

Jae Young Lee, MD and PhD.

**PRESENT TITLE & AFFILIATION:**

Vice-president, Medical Research Center  
Professor, Department of Radiology  
Seoul National University, College of Medicine  
Seoul National University Hospital (SNUH)



**BIRTH DATE & PLACE:** November 26, 1967, Korea

**OFFICE ADDRESS & TELEPHONE:**

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**EDUCATION**

1. UNDERGRADUATE

A.College of Liberal Arts and Science, Seoul National University  
✧ (March 1986-February 1988)

2. GRADUATE

A.College of Medicine - M.D. Seoul National University  
✧ (March 1988 - February 1992)

B.Graduate School - M.S. Seoul National University  
✧ (March 1995 - February 1997)

C.Graduate School - Ph.D. Seoul National University  
✧ (March 2002 – August 2009)

3. POSTGRDUATE

A.Rotating Internship, Seoul National University Hospital, Seoul  
✧ (March 1992 - February 1993)

B.Radiology Residency, Seoul National University Hospital, Seoul  
✧ (March 1993 - February 1997)

C.Radiology Fellowship, Seoul National University Hospital, Seoul  
✧ (April 2000 – February 2001)

**ACADEMIC & PROFESSIONAL APPOINTMENTS:**

1. Professor of Radiology (Tenure), Seoul National University College of Medicine (Mar, 2016-)
2. Associate Dean, Research Affairs, Seoul National University College of Medicine (2018-2021)

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## *Curriculum Vitae of Honorary Guest Speakers*

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3. Vice president, Medical Research Center, Seoul National University (2018 ~2022)
4. Head, Seoul National University R&D Yongon Institute (2020 Jan.-2022 Jan.)
5. President, Medical Research Center, Seoul National University (2022 ~2023)
6. Chief Medical Innovation Officer, Seoul National University Hospital (2013 - )

### **SERVICES**

1. Head of QA(Quality Assurance) center of SNUH (June, 2012 -2016)
2. Running Ultrasound Teaching Program for Low Developed Countries. (Supported by JW Lee Center for Global Medicine of Seoul National University College of Medicine).
  - 1st Vietnam visit for education (Dec, 7 to Dec 10, 2013)
  - 2nd Vietnam visit for education (Dec 19 to Dec 21, 2014)
  - 3rd Vietnam visit support for education (Aug, 28-29, 2015)
3. Korean Society of Ultrasound in Medicine
  - Chair of International liaison committee (2009-2016).
  - Chair of Academic committee (2016-2019)
  - Chair of General Affairs (2019- 2022)
  - Chair of Planning committee (2022 - )
4. Asian Federation for Ultrasound in Medicine and Biology
  - As a Councilor (2010-2012)
  - As a Treasurer (2012-2014)
  - As a Secretary General (2014-2016)
  - As a Vice-president 1 & 2 (2016- 2020)
  - As a Councilor (2020 -)
  - As a Vice-presidnt 1 (2022 -)
5. Korean Society for Therapeutic Ultrasound (KSTU)
  - Vice president (2015-2019)
  - Chief Vice president (2019 -2022)
  - President (2023-)
6. PI of Abdominal Ultrasound Power-Up Program among 2015 Public Health Medical Personnel Education Program (supported by National Medical Center)
  - 1st education: July 6 to 10, 2015
  - 2nd education: Sep 14 to 18, 2015
  - 3rd education: Sep 21 to 25, 2015
  - 4th education: Oct 12 to 16, 2015
  - 5th education: Nov 9 to 13, 2015
7. Korean Society for Quality in Health Care
  - As a Secretary General (2016-2018)
8. International Society of Therapeutic Ultrasound 2021 Annual Congress
  - As organizing committee chair

### **AWARDS**

#### International

1. Young Investigator Award
  - ◇ 45<sup>th</sup> Annual Convention of American Institute of Ultrasound in Medicine, Orlando, March 11 -14, 2001, for presentation of the paper entitled, “ Improved Imaging of Hepatic Hemangioma with Contrast-Enhanced Coded Harmonic Angiography: Assessment of MRI”
2. Winner the 2nd US contrast Outstanding Poster Award

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## *Curriculum Vitae of Honorary Guest Speakers*

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- ◇ 2nd international Kyoto Symposium on Ultrasound Contrast Imaging, Kyoto, Japan, October 28-29, 2000, for exhibition of the paper entitled, “ Vascularity of hepatocellular carcinoma: Assesment with contrast-enhanced coded harmonic angiography of US versus harmonic power Doppler US”
- 3. Certificate of Merit Award
  - ◇ 103rd Annual meeting of ARRS, San Diego, May 4-9, 2003, for exhibition of the paper entitled, “Diverse pitfalls that radiologists must know on interpretation of abdominal CT images”
- 4. Cum Laude (as a coauthor)
  - ◇ 88th Scientific assembly and Annual meeting of the RSNA, December 1-6, 2002, for exhibition of the paper entitled “ Right colonic diverticulitis: high-resolution sonographic findings”

### **National**

1. Gold Medal Award for outstanding scientific exhibition,
  - ◇ Autumn convention, Korean Society of Medical Ultrasound (November 1996)
2. Silver Medal Award for outstanding scientific exhibition,
  - ◇ 57th annual convention, Korean Radiological Society (October 2001)
3. Young Investigator Award
  - ◇ 35th Annual convention, Korean Society of Medical Ultrasound (May 2004)
4. International Publication Award
  - ◇ 34th Annual convention, Korean Society of Medical Ultrasound (May 2003)
5. The Minister of Health and Welfare award
  - ◇ The 7th anniversary of the establishment of Korea Institute for Healthcare Accreditation (Oct. 25, 2017)
6. 2022 Seoul National University College of Medicine Research Achievement Award (Nov. 2022)

### **MEMBERSHIP**

#### **International**

1. World Federation for Ultrasound in Medicine and Biology (2004- )
1. Asian Federation for Ultrasound in Medicine and Biology (2010-).
2. RSNA member (2006-)
3. ESR member (2006-)

#### **National**

1. Korean Radiological Society (1997- )
2. Korean Society of Ultrasound in Medicine (2000- )
3. Korean Society of Gastroenterology (2000- )
4. Korean Society for Therapeutic Ultrasound (2014-)
5. Korean Society for Quality in Health Care (2014 -)

### **Editorial Board**

1. Ultrasound in Medicine and Biology (Jan. 2019- Dec. 2020)

### **Editorial office Reviewers**

1. European Radiology (2010-)
2. Abdominal imaging (2012-)
3. Korean journal of Radiology (2012-)
4. Ultrasound in Medicine and Biology (2011-)

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## *Curriculum Vitae of Honorary Guest Speakers*

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5. European Journal of Ultrasound (2014-)

### **ACADEMIC TUTORING**

1. Eun Sun Lee, MD (2011-2013) for a degree of **doctor** in medicine.
  - ✓ The title of thesis for a doctorate: Pulsed High-Intensity Focused Ultrasound Enhances Apoptosis of Pancreatic Cancer Xenograft with Gemcitabine
7. Kyoung Mi Kang (2012-2014) for a degree of **master** in medicine
  - ✓ The title of thesis for a master: Gel phantom study with HIFU: influence of metallic stent containing either air or fluid
8. Hee Dong Chae (2013-2015) for a degree of **master** in medicine
  - ✓ The title of thesis for a master: Photoacoustic imaging for the differential diagnosis of cholesterol polyps from adenoma in the gallbladder
9. Mi Hye Yu (2013-2016) for a degree of **doctor** in medicine.
  - ✓ The title of thesis for a doctorate: HIFU combined with chemotherapy and microbubbles in pancreatic xenograft model
10. Kyoung Duk Cho (2014-2015) for a degree of **master** in medical science
  - ✧ The title of thesis for a master: Imaging findings of Liver Sparganosis
11. Sung Mi Jeon (2014-2015) for a degree of **master** in medical science
  - ✧ The title of thesis for a master: Traumatic neuroma after rectal cancer surgery
12. Dong Ho Lee (2015-2017) for a degree of **doctor** in medicine
  - ✧ The title of thesis for a doctorate: Evaluation of Hepatic Steatosis Using Acoustic Structure Quantification Ultrasound in a Rat Model: Comparison with Pathology and MR Spectroscopy
13. Hyo Jin Kang (2016-2021) for a degree of **doctor** in medicine
  - ✧ The title of thesis for a doctorate: Synergistic Effects of Pulsed Focused Ultrasound and a Doxorubicin-Loaded Microparticle-Microbubble Complex in a Pancreatic Cancer Xenograft Mouse Model
14. Jae Suk Bae (2017-2020) for a degree of **doctor** in medicine
  - ✧ Quantitative evaluation of hepatic steatosis using Normalized Local Variance in a rat model using histopathology as a reference standard

### **NATIONAL RESEARCH GRANTS and GLOBAL RESEARCH GRANTS (updated up to 2016)**

1. From Government: 9 since 2007
  - A. Evaluation of interaction between microbubbles, anticancer drug, and high intensity focused ultrasound in animal model for treating pancreatic cancer and drug-resistant pancreatic cancer (3 years)
  - B. Development of an Ultrasound Guided HIFU Treatment System (3 years)
  - C. Development of a portable ultrasound system for field practice (3 years)
  - D. Development of High performance abdominal Ultrasound System with 1.5D Array probe (3 years)
  - E. Diffusion imaging as a biomarker for the prediction of chemotherapeutic response in patients with rectal cancer (3 years)
  - F. Development of functional ultrasound imaging diagnosis system- multiharmonic imaging (5 years)
  - G. Development of functional ultrasound imaging diagnosis system -tissue elastography (5 years)
  - H. In vivo experiment and optimization of HIFU (2 years)
  - I. Universal ultrasonic diagnostic system development to support a dedicated urology and

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coloproctology (June, 2015 - , 3 years)

2. From Global Clinical Randomized trial: 3 since 2007

A.Phase III Heat study of ThermoDox. (2007-2012)

B.OPTIMA heat study (2014-)

C.A phase 3 multicentre, randomised, comparative study of the efficacy and safety of the ultrasound contrast agents Sonazoid and SonoVue in subjects with focal liver lesions undergoing pre- and post-contrast ultrasound imaging (2012-2014)

3. From Our Hospital: 5 since 2005

4. From Seoul National University College of Medicine: 2 since 2015

A.Basic and Clinic Collaboration Research Fund (2015-2016)

B.Multidisciplinary research group for evaluating therapeutic effects of FUS and developing FUS medical treatment system (2015-2016)

5. From industry:4 (Tae-Joon, Toshiba, Alpinion, GE (SCAN Trial)

### **Scientific Paper Publication (updated up to June 2024)**

- SCI First Author :13
- SCI Corresponding Author: 44
- SCI Coauthor: 142

### **Scientific Oral Presentations (updated up to 2019)**

@ International Scientific Meeting: 48

### **Invited Lectures (updated up to 2019)**

@ International Scientific Meeting: 43