

Pathologic Signs of Thoracic Ultrasound



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Organization Seoul National University, Bundang Hospital, Division of Pulmonary and Critical Care Medicine
Current Position Professor

Educational background

2011-2018 Ph.D., Seoul National University College of Medicine
2007-2011 M.P.H., Seoul National University Graduate School of Public Health
1996-2002 M.D., Seoul National University College of Medicine

Professional experience

2020-Present Professor, Seoul National University Bundang Hospital
2015-2020 Associate Professor, Seoul National University Bundang Hospital
2011-2015 Assistant Professor, Seoul National University Bundang Hospital
2010-2011 Fellowship, Pulmonary and Critical Care Medicine Seoul National University Hospital
2002-2007 Intern & Resident, Internal Medicine Seoul National University Hospital

Research interests

Lung Ultrasound & Imaging in Critical Care
Human Lung Organoids & Stem Cell Models
Transcriptomic & Molecular Analysis of Airway Epithelium
Clinical Trials in Mechanical Ventilation & Pneumonia

Publications

Yang et al. Understanding of Patients with Severe COVID-19 Using Lung Ultrasound. *Tuberc Respir Dis* 2025;88 (2)
Kim et al. Transcriptomic Analysis of Air-Liquid Interface Culture in Human Lung Organoids Reveals Regulators of Epithelial Differentiation. *Cells* 2024;13 (23)
Joo et al. Clinical Efficacy and Safety of an Automatic Closed-Suction System in Mechanically Ventilated Patients with Pneumonia: A Multicenter, Prospective, Randomized, Non-Inferiority, Investigator-Initiated Trial. *Diagnostics (Basel)* 2024;14 (11)
Lim et al. Guidelines for Manufacturing and Application of Organoids: Lung. *Int J Stem Cells* 2024; 17 (2)