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CLINICAL OFFICE (PRIMARY)

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CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Radiology

PROFESSIONAL EDUCATION

- Fellowship, Brigham & Women's Hospital (2025)
- Residency: Seoul National University (2019)
- Internship: Seoul National University (2015)
- Medical Education: Seoul National University School of Medicine (2014) South Korea

Publications

PUBLICATIONS

- **Temperature Setting of a Multimodal Generative Artificial Intelligence (AI) Model: Association With Accuracy and Quality of AI-Generated Chest Radiograph Reports.** *AJR. American journal of roentgenology*
Hong, E. K., Lee, S., Song, O., Leung, A., Hammer, M., Suh, C. H.
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- **Multimodal Generative Artificial Intelligence Model for Creating Radiology Reports for Chest Radiographs in Patients Undergoing Tuberculosis Screening.** *AJR. American journal of roentgenology*
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- **Diagnostic Accuracy and Clinical Value of a Domain-specific Multimodal Generative AI Model for Chest Radiograph Report Generation.** *Radiology*
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- **Value of Using a Generative AI Model in Chest Radiography Reporting: A Reader Study.** *Radiology*
Hong, E. K., Roh, B., Park, B., Jo, J. B., Bae, W., Soung Park, J., Sung, D. W.
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- **Quality over quantity: biopsy-anchored CT radiogenomics models outperform all-lesion training in a multi-tumour cohort despite a smaller sample size.** *European radiology*
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- **Tumor morphology on CT radiomics is largely driven by the local anatomical environment, not the primary tumor type.** *European radiology experimental*
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- **Generative Artificial Intelligence Models for Chest Radiograph Interpretation: Comparison of a General-Purpose Model, Domain-Specific Model, and Two Agentic Models.** *AJR. American journal of roentgenology*
Hong, E. K., Song, O., O'Riordan, K., Lee, S., Yoon, S., Lee, S.
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- **Artificial Intelligence-Assisted Diagnosis of Pulmonary Nodules in Lung Cancer Screening: Counterpoint-False Positives, Workflow Disruption, and the Enduring Role of Radiologists.** *AJR. American journal of roentgenology*
Hong, E. K., Leung, A.
2026
- **Concurrent driver mutations induce distinct tumour morphologies on radiological imaging.** *European journal of radiology*
Rodríguez Sánchez, D. I., Vanneste, T., Middelkoop, J., Maxouri, O., Rostami, S., Ursprung, S., Boveradze, N., Chupetlovska, K., Castagnoli, F., Landolfi, F., Hong, E. K., Pizzi, A. D., Gennaro, et al
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- **Clinical Training As the Foundation for Responsible Artificial Intelligence Use in Radiology: A Perspective From Industry to Fellowship.** *AJR. American journal of roentgenology*
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- **CXR-CLIP: Toward Large Scale Chest X-ray Language-Image Pre-training**
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- **Colon cancer CT staging according to mismatch repair status: Comparison and suggestion of imaging features for high-risk colon cancer** *EUROPEAN JOURNAL OF CANCER*
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- **Identifying high-risk colon cancer on CT an a radiomics signature improve radiologist's performance for T staging?** *ABDOMINAL RADIOLOGY*
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- **CT for lymph node staging of Colon cancer: not only size but also location and number of lymph node count** *ABDOMINAL RADIOLOGY*
Hong, E., Landolfi, F., Castagnoli, F., Park, S., Boot, J., Van den Berg, J., Lee, J., Beets-Tan, R.
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- **Comparison of Genetic Profiles and Prognosis of High-Grade Gliomas Using Quantitative and Qualitative MRI Features: A Focus on G3 Gliomas** *KOREAN JOURNAL OF RADIOLOGY*
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- **Prognostic Value of Dynamic Contrast-Enhanced MRI-Derived Pharmacokinetic Variables in Glioblastoma Patients: Analysis of Contrast-Enhancing Lesions and Non-Enhancing T2 High-Signal Intensity Lesions** *KOREAN JOURNAL OF RADIOLOGY*
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- **Deep Learning for Chest Radiograph Diagnosis in the Emergency Department** *RADIOLOGY*
Hwang, E., Nam, J., Lim, W., Park, S., Jeong, Y., Kang, J., Hong, E., Kim, T., Goo, J., Park, S., Kim, K., Park, C.
2019; 293 (3): 573-580
- **Diagnostic value of computed tomography combined with ultrasonography in detecting cervical recurrence in patients with thyroid cancer** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
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- **Radiogenomics correlation between MR imaging features and major genetic profiles in glioblastoma** *EUROPEAN RADIOLOGY*
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- **Accurate measurements of liver stiffness using shear wave elastography in children and young adults and the role of the stability index** *ULTRASONOGRAPHY*
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