3. Radiofrequency ablation of benign thyroid nodules focusing on the complications and technical tips. Presented at the **2nd Thyroid Symposium and Hands-on workshop** as an invited speaker. Dec. 9 2007, Seoul, Korea
4. Radiofrequency ablation of thyroid tumors. Presented at **2nd the Image-guided Tumor Ablation Symposium** as an invited speaker. Apr.12 2008, Busan, Korea.
5. Image-guided intervention for thyroid nodules. Present at the **39th Korean Soc Med Ultrasound Meeting** as an invited speaker. May 17, 2008. Seoul, Korea.
6. Radiofrequency ablation of benign thyroid nodules. Present at the **5th thyroid workshop** as an invited speaker. Jun 21, 2008, Seoul, Korea.
7. Non-invasive therapy for thyroid nodules. Present at the **2nd symposium of Korean Thyroid Association** as an invited speaker, Sep. 6-7, 2008. Kwangju, Korea.

8. Radiofrequency ablation for nodular lesions in thyroid entity. Present at the **Annual Meeting of The Society of Ultrasound in Medicine** of the Republic of China (SUMROC) as an invited speaker. 1-2 Nov 2008, Taipei, Taiwan
9. Diagnosis of thyroid nodules and Thyroid Radiofrequency ablation. Present at the Korean Society of Radiologic Symposium 2008 as an invited speaker. Nov. 30 2008, Seoul, Korea
10. Radiofrequency ablation of thyroid nodules. Presented at the **3rd Thyroid Symposium** as an invited speaker. Feb. 8 2009, Seoul, Korea
11. Radiofrequency ablation for Thyroid Nodules: **Thyroid Symposium and Hands-on Workshop** as an invited speaker. May 10, 2009, Seoul, Korea.
12. Radiofrequency ablation of thyroid and neck tumors. Present at the **6th thyroid workshop** as an invited speaker. Jun 20 2009, Seoul, Korea.
13. Radiofrequency ablation of head and neck tumors. Present at the **5th Congress of the Breast Cancer Minimum Invasive Therapy Meeting** as an invited speaker. Jul 4 2009, Tokyo, Japan.
14. Radiofrequency ablation for thyroid tumors. Present at the **1st Korea Japan Image-guided Tumor Ablation Symposium** as an invited speaker. Sep 12-13 2009, Tokyo, Japan.
15. Radiofrequency ablation for thyroid nodular disease. Present at the **Annual Meeting of the Society of Ultrasound in Medicine of the Republic of China (SUMROC)** as an invited speaker. Oct. 16-18 2009, Taipei, Taiwan
16. Radiofrequency ablation of thyroid and head & neck tumors. Present at the **Radiological Grand Round in Ajou University Hospital** as an invited speaker. Oct 30 2009, Suwon, Korea
17. Radiofrequency ablation of thyroid and head & neck tumors. Present at the **Thyroid Meeting in Kyungpook National University Hospital** as an invited speaker. Dec 9th, 2009, Daegu, Korea.
18. Radiofrequency Ablation of Benign Non-functioning Thyroid Nodules: Long-term Follow-Up Results. Presented at the **Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR)** as an invited speaker. Jan. 17 2010, Seoul, Korea
19. Radiofrequency ablation for thyroid nodules. Presented at the **SGR (Surgical Grand Round)** of S NUH as an invited speaker. 20 Mar 2010. Seoul, Korea

20. Radiofrequency ablation for thyroid nodules. Presented at the **13th AOCR (Asia Oceania Congress of Radiology)** as an invited speaker. 20-24 Mar 2010. Taipei, Taiwan
21. Radiofrequency ablation for thyroid lesions. Presented at the **14th ICE (International Congress of Endocrinology)** as an invited speaker. 26-30 Mar 2010, Kyoto, Japan.
22. Radiofrequency ablation for benign thyroid lesions. **9th APCCVIR (Asia-Pacific Congress of Cardiovascular & Interventional Radiology)** as an invited speaker. 1-4 Jun 2010, Seoul, Korea
23. Post-op imaging of thyroid cancer. Present at the **2nd symposium of Korean Thyroid Association** as an invited speaker. Aug. 20-21 2010. Busan, Korea.
24. Radiofrequency ablation for thyroid disease. **Annual Meeting of the Society of Taiwan Society of Ultrasound in Medicine** as an invited speaker. Oct. 2-3 2010, Taipei, Taiwan
25. Radiofrequency ablation of thyroid tumors. Present at the **Radiological Grand Round in Sevrance University Hospital** as an invited speaker. Oct 4 2010, Seoul, Korea
26. Radiofrequency ablation for thyroid disease. **2010 National Conference on the innovation of diagnostic and interventional ultrasound** as an invited speaker. Oct. 16-17 2010, Jingzhou, China
27. Fine-needle aspiration and core needle biopsy of thyroid nodule: Presented at the **Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR)** as an invited speaker. Dec. 12 2010, Seoul, Korea
28. Radiofrequency ablation of thyroid and neck tumors. **9th International Intensive Course of Interventional Radiology (IICIR)** as an invited speaker, Feb 14-18 2011, Seoul, Korea
29. Radiofrequency ablation of benign and malignant thyroid and neck tumors. **Advances & Novel Technology in the Radiofrequency ablation Treatment** as an invited speaker, Mar 5 2011, Taipei, Taiwan
30. Radiofrequency ablation of thyroid lesions. **2nd Annual Symposium in Ewha Woman's University Medical Center** as an invited speaker. Mar 20 2011, Seoul, Korea

31. Hands-on workshop of Radiofrequency ablation of thyroid lesions: **Thyroid Symposium of Korean Society of Thyroid Radiology** as an invited speaker. Apr 23 2011, Busan, Korea
32. Find-needle aspiration techniques for thyroid nodules. **Thyroid US and Radiofrequency Course Program 2011** as an invited speaker. Apr 27-28, 2011, Tehran, Iran
33. Radiofrequency ablation techniques for thyroid nodules. **Thyroid US and Radiofrequency Course Program 2011** as an invited speaker. Apr 27-28, 2011, Tehran, Iran
34. Radiofrequency ablation of recurrent thyroid cancers. **Thyroid US and Radiofrequency Course Program 2011** as an invited speaker. Apr 27-28, 2011, Tehran, Iran
35. Live demonstration of Radiofrequency ablation and Find-needle aspiration for thyroid nodules. **Thyroid US and Radiofrequency Course Program 2011** as an invited speaker. Apr 27-28, 2011, Tehran, Iran
36. Post-op imaging of thyroid cancer. Present at the **Thyroid Symposium of Severance Hospital** as an invited speaker. Jun 18 2011. Seoul, Korea.
37. US diagnosis of thyroid cancer and Post-op imaging. Present at the **8th thyroid workshop** as an invited speaker. Jun 18 2011, Seoul, Korea.
38. Post-op imaging of thyroid cancer. Present at the symposium of **Korean Thyroid Association** as an invited speaker. Aug 20 2011. Daegu, Korea.
39. Non-surgical ablative therapy for the recurrent thyroid cancers. Present at the **The First Asian Master Class of Thyroid Cancer** as an invited speaker. Sep 1-3 2011, Seoul, Korea
40. **The 1st Master Course of Thyroid Radiofrequency Ablation in Europe**, as an invited speaker and course director Radiofrequency ablation of thyroid and neck tumors, Sep 15 2011, Rome, Italy
41. Radiofrequency ablation for thyroid nodules. Presented at the **SGR (Surgical Grand Round) of Asan Medical Center** as an invited speaker. 21 Sep 2011. Seoul, Korea

42. Radiofrequency ablation for thyroid nodules. Presented at the **4th annual meeting of Korea Society of Image-guided Tumor Ablation** as an invited speaker. 24 Sep 2011. Seoul, Korea
43. Thyroid Radiofrequency ablation: Current experience and new perspectives. Present at the **Workshop of radiofrequency thermal ablation of thyroid nodules:** as an invited speaker, Oct 13 2011, Turin, Italy
44. Radiofrequency ablation of benign and malignant thyroid nodules. Present at the **10th AME congress 2011** as an invited speaker, Oct 14-16 2011, Udine, Italy
45. Thyroid Radiofrequency ablation. Present at the Meet the Professor of **10th AME congress 2011** as an invited speaker, Oct 14-16 2011, Udine, Italy
46. Role of US in post-op thyroid cancer. Present at the **Symposium of Korean Endocrine Society 2011** as an invited speaker, Nov 4-5 2011, Kyungju, Korea
47. Radiofrequency ablation of thyroid nodules: educational presentations of thyroid intervention. Present at the **1st Japan Thyroid Intervention Conference (JTIC)** as an invited speaker. Nov 21 2011, Osaka, Japan
48. Complications of thyroid Radiofrequency ablation. Presented at the **Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR)** as an invited speaker. Dec. 11 2011, Seoul, Korea
49. Radiofrequency ablation of thyroid and neck tumors. Presented at the **10th International Intensive Course of Interventional Radiology (IICIR, 2012)** as an invited speaker, February 13-17 2012, Seoul, Korea
50. AACE/AME/ETA guideline: Which nodules should be biopsied? Presented at the **2012 Yonsei Thyroid Intensive Course-II** as an invited speaker, March 4 2012, Seoul, Korea
51. Radiofrequency ablation of thyroid tumors. Presented at the **Thyroid workshop 2012** (Management of thyroid disorder: diagnosis to treatment) as an invited speaker and a supervisor of live demonstration, March 16-17 2012, Genova, Italy
52. Workshop: Radiofrequency ablation of thyroid. Present at the **Thyroid workshop** as an invited speaker and a supervisor of live demonstration, April 20-21 2012, Singapore, Singapore

53. Radiofrequency ablation of thyroid nodules: Present at the **2012 Joint congress of Medical Ultrasound in Seoul (KSUM, ACUCI and KCThR)** as an invited speaker. May 11-13 2012, Seoul, Korea
54. Thyroid Radiofrequency ablation in Korea: Present at the **9th APCCVIR (Asia-Pacific Congress of Cardiovascular & Interventional Radiology)** as an invited speaker. May 30 - June 2, 2012, Kobe, Japan
55. Beyond procedure to total care: Present at the **21st Congress of Korean Society of Intervention** as an invited speaker. June 22-23, 2012, Kwangju, Korea
56. **The 2nd Master Course of Thyroid Radiofrequency Ablation in Europe**, as an invited speaker and course director Radiofrequency ablation of thyroid and neck tumors, September 15 2012, Lisbon, Portugal.
57. Non-surgical approaches of benign thyroid nodules: Present at the 10th **Asia-Oceania Thyroid Association (AOTA) Congress** as an invited speaker. 24-27 October 2012, Bali, Indonesia
58. **14th National Class of New Technology of Interventional Ultrasound and Clinical Application Progress of Tumor Ablation** as an invited speaker. October 23–28, 2012, Beijing, China
59. Anatomy of extra-thyroid neck and clinical implications. Presented at the **Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR)** as an invited speaker. Dec. 9 2012, Seoul, Korea
60. Radiofrequency ablation of thyroid and neck tumors. Present at the **11st International Intensive Course of Interventional Radiology (IICIR)** as an invited speaker. Jan 28-Feb 1, 2013, Seoul, Korea
61. Non-surgical management strategy for benign thyroid nodules. Presented at the **4th Thyroid Symposium of Korean Society of Thyroid Radiology (KSThR)** as an invited speaker. Apr. 27 2013, Seoul, Korea
62. “Ethanol and Radiofrequency ablation of thyroid tumors” in Meet the professor session. Present at the **44th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2013)** as an invited speaker. May 24-25, 2013, Seoul, Korea.

63. "Role of Core needle biopsy for previous AUS/FLUS thyroid results". Present at the **44th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2013)** as an invited speaker. May 24-25, 2013, Seoul, Korea.
64. Thyroid in the Session "Would you have ever thought to ablate?": Present at the **1st Interventional Oncology Sans Frontieres Congress (IOSFC)** as an invited speaker. May 29th to June 1st, 2013, Como, Italy
65. New clinical applications of image-guided ablation of Thyroid. **4th European Conference on Interventional Oncology (ECIO) 2013** as an invited speaker. June 19-22, 2013, Budapest, Hungary.
66. Technical advancement of ITA beyond hepatic Radiofrequency ablation: Thyroid Radiofrequency ablation. **The 3rd Korea-Japan ITA (Image-guided Tumor Ablation) meeting** as an invited speaker. June 29-30, 2013, Seoul, Korea
67. **The 3rd Master Course of Thyroid Radiofrequency Ablation in Europe**, as an invited speaker and course director. September 16, 2013, Barcelona, Spain
68. Thyroid tumours in Special Session, New clinical applications for interventional oncologists 2 in **Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2013 Annual Meeting** as an invited speaker. September 14-18, 2013, Barcelona, Spain
69. **The 1st Academic Conference of China and South Korea** as an invited speaker and a supervisor of liver demonstration. November 9, 2013, Dalian, China
70. **International Intensive Course of Interventional Radiology (IICIR) 2014** as an invited speaker. February 17-21, 2014, Seoul, Korea
71. **Academic Forum by Jiangsu Provincial Institute of Traditional Chinese Medicine**, as an invited speaker. February 26-27, 2014, Nanjing, China
72. **Imaging development forum of Nanjing Medical University** as an invited speaker. March 15-16, 2014, Nanjing, China
73. **The Indian Society of Vascular and Interventional Radiology (ISVIR) 2014** as an invited speaker. April 3-6, 2014, Mumbai, India
74. **The Asian Congress of Tumor Ablation (ACTA) 2014** as an invited speaker. May 3-4, 2014, Taipei, Taiwan
75. **The Japan Thyroid Intervention Conference (JTIC)** as an invited speaker. May 10, 2014, Yokohama, Japan

76. **The National Class of New Technology of Interventional Ultrasound and Contrast-enhanced Ultrasound**, as an invited speaker and supervisor of live demonstration. July 23 – 24, Fuzhou, China
77. **China and Korea peak BBS of Radiofrequency ablation of thyroid**, as an invited speaker. July 26-27, Zhengzhou, China
78. **The Spanish Society Satellite Symposium of European Thyroid Association**, as an invited speaker, Radiofrequency ablation of benign thyroid nodules. September 6, 2014, Santiago, Spain
79. **The 4th Master Course of Thyroid Radiofrequency Ablation in Europe 2014**, as a Director and invited speaker, Radiofrequency ablation of recurrent thyroid cancers. September 8, 2014, Santiago, Spain
80. **Master course of “Radiofrequency Ablation of Thyroid Nodules”** as an invited speaker and a supervisor of live demonstration of Radiofrequency ablation, September 10, 2014, Malaga, Spain.
81. **Hands-on workshop of Thyroid gland at Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2014 Annual Meeting** as an instructor. September 14, 2014, Glasgow, UK.
82. **First International Conference of Ultrasound Diagnosis and Treatment in Thyroid Disease** an invited speaker and a supervisor of live demonstration of Radiofrequency ablation and microwave ablation, “Radiofrequency ablation for recurrent thyroid cancer”, October 17-19, 2014, Beijing, China.
83. **The 10th Chinese Conference of Minimally Invasive Therapy in Oncology and the 1st Scientific Meeting of Asia-Pacific Association of Imaging guided Therapy in Oncology** as a board of directors and an invited speaker, “Radiofrequency Ablation for Thyroid Tumor”. November 6-8, 2014, Intercontinental hotel, Shanghai, China.
84. **The 14th Annual Scientific Meeting of Hong Kong Society of Interventional Radiology (HKSIR)** as a committee member and as an invited speaker, “Radiofrequency Ablation for Thyroid and Neck Tumors”. November 29, 2014, Langham Hotel, Hong Kong, China

85. **International Intensive Course of Interventional Radiology (IICIR) 2015** as an invited speaker, “RF ablation of thyroid and neck tumors”. February 2-6, 2015, Seoul, Korea
86. **Asan International Radiology Master Course (AirMC)** as a director of thyroid. February 24-28, 2015, Asan Medical Center, Seoul, Korea
87. **SITAT (Samsung Image-guided Tumor Ablation Training) Program** as an invited speaker, “RF ablation of thyroid”. February 25-27 2015, Samsung Medical Center, Seoul, Korea
88. **The 74th Annual Meeting of the Japan Radiological Society** as an invited speaker, “US-guided biopsy and minimally invasive treatment of thyroid”. April 16-19, 2015, Yokohama, Japan.
89. **The 5th Master Course of Thyroid Radiofrequency Ablation in Europe 2015**, as a Director and an invited speaker. April 22, 2015, Nice, France
90. **The 6th European Conference on Interventional Oncology (ECIO 2015)** as an invited speaker, “Thyroid at clinical focus session: evidence for expanding the boundaries”. April 22-25, 2015, Nice, France
91. **The 1st Hands-on Thyroid Radiofrequency Ablation Workshop** as a Director and an invited speaker. April 23, 2015, Nice, France
92. **The 46th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2015)** as an invited speaker “Guidline of core-needle biopsy in thyroid”, May 15-16, 2015 in Seoul, Korea.
93. **The 2015 International Conference of Thyroid** as an invited speaker, " Radiofrequency Ablation of thyroid focusing on efficacy and complications". June 13-14, 2015, Hangzhou, China
94. **National Congress of Indonesian Society of Endocrinology 2015** as an invited speaker, “Nonsurgical minimally invasive therapy for benign thyroid nodules” and Director of Hands-on Workshop of Thyroid RFA. 31 July to 2 August, 2015, Yogyakarta, Indonesia
95. **Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2015 Annual Meeting, Hands-on Workshop Tumor ablation: tips and tricks** as an instructor. September 26-30 2015, Lisbon, Portugal.
96. **The 2nd Hands-on Thyroid Radiofrequency Ablation Workshop** as a Director

and an invited speaker. Sep 28, 2015, Lisbon, Portugal.

97. **Thyroid Radiofrequency Ablation Workshop and live demonstration of thyroid RFA** as a supervisor and an invited speaker. Sep 29, 2015, Hospital da Luz, Lisbon, Portugal.
98. **The 15th International Thyroid Congress (ITC)** as an invited speaker hosted by the American Thyroid Association (ATA) and co-sponsored by the four international thyroid sister societies (ATA, Asia Oceania Thyroid Association, European Thyroid Association and Latin American Thyroid Society), “Core and fine needle biopsy: pros and cons during a session entitled discussion/debates”, October 18-23, 2015, Orlando, Florida, USA.
99. **The Asian Congress of Tumor Ablation (ACTA) 2015** as a member of organizing committee, a moderator for “Meet the experts DVD workshop (Early morning workshop)” and an invited speaker for “Thyroid radiofrequency ablation” in ablation beyond the liver. Oct 30-31, 2015, Fukuoka, Japan
100. **The 27th Congress of European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB, EUROSON 2015)** as an invited speaker for “Thyroid Radiofrequency Ablation” and director of satellite hands-on Symposium on “Thyroid Ablation”. Nov 6-8, 2015, Athens, Greece.
101. **Metropolitan Hospital Symposium in an update on the management of benign thyroid nodular disease-minimally invasive therapy with a focus on radiofrequency ablation** as an invited speaker for “Radiofrequency Ablation of benign thyroid nodules: An innovative technique and future perspective” and Live demonstration of thyroid RFA in two patients as a supervisor. Nov 7th, 2015, Athens, Greece.
102. **The 1st Congress of Asia-Pacific Society of Thyroid Surgery (APTS)** as an invited speaker, “Radiofrequency and ethanol ablation of thyroid lesions” and a member of advisory committee. November 19-20, 2015, Seoul, Korea
103. **25th Annual Scientific Meeting of the Singapore Radiological Society and College of Radiologists Singapore and 5th Workshop in Interventional Radiology Education in Singapore (WIRES)** as a teaching faculty and an invited speaker. Thyroid RFA indications, technique, current status, tips and tricks, and my worst cases. February 19-21, 2016, Singapore.

104. **International Intensive Course of Interventional Radiology (IICIR) 2016 as an invited speaker, “RF ablation of thyroid and neck tumors”**. February 22-26, 2016, Seoul, Korea
105. **Thyroid RF Ablation workshop and live demonstration** as an invited speaker and supervisor for “The real tips and tricks of thyroid tumor ablation”. April 2, 2016, Taipei, Taiwan.
106. **The 15th Congress of Asian Association of Endocrine Surgeons (AsAES)** as an invited speaker for “Radiofrequency ablation for thyroid disease”. April 7-9, 2016, COEX, Seoul, Korea.
107. **The ECIO 2016 Annual Meeting**, as an invited speaker for “Complication management: Thyroid ablation” and an instructor of “Image-guided tumor ablation - Beside the mainstream: thyroid, prostate, lymph nodes”. April 17-20, 2016, Dublin, Ireland.
108. **The 6th Master Course of Thyroid Radiofrequency Ablation in Europe 2016**, as a Course Director and an invited speaker for thyroid radiofrequency ablation of benign and malignant thyroid tumors. April 18, 2016, Dublin, Ireland
109. **47th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2016)** as a director and an invited speaker for Hands-on workshop of ultrasonography for thyroid and neck, May 20-21, 2016, COEX, Seoul, Korea.
110. **47th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2016)** as an invited speaker for Luncheon Symposium organized by Samsung “Artificial intelligence is coming: Thyroid CAD system”, May 20-21, 2016, COEX, Seoul, Korea.
111. **2nd Scientific Meeting of Asia-Pacific Association of Image-Guided Therapy in Oncology (APAITO 2016)** with a theme “Constructive Model and Strategy in Tumor Therapy” as a member of board directors, moderator and an invited speaker for “RF ablation of thyroid and neck tumors” on May 26-28, 2016, Qingdao, Shandong Province, China
112. **2nd “Interventional Oncology Sans Frontières Congress (IOSFC)”** as an invited speaker for “Ablation of thyroid cancers and cervical malignant adenopathy” on July 7-9, 2016, Milano, Italy.
113. **Cardiovascular and Interventional Radiological Society of Europe (CIRSE)**

2016 Annual Meeting as an invited speaker for Special Session “The role of thermal ablation in malignant thyroid disease” September 10-14, 2016, Barcelona, Spain

114. **The 3rd Hands-on Thyroid Radiofrequency Ablation Workshop** as a Director and an invited speaker organized by RF Medical Co. September 10-14, 2016, Barcelona, Spain
115. **The 3rd international conference of minimally invasive and precise treatment of breast and thyroid tumors** as an invited speaker ‘Thyroid ablation: focusing on procedure standardization and complication prevention’. October 15-16, 2016. Beijing, China
116. **The 3rd Asian Conference on Tumor Ablation (ACTA)** as a Chairperson of thyroid session, Moderator of thyroid hands-on session and direct of board member. October 28-29, 2016. Asan Medical Center, Seoul, Korea
117. **Annual meeting of Otolaryngology and Head Neck Surgery 2017** as an invited speaker and instructor of hands-on workshop with live RFA case demonstration on January 11-13, 2017. Myanmar, Myanmar.
118. **15th International Intensive Course of Interventional Radiology (IICIR) 2016** as an invited speaker, “RF ablation of thyroid and neck tumors”. February 13-17, 2017, Seoul, Korea
119. **The 19th Annual Conference of the Indian Society of Vascular and Interventional Radiology (ISVIR 2017)**. Thyroid Radiofrequency Ablation focusing on indications and techniques as an invited speaker. February 23-26, 2017, Kolkata, India
120. Lecture in **University of Virginia Health System**. As an invited speaker “Thyroid Clinic by Radiologist” and “Radiofrequency ablation of thyroid and neck tumors”, March 2 2017. Virginia, USA
121. Lecture in **University of North Carolina Hospital**. As an invited speaker “Radiofrequency ablation of thyroid and neck tumors”, March 3 2017. North Carolina, USA
122. **The Annual Meeting of Society of Interventional Radiology (SIR) 2017** as an invited speaker ‘Thyroid ablation’ in Galobal Interventional Radiology Session, on March 4-9 2017, Wasington D.C., USA.

123. **The 12th Congress of Asia and Oceania Thyroid Association (AOTA)** as a Chair at “Thyroid Ultrasound Course with Practicum” in Pre-Congress Workshop and a invited speaker of “Ethanol and radiofrequency ablation of thyroid nodules” in new modalities in the treatment of advanced thyroid cancer on March 16-19, 2017, Busan, Korea.
124. **2017 Thyroid Tumor Ablation Masterclass Toward the Ocean of Head and Neck** as an invited speaker (Topic: The real tips and tricks of thyroid tumor ablation) and a director of Hands-on Training Session on April 8, 2017, Taipei, Taiwan.
125. **2017 Thyroid Tumor Ablation Masterclass Toward the Ocean of Head and Neck** as an invited speaker (Topic: The real tips and tricks of thyroid tumor ablation) and a director of Hands-on Training Session on April 9, 2017, Kaohsiung, Taiwan.
126. **The 5th Seoul International Congress of Endocrinology and Metabolism (SICEM) 2017** as an invited speaker “Korean Thyroid Imaging Reporting and Data System (K-TIRAD) and future of computer-aided diagnosis at Clinical Update in Thyroid Session”. April 27-30, Seoul, Korea
127. **The 1st Frontiers in the clinical management of thyroid disease** as an invited speaker for “Radiofrequency: Korean experience” at Thermoablation techniques session, a panelist for “TIRADS scores: Differences and complementaries” at round table session and an invited speaker for “thyroid radiofrequency” at workshops on May 12-13, 2017, American Hospital of Paris, Paris, France.
128. **The 7th MCTR (Master Course of Thyroid RFA in Europe)** as a director and an invited speaker for “Thyroid RFA: techniques and clinical outcomes”, “RFA of primary and recurrent thyroid cancers” and “complications of thyroid RFA” on May 12, 2017, Paris, France.
129. **The 48th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2017)** as a Chairperson of Thyroid Categorical Course on May 26-27, 2017, Seoul, Korea
130. **National Class of Parathyroid Minimally Invasive Treatment Progress** as an invited speaker “RFA for parathyroid: Technique and Complications”. June 29-July 3 2017. Hangzhou, China.

131. **The 3rd World Congress on Thyroid Cancer (WCTC)**, in Instructional Course sessions as an invited speaker and a moderator “Non Surgical Ablative Therapy for Thyroid Nodules and Cancer Interventional: Alcohol and other ablative techniques for thyroid nodules and nodes”. July 27-30, 2017. Boston, MA, USA.
132. **The Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2017 Annual Meeting** as an invited speaker for Workshop “Thyroid and Kidney ablation” September 16-20, 2017, Copenhagen, Denmark
133. **The 4th Hands-on Thyroid Radiofrequency Ablation Workshop** as a Director and an invited speaker organized by RF Medical Co. September 16, 2017, Copenhagen, Denmark
134. **The 16th World Federation for Ultrasound in Medicine and Biology Congress (WFUMB 2017)** as Chairperson of a session & an invited speaker “Thyroid and perithyroidal anatomy for non-surgical treatment including radiofrequency ablation” “Thyroid and perithyroidal anatomy for non-surgical treatment”, “Core-needle biopsy for thyroid” and “Radiofrequency and ethanol ablation for Thyroid”. 2017 Oct. 13-17. Taipei, Taiwan
135. **73rd Korean Congress of Radiology (KCR 2017)**, as a Chairperson of “Scientific session of thyroid cancer”, from October 25 (Wed) to 28 (Sat), 2017, Seoul, Korea
136. **The 4th Asian Conference on Tumor Ablation (ACTA)** as an invited speaker and Chairperson “Thyroid RFA: technique and devices” at Pre-conference Education Session and a moderator of special session “Branch Venue of Ablation on Thyroid and Breast Tumors”. November 17-18, 2017. Guangzhou, China
137. **The 16th International Intensive Course of Interventional Radiology (IICIR) 2018** as an invited speaker, “RFA of thyroid and neck tumors”. February 5-9, 2018, Seoul, Korea
138. **The Annual Meeting of Society of Interventional Radiology (SIR) 2018** as an invited speaker ‘Thyroid ablation’ in ‘Cool IR Therapies from around the world’ Session, on March 17-22, 2018, Los Angeles, USA.
139. **The 1st MCTR (Master Course of Thyroid RFA) in the USA** as a director and an invited speaker March 17, 2018, Los Angeles, USA.

140. **2018 Pharos Interventional Ultrasound Standardized Training** as an invited speaker on Standardization of tumor ablation session: Ablation of thyroid nodules. March 24-25, 2018, Shenzhen, China
141. **5th International Forum on ultrasonic medicine of Qianjiang River** as an invited speaker for thyroid RFA, April 13-15 2018, Zhejiang Provincial People's Hospital, Hangzhou, China
142. **The 3rd international thyroid tumor thermal ablation peak meeting** as an invited speaker for New devices and advanced techniques of thyroid RFA. May 11-12, Henan province, China
143. **The AFSUMB 2018 (The 13th Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology) and The 49th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2018)** as an invited speaker (RFA in the Thyroid and Beyond the Thyroid: Challenging Issues: RFA of Recurrent Thyroid Cancers), organizing committee member and a chairperson of KSThR (Korean Society of Thyroid Radiology). May 23-26, 2018, Seoul, Korea
144. **2018 Thyroid Tumor Ablation Masterclass** as an invited speaker (The real tips and tricks of thyroid tumor ablation) and a director of Hands-on Training Session on June 2, 2018, Taipei, Taiwan.
145. **Asia-Pacific Association of Image-Guided Therapy in Oncology 2018 (APAITO)** as an invited speaker and a member of the Scientific Committee, radiofrequency ablation of thyroid cancers (Technical advances of radiofrequency ablation for malignant thyroid lesions and Clinical outcome and complications of radiofrequency ablation of malignant thyroid lesions) & case demonstration (RFA for malignant thyroid lesions). June 22-24 2018, Hong Kong
146. **The 9th edition Workshops in Interventional Radiology Education Singapore (WIRES) organized by College of Radiologists, Singapore (CRS) and the Singapore Radiological Society (SRS)** with theme of "Interventions for Women and Children", as an invited speaker for thyroid RFA and RFA for vascular anomalies, August 17-19 2018, the Singapore General Hospital (SGH) Campus, Singapore

147. **74th Korean Congress of Radiology (KCR 2018)**, as a Chairperson of “CNB guidelines of the thyroid” session. from September 12 (Wed) to 15 (Sat), 2018, Seoul, Korea.
148. **The Cardiovascular and Interventional Radiological Society of Europe (CIRSE) 2018 Annual Meeting** as an invited speaker: ‘Potential concepts for interdisciplinary therapy in thyroid tumours’ in Focus Session ‘Thyroid: small organ - big challenge’, September 22-25 2018, Lisbon, Portugal.
149. **The 4th Hands-on Thyroid Radiofrequency Ablation Workshop** as a Director and an invited speaker organized by RF Medical Co. September 24, 2018, Lisbon, Portugal.
150. **The 5th Asian Conference on Tumor Ablation (ACTA)** as a faculty member and an invited speaker “Indications of thyroid ablation” & “Evidence on thyroid ablation” at Thyroid and parathyroid ablation session. October 6-7th, 2018 at Chennai, India.
151. **51th Annual Meeting of Japanese Society of Thyroid Surgery (joint with Japanese Thyroid Intervention Conference)** as an invited speaker for RFA of thyroid lesions: Clinical usefulness and complications, October 25-27 2018 at Yokohama, Japan
152. **1st Congress of Asian Surgical Ultrasound Society (ASUS 2018)** as an invited speaker for Efficacy and safety of RFA for primary and recurrent thyroid carcinoma at Plenary Session 2: USG Guided Ablation for Tumors. November 17-18, Seoul, Korea
153. **The 104th Radiological Society of North America (RSNA) 2018 Annual Meeting** as an invited speaker: ‘US-guided ablation for thyroid malignancies’ in ‘Other Organs’ session at Interventional Oncology Course, November 25-30 2018, Chicago, IL, USA
154. **The 17th International Intensive Course of Interventional Radiology (IICIR) 2019** as an invited speaker, “RFA of thyroid and neck tumors”. February 11-15, 2019, Seoul, Korea
155. **The 40th Annual meeting of Endocrine Society and the Diabetes Association of the Republic of China (Taiwan)** as an invited speaker: ‘Thyroid

Radiofrequency Ablation: Past, Present and Future' at Radiofrequency Ablation (RFA) in Endocrine Disease Session. 30~31, March, 2019, Taipei, Taiwan.

156. **The 50th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2019)** as an invited speaker for RFA of Primary Thyroid Microcarcinoma, and a chairperson. Lecture about thyroid RFA in RFA Hands-on Session. May 2-4, 2019, Seoul, Korea.
157. **The Ultrasound Interventional Treatment in Thyroid** as an invited speaker for "Ablative treatment of lymph node metastasis after thyroid cancer surgery", May 25, 2019, Guangzhou, China.
158. **The World Congress on Thyroid Cancer 3.5** as a panelist for the sessions of ITNUWG (International Thyroid Nodule Ultrasound Working Group) and Recurrence Management Surgery and Non-Surgical Ablative Therapy: When, Why and How?. June 20 - 22, 2019, Rome, Italy.
159. **MCTR in Europe 2019** "The Master Course of Thyroid RF ablation" as a director and an invited speaker for 'Advances in thyroid RFA' at 16:30, 22nd of June in Rome, Italy
160. **Thyroid RFA training program organized by TATA** (Taiwan Academy of Tumor Ablation) as an invited speaker for 'RFA for thyroid papillary microcarcinoma and recurrent cancer: Pro and Con' August 3, 2019 in Kaohsiung, Taiwan.
161. **The 22nd Brazilian Society of Interventional Radiology and Endovascular Surgery (SOBRICE)**, as an invited speaker for New Frontiers in Oncologic Intervention - lecture: "Thyroid ablation: all we need to know in 10 minutes" and 'US-guided ablations for thyroid tumors: 17 year Korean experience' at Rebouças Convention Center, August 8-10, 2019, Sao Paulo city, Brazil.
162. **The XXVII Brazilian Congress of Head & Neck Society**. Surgical Line's Symposium as an invited speaker for 'Radiofrequency ablation of thyroid nodules' at Rebouças Convention Center, August 7-10, 2019, Gramado, South of Brazil.
163. **75th Korean Congress of Radiology (KCR 2019)**, as a Chairperson of "Case-based review: Thyroid diseases that a radiologist should know" session. from September 18 (Wed) to 21 (Sat), 2019, Seoul, Korea.

164. **The 6th Asian Conference on Tumor Ablation (ACTA 2019)** as a Faculty member, Direct member, Guideline Committee Chairperson and an invited speaker (RFA of thyroid for Meet the professor session, RFA of thyroid cancer), October 25-27, 2019 in Chang Gung Memorial Hospital, Chiayi County, Taiwan.
165. **Annual Congress of the KSS 2019 and 71st Congress of KSS** as an invited speaker for thyroid ultrasound at symposium 1: How to Get The Best Standard Ultrasound Image in The Surgical Field. October 31 (Thursday) to November 2 (Saturday), 2019, at the Grand Hilton Seoul, Seoul, Korea.
166. **Thyroid nodules 2019 – Focus on minimally invasive techniques**, as an invited speaker for the session ‘Thyroid Radiofrequency Ablation of Malignant Tumors’ and Chairperson for the session ‘Radiofrequency Ablation of benign thyroid nodules’. 15-16, Nov 2019, Best Western Classic Hotel, Reggio Emilia, Italy.
167. **II JORNADAS INTERNACIONALES DE CANDER DIFERENCIADO DE TIROIDES**, as an invited speaker for “Non-surgical ablative techniques for persistent disease” November 21th-22th 2019, Málaga, Spain
168. **The 105th Radiological Society of North America (RSNA) 2019 Annual Meeting** as an invited speaker for ‘Thyroid Radiofrequency Ablation: Complications and Solutions’ at the session of International IO meets RSNA: South Korea Presents. December 1-6 2019, McCormick Place, Chicago, Illinois, United States of America
169. **The 2nd Congress of Asian Surgical Ultrasound Society (ASUS 2019)** as a Chairperson of Scientific Session 7: USG-guided Intervention for Thyroid Tumor, Dec 7-8 2019, Seoul, Korea
170. **The 4th National Congress of Vietnam Society of Ultrasound in Medicine (SVUM)** as an invited speaker “Radiofrequency ablation of thyroid cancers”, Jan 10-11 2020, Da Nang, Vietnam.
171. Webinar: The Italian **Minimally Invasive Treatment of the Thyroid (MITT)** Group Conference as an invited speaker “Where are we now in the treatment of thyroid cancer”. Feb 6th 2020, Italy
172. **The 51th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2020)** as an invited speaker for Combination therapy for recurrent thyroid tumors. May 7-9, 2020, Seoul, Korea.

173. Thyroid RFA Webinar: The Netherlands and Korea as an invited speaker “Management of voice complication during RFA”. July 1st 2020
174. 1st Thyroid RFA Webinar: The USA and Korea as an invited speaker “Management of voice complication during RFA”. July 6th 2020
175. Thyroid RFA Webinar: Brazil as an invited speaker “Management of voice complication during RFA”. August 1st 2020
176. **The 17th Asia-Oceania Congress of Endocrinology and The 8th Seoul International Congress of Endocrinology and Metabolism (AOCE-SICEM 2020)** as an invited speaker “Non-surgical treatment for recurrent thyroid cancers”, Apr 15-18, Seoul, Korea.
177. **AHNS Endocrine Surgery Section** Webinars: as an invited speaker for RFA of malignant thyroid nodule video case, October 7 2020
178. **76th Korean Congress of Radiology (KCR 2020)**, as a Chairperson of “Case-based review: Thyroid diseases that a radiologist should know” session. from September 16 to 19, 2020, webinar
179. Thyroid RFA Webinar in Asia: as an invited speaker “How to manage voice complication during RFA”. October 7 2020.
180. **Harvard CME course** ‘Surgery of the Thyroid and Parathyroid Glands’ as an invited speaker (Kotcher lecture) for RFA of benign thyroid nodules and thyroid cancer, Dec 6-7 2020, webinar
181. **The 1st International Thyroid RFA Webinar by Korean society of Thyroid Radiology (KSThR)** as an invited speaker for How to prevent and manage complications during RFA. 31 October 2020.
182. 2nd Thyroid RFA Webinar in USA as a Chairperson. 16 November 2020
183. **The 51th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2020)** as an invited speaker for Combination therapy for recurrent thyroid cancers and a chairperson. Nov 16-17, 2020, Seoul, Korea.
184. **The 3rd Congress of Asian Surgical Ultrasound Society (ASUS 2020)** as a invited speaker for US-guided RFA for bilateral thyroid nodules, Nov 21-22 2020, Seongnam Korea.
185. **The 4th International Thyroid Tumor Ablation summit Forum of Henan Province** as an invited speaker for RFA of recurrent thyroid cancers. Nov 21-22.

Webinar

186. **The 1st Thyroid RFA webinar in Japan** as an invited speaker for International assessment of thyroid RFA, 26-27 Nov 2020.
187. **16th International Thyroid Congress (ITC)** as an invited speaker for Radiofrequency ablation at “Thyroid nodules and cancers-Novel Image Guided Ablative Therapies”. Dec 16-20 2020. Webinar
188. **The 2021 Annual congress of Taiwan Academy of Tumor Ablation (TATA 2021)** as an invited speaker for “Thyroid: Paradigm shift from Surgery to Non-surgical treatment” at ACTA educational committee will organize the educational webinar (ACTA Lecture), Jan 24 2021, Webinar.
189. **ATA’s Year in Thyroidology: A Virtual Experience** as an invited speaker at ‘Directed Therapies for Thyroid Nodules Satellite Course’ for the topic of The Korean RFA Experience: Lessons Learned, February 19-20, 2021
190. **The first in a Series of Webinar EventsThe North American Society of Interventional Thyroidology (NASIT):** The Nuances of Radiofrequency Ablation of Benign Thyroid Nodules as a panelist. March 4, 2021
191. **4th AEDU Virtual Symposia 2021 Banda Aceh**, Driving Innovation in Diagnostic & Management of Thyroid Nodule(s), 2 - 4 April 2021
192. **13th Asian Oceanian Congress of Neuroradiology AOCNR 2021**, RFA of recurrent thyroid cancers. April 22-24 2021, Seoul, Korea
193. **The 52th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2021)** as an invited speaker for RFA of Papillary Microcarcinoma. May 13-14, 2021, Seoul, Korea.
194. **Webinar: RF medical.** Special Lecture – “How to Avoid Complications When Treating PTMC with RF Ablation”. 29th May 2021
195. Webinar: Invited lecture “Thyroid RFA status in Korea” at Kick-off meeting of North American Society of Interventional Thyroidology (NASIT). 9th June 2021.
196. Webinar: Argentina Thyroid Society as an invited speaker for “RFA of thyroid cancers”. 17th June 2021.
197. Webinar: RF medical as an invited speaker for “RFA of inoperable thyroid cancers larger than 1cm”. 7th Aug 2021.
198. **Webinar: Australia and New Zealand. Thyroid RFA Tips & Tricks and patient**

outcomes: Standard and Advanced Techniques. 18th Aug 2021.

199. **76th Korean Congress of Radiology (KCR 2020)**, as a Chairperson of “Special focus session: K-TIRADS” from September 1 to 4, 2021
200. Webinar (Brazil): Invited speaker for “thyroid RFA: advanced and basic techniques”. Sep 10-12 2021.
201. Webinar (Indonesia): Invited speaker for “thyroid RFA”. Oct 2 2021.
202. Webinar: **The 7th Asian Conference on Tumor Ablation (ACTA 2021)** as a Faculty member, Direct member, Guideline Committee Chairperson and an invited speaker (RFA of papillary thyroid Microcarcinoma), **October 15-17, 2021 in Tokyo, Japan.**
203. Webinar: **The 3rd Asian Pacific International Symposium on Advanced Medical Ultrasound (APISAMU)** as an invited speaker for “RFA of recurrent thyroid cancers” Oct 16th 2021.
204. Webinar: **The 2021 World Congress on Thyroid Cancer (WCTC)**, as an invited speaker “RFA techniques for Benign Thyroid Nodules”. Oct 16, 2021.
205. Webinar (Starmed): RFA techniques of PTMC. Oct 23 2021.
206. Webinar (Austria): **2021 D-A-CH Kongress** as an invited speaker for “Thyroid RFA: Standard and advanced techniques for benign thyroid nodule”. Oct 29-30 2021.
207. Webinar (Hong Kong): Asian congress of surgery as an invited speaker for “RFA of recurrent thyroid cancers” Nov 5-6 2021.
208. **4th Congress of Asian Surgical Ultrasound Society (ASUS)** as an invited speaker for “Non-surgical management of PTMC: Long term follow up results” Nov 20-21 2021, Seoul, Korea.
209. Webinar (Taiwan): **International Head and Neck Imaging and Minimal Intervention Conference** as an invited speaker for “RFA of recurrent thyroid cancer” Nov 20-21 2021.
210. Webinar (Turkey): **9th Turkey Thyroid Diseases E-Congress** as an invited speaker for “RFA of malignant thyroid disease” Dec 03 2021.
211. Webinar (Starmed): RFA of pediatric patients. Dec 8 2021.
212. Webinar (China): RFA of recurrent thyroid cancers. Dec 19 2021.
213. Webinar (Italy): **Thyroid Nodule Therapies (TNT) Association** as an invited

speaker for “Thyroid RFA Patient Selection and Technique for Optimal Outcomes”.

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214. **The 53th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2022)** as an invited speaker for “RFA for recurrent thyroid cancer: anatomy-based approach”. May 12-13, 2022, Seoul, Korea.
215. **Webinar: APSCVIR** as an invited speaker for “Thyroid Radiofrequency Ablation: Standard and Advanced Techniques” June 4 2022, Kobe, Japan
216. **Webinar: 1st Five branches of Chang Gung Memorial Hospital Head/Neck & Thyroid Tumor Ablation Committee and Symposium** as an invited speaker for “RFA for recurrent thyroid cancer”, July 9, 2022, Taiwan
217. **Webinar: Point-of-Care Ultrasound (POCUS) Updates in the Head and Neck** as an invited speaker for “Ultrasound Guided Radiofrequency Ablation of Thyroid and Head and Neck Tumors” July 29 2022, Philippine.
218. **AOCR 2022 & KCR 2022 meeting** as an invited speaker (나는 영상의학과 의사로서 왜 그리고 어떻게 환자를 직접 보게 되었나?) and Chairperson (Asian Experts in Thyroid Imaging -KSThR Joint Symposium), Sep 20-24, 2022, Seoul, Korea
219. **The 8th Asian Conference on Tumor Ablation (ACTA 2022)** as a Chairperson, Direct member, and an invited speaker (RFA of benign thyroid nodules in children), October 21-23, 2022 in Seoul, Korea.
220. **Webinar: 2022 Ultrasound Forum of the China Society of Research Hospitals Summit** as an invited speaker for “Insights from the current high level of international evidence for thyroid ablation”. Sep 18 2022
221. **The 5th Congress of Asian Surgical Ultrasound Society (ASUS 2022)** as an invited speaker for Thermal ablation for small papillary thyroid cancer: A potential game changer. Oct 30 2022, Seoul, Korea
222. **Webinar: 22nd Chinese University of Hong Kong Surgical Symposium (CUHKSS)** as an invited speaker for “Radiofrequency ablation of benign and malignant thyroid conditions” Nov 12 2022
223. **Webinar: The 2022 World Congress on Thyroid Cancer (WCTC)**, as an invited speaker for “RF Ablation of Thyroid Nodules and Cancer”.

224. **Asia-Pacific Society of Thyroid Surgery (APTS)** as an invited speaker for “Updates on RFA for thyroid cancer” Nov 23-24 2022 Seoul, Korea
225. **Webinar: Center Open Conference (Multi-disciplinary diagnosis and treatment center for thyroid diseases) of The Third Affiliated Hospital of Sun-yat sen University**, as an invited speaker “RFA for Benign and malignant thyroid disease” Dec 3rd 2022, China
226. **Webinar: 2nd Five-branches of Chang Gung Memorial Hospital Head/Neck & Thyroid Tumor Ablation Committee and Symposium** as an invited speaker for “Recent advance of RFA on thyroid and neck” December 24, 2022, Chang Gung Memorial Hospital, Linko, Taiwan.
227. **MIO-Live 2023 (Mediterranean Interventional Oncology) Practical Approach To Interventional Oncology)** as a moderator at the session of MIOLIVE MEETS KSIR/KSITA, Jan 31 2023, Italy
228. **1st General Meeting of the Japan Academy of Tumor Ablation (JATA)** as an invited speaker for “current situation of thyroid RFA in Korea”, Feb 4 2023, Japan
229. **Annual meeting of Korean Thyroid Association**, as a moderator for “ATA Guideline of Radiofrequency Ablation” will be presented by Catherine F Sinclair (Monash Univ. AU), March 4-5, 2023, Gwang Ju, Korea.
230. **APSCVIR 2023 Annual Scientific Meeting** as a moderator for “Ablation beyond the liver” session, Apr 12-15, 2023, Seoul, South Korea
231. **Annual meeting of VSIR (Vietnam Society of Interventional Radiology)** as an invited speaker for “RFA of thyroid malignancy” April 21-22, Ninh Binh, Vietnam
232. **Thyroid Workshop**, as an invited speaker for “Recurrent thyroid cancers: US diagnosis and US-guided RFA” April 24, Hanoi, Vietnam
233. **The 54th Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2022)** as a chairperson and an invited speaker for “Technique to optimize RFA: hydrodissection”. May 11-13, 2023, Seoul, Korea.
234. **52nd Annual Meeting of the Japanese Society of Interventional Radiology** as an invited speaker for Symposium I “Thyroid Radiofrequency Ablation” May 18 – 20, 2023, Kochi, Japan.

235. **6th International Summit Forum on Thyroid Tumor Ablation** as an invited speaker for “RFA of recurrent thyroid cancers: techniques and clinical outcomes” to be held in Zhengzhou, Henan Province on June 11, 2023
236. **Point-of-Care Ultrasound in the Head and Neck Basics and Beyond** as an invited speaker for “ultrasound assessment of thyroid and neck tumors before and after radiofrequency and ethanol ablation” July 28, 2023
237. **AOCNR SGCR-WIRES 2023 (Asian - Oceanian Society of Neuroradiology and Head & Neck Radiology)** as an invited speaker for “5 educational lectures for thyroid ablation” at Pre-congress thyroid RFA workshop. August 17, 2023. Singapore
238. **AOCNR SGCR-WIRES 2023 (Asian - Oceanian Society of Neuroradiology and Head & Neck Radiology)** as an invited speaker for “Parathyroid ablation”. August 18, 2023. Singapore
239. **SingHealth ENT Head & Neck Instructional Course Fortnight 2023** as an invited speaker for “RFA of thyroid malignancies”. August 21, 2023. Singapore
240. **79th Korean Congress of Radiology (KCR 2023)**, as a chairperson for the “Special focus session: Active surveillance for thyroid cancer” Seoul, Korea from September 20 (Wed) to 23 (Sat), 2023, Seoul Korea
241. **5th Asia Pacific International Symposium on Advances in Medical Ultrasound (APISAMU) in conjunction with the 2023 Annual Convention of The Chinese Taipei Society of Ultrasound in Medicine (CTSUM)** as an invited speaker for “Inoperable Recurrent Thyroid Cancer: Role of RFA” October 14-15, 2023. (webinar)
242. **The 9th Asian Conference on Tumor Ablation (ACTA 2023)** as a Co-Chair and an invited speaker for “RFA for papillary thyroid micro-carcinoma” at Plenary Lecture, Oct. 20~22, 2023. Guangzhou, China.
243. **The 9th Asian Conference on Tumor Ablation (ACTA 2023)** as a Co-Chair and a panelist for “Ablation-centered combination therapy Panel Discussion” Oct. 20~22, 2023. Guangzhou, China.

244. **The 9th Asian Conference on Tumor Ablation (ACTA 2023)** as a Co-Chair and an invited speaker for “Conventional and innovative devices: thyroid RFA” at symposium, Oct. 20~22, 2023, Guangzhou, China.
245. **Non-surgical Interventions on Thyroid & Parathyroid Diseases: Thermal & Chemical Ablation** as a Co-Director and an invited speaker for 3 Lectures and Hands-on workshop, December 2 2023, Texas, USA
246. **Society of Interventional Radiology (SIR) Foundation**, as an invited speaker and expert multidisciplinary research consensus panel (RCP): “Role of Locoregional Therapies in the treatment of Thyroid Pathology: Shifting treatment paradigms” February 29th from 2-5 PM ET and Friday, March 1st from 3-5 PM ET, via Zoom.
247. **22nd Asian Oceanian Congress of Radiology (AOCR 2024)** as an invited speaker for “Long-term FU results of thyroid RFA” at thyroid RFA session, Mar 24 Taipei, Taiwan
248. **22nd Asian Oceanian Congress of Radiology (AOCR 2024)** as an invited speaker for “Thyroid and parathyroid gland anatomy” at thyroid hands-on session, Mar 24 Taipei, Taiwan.
249. **Thyroid RFA hands-on workshop** as an invited speaker for “Conventional and innovative devices for thyroid RFA” at thyroid hands-on session, Mar 25 Taipei, Taiwan.
250. **Thyroid Diagnostic and Interventional Course organized by the Society of Medical Ultrasonography, Türkiye** as an invited speaker for 3 lectures and demonstration of video clips for thyroid RFA, April 20-21 Ankara, Turkey.
251. **Thyroid Diagnostic and Interventional Course organized by the Society of Medical Ultrasonography, Türkiye** as an invited speaker for thyroid hands-on session, April 20-21 Ankara, Turkey.
252. **Thyroid Diagnostic and Interventional Course organized by the Society of Medical Ultrasonography, Türkiye** as an invited speaker for “Live demonstration of benign nodule treatment”, April 20-21 Ankara, Turkey.
253. **The AFSUMB 2024 (The Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology) and The Annual Congress of the**

- Korean Society of Ultrasound in Medicine (KSUM Open 2024)** as an invited speaker (Technical advances in Thyroid RFA: Benign to Malignancy), organizing committee member and a committee member of KSThR (Korean Society of Thyroid Radiology). May 9-11, 2024, Seoul, Korea
254. **The AFSUMB 2024 (The Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology) and The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2024)** as an invited speaker at Joint symposium with Vietnam (Case-based approach of RFA for recurrent thyroid cancer). May 9-11, 2024, Seoul, Korea
255. **The AFSUMB 2024 (The Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology) and The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2024)** as an invited speaker at Hands-on session (Technical aspect of thyroid RFA: how to start thyroid RFA and standard techniques). May 9-11, 2024, Seoul, Korea
256. **The AFSUMB 2024 (The Congress of the Asian Federation of Societies for Ultrasound in Medicine and Biology) and The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2024)** as an Chair at Session 6: Management for PTMC: AS to RFA. May 9-11, 2024, Seoul, Korea
257. **Webinar: POCUS Ultrasound and Thyroid Ablation Conference and Workshop** as an invited speaker for “RFA for well differentiated thyroid cancers”. Jul 18-18 2024. Philippine.
258. **Webinar: PanArab Society of Interventional Endocrinology and Diabetes Technology (PASID)** as an invited speaker for “20 Years of Thyroid RFA Experience: Past Achievements and Future Prospects”. 25-26th July 2024 Alexandria city. Egypt.
259. **MCTR in USA 2024** “The Master Course of Thyroid RF ablation” as a director and an invited speaker for ‘Introduction of MCTA’, ‘Live demonstration of thyroid and neck anatomy’, ‘Devices and techniques for thyroid RFA’ and ‘Case discussion’. 10th Aug, Chicago, USA
260. **International Thyroid Ablation Technology Training Class**, as an invited speaker for 20 Years of Thyroid RFA Experience: Past Achievements and Future Prospects. 14-15 Sep, 2024. Tianjin, China

261. **80th Korean Congress of Radiology (KCR 2024)**, as an invited speaker for “RFA for recurrent thyroid cancer in challenging locations” October 2-5, 2024, Seoul Korea
262. **80th Korean Congress of Radiology (KCR 2024)**, as an invited speaker for Luncheon session as an invited speaker for “Role of Microvascular Flow Imaging for RFA of Thyroid Tumors” October 2-5, 2024, Seoul Korea
263. **The 10th Asian Conference on Tumor Ablation (ACTA 2024)** as a faculty member and an operator for “Live demonstration of two cases for benign thyroid nodules”, Oct. 10-12, 2024. Bali, Indonesia.
264. **The 10th Asian Conference on Tumor Ablation (ACTA 2024)** as a faculty member and an invited speaker for “Combination therapy of recurrent thyroid cancers” at Plenary Lecture, Oct. 10-12, 2024. Bali, Indonesia.
265. **The 10th Asian Conference on Tumor Ablation (ACTA 2024)** as a Faculty member and an invited speaker for “Combination therapy of recurrent thyroid cancers” at Thyroid session, Oct. 10-12, 2024. Bali, Indonesia.
266. **(Web) International Anniversary Celebration Symposium** as an invited speaker for “Thermal ablation for benign and malignant thyroid nodules” OCT 10/26~27 2024, Taiwan
267. **Korea-China conference on thyroid RFA** as an invited speaker for “Recent update of thyroid RFA in Asan Medical Center” November 2nd 2024, Seoul, Korea
268. **The 7th Congress of Asian Surgical Ultrasound Society (ASUS 2024)** as an invited speaker for “Ultrasound-guided radiofrequency ablation of locally recurrent thyroid carcinoma”. November 16-17 2024, Seoul, Korea
269. **The Annual Congress of Japan Surgical Society (JSS 2025)** as an invited speaker for “Ultrasound-guided radiofrequency ablation for thyroid”. April 10-12 2025, Sendai, Japan
270. **The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2025)** as an invited speaker at Thyroid Hot session (Tips for effective and safe thyroid RFA). May 8-9, 2025, Seoul, Korea
271. **The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2025)** as Chair at Meet the professor (AI in thyroid). May 8-9, 2025, Seoul, Korea

272. **MCTR in Brazil 2025** “The Master Course of Thyroid RF ablation” as a honorary chair and an invited speaker for ‘Live demonstration of thyroid and neck anatomy’, ‘Regrowth at Long-term FU thyroid RFA’ and ‘RFA of recurrent thyroid cancers’. 17th June, Rio de Janeiro, Brazil
273. **17th International Thyroid Congress (ITC)** (<https://www.itc2025.com>) as an invited speaker at Meet the Expert session for Alternative Management of Malignant thyroid disease including minimal invasive treatments. June 18th to 22nd, 2025 Rio de Janeiro, Brazil.
274. **1st Thyroid Imaging and intervention training program in Russia** as an invited speaker. “Thyroid imaging and RFA for thyroid”, “Live demonstration of thyroid and neck anatomy” and “Live demonstration of RFA for patient with benign thyroid nodule”, 3rd-4th July, 2025. Sechenov university hospital, Moscow, Russia.
275. **2025 Annual Meeting of Ultrasonic Medicine of Guangdong Medical Association** as a Keynote speaker for "Research Status, Challenges, and Future Directions in Thyroid Ablation" in the expert lecture session on the morning of September 6^스 2025 in Guangzhou, China.
276. **81th Korean Congress of Radiology (KCR 2025)**, as an invited speaker for Special Focus Session (Beyond Treatment: Enhancing Safety, Efficacy, and Quality of Life in Thyroid RFA), “Technical Advances for Effective and Safe RFA” Sep. 24 ~ 27, Coex, Seoul, Korea
277. **The 11th Asian Conference on Tumor Ablation (ACTA 2025)** as a faculty member and an invited speaker for “23-year experience in thyroid RFA” at Honorary Lecture, Moderator at “Management for Papillary Thyroid Microcarcinoma: Active Surveillance to thermal ablation” session and an invited speaker for “Anatomy-based management of RFA for recurrent thyroid cancers: The most important thing for thyroid RFA” Oct. 25-27, 2025. Taipei, Taiwan.
278. **The 8th Congress of Asian Surgical Ultrasound Society (ASUS 2025)** as an invited speaker for “Technical tips of RFA for recurrent thyroid tumors” at Scientific Session 7: Thyroid & Neck Ultrasound November 22 Sat - 23 Sun, 2025, Gangnam Samjung Hotel, Seoul, Korea

■ *Forthcoming Guest Presentations, International*

1. **North American Society for Interventional Thyroidology (NASIT) 2026 Annual-Meeting** as an invited speaker for opening keynote address for “24-year experience in thyroid RFA: From the first case to worldwide Practice” March 6-7 2026, Portland, USA
2. **North American Society for Interventional Thyroidology (NASIT) 2026 Annual-Meeting** as an invited speaker for opening keynote address for "Clinical trial of RFA for PTMC in Asan Medical Center", March 6-7 2026, Portland, USA
3. **Asia Oceania Congress of Endocrinology (AOCE) 2026** as invited speaker for Plenary lecture of " The Efficacy and Safety of RFA for PTMC in Long-Term Cohort Study: Do above and beyond",
4. **Asia Oceania Congress of Endocrinology (AOCE) 2026** as invited speaker for “Standard and Advanced Technique for Thyroid RFA” in RFA workshop, March 20-22, 2026. Taipei, Taiwan.
5. **PanArab Society of Interventional Endocrinology and Diabetes Technology (PASID) 2026**. Alexandria, Egypt, from April 29 to May 1, 2026.
6. **The Annual Congress of the Korean Society of Ultrasound in Medicine (KSUM Open 2026)** as an invited speaker at the session of “Complications in Thyroid Thermal Ablation: Mechanisms, Prevention, and Management” for “Nerve Injury and Recovery in Thyroid RFA: From Mechanism to Practice”, May 7-8 2026, Coex, Seoul, Korea.
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