

Curriculum Vitae

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Current Position (Mar/2020-)

Clinical Professor

Head, Division of Pulmonary and Critical Care Medicine,

Department of Internal Medicine, Seoul National University College of Medicine

Seoul National University Bundang Hospital

Education

1. 1993-1996: Busan Science High School
2. 1996-2002: M.D., Seoul National University College of Medicine
3. 2006-2011: M.P.H., Seoul National University, Graduate School of Public Health
4. 2011-2018: Ph.D., Seoul National University College of Medicine

Medical Training

1. 2002-2003: Intern, Seoul National University Hospital, Seoul, South Korea
2. 2003-2007: Resident, Seoul National University Hospital (Internal Medicine)
3. 2010-2011: Fellow (clinical and research), Seoul National University Hospital, (Pulmonary and Critical Care Medicine)

Career

(In hospital)

1. 2006-2007: Chief of Intern and Resident Association, Seoul National University Hospital
2. **2006.9 (1 month): Clinical observer at Pulmonary and Critical Care Medicine, UC Irvine Medical Center, CA, USA (Mentor: Prof. Henri G. Colt)**
3. 2007-2010: Chief of Pulmonology, Internal Medicine, Kangnam Hospital, Chuncheon, Kangwon-do, South Korea (as public health doctor for national military duty)
4. 2011.3-2015.3: Assistant professor, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital
5. 2015.4-2020.2: Associate professor, Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital
6. **2015.8-2016.7: Visiting scholar, Department of Bioengineering, University of Pennsylvania, USA (Prof. Dan Dongeun Huh's Lab, <http://www.seas.upenn.edu/~biolines/>)**

(Out of hospital)

1. 2012.3-2015.8: Member of the training committee, Korean Society of Critical Care Medicine
2. **2015.1- : Member of the academic and publication committee, Korean Association of Tuberculosis and Respiratory Diseases (current)**
3. 2015.1-2015.7: Member of the academic committee, Korean Society of Parenteral and Enteral Nutrition
4. 2016.1-2016.7: Member of the publication committee, Korean Society of Emergency and Critical Care Imaging
5. 2016.8-2022.4: Member of the insurance committee, Korean Society of Critical Care Medicine
6. **2022.4- : Director of the Scientific Board, Korean Society of Critical Care Medicine (current)**

Awards

1. Best Resident of the Year, Department of Internal Medicine, Seoul National University Hospital, Dec 2006
2. Best article in Year, the Korean Society of Parenteral and Enteral Nutrition. 2016 (corresponding author)
3. Best academic paper in Year, the Korean Society of Critical Care Medicine, 2016. (corresponding author)
4. Young Intensivist Award, the Korean Society of Critical Care Medicine, 2019
5. Best academic paper in Year, the Korean Association of Internal Medicine, 2021 (the first author)

Research Experience and Grants

1. Anti-inflammatory effect of Arginine-Vasopressin(AVP) on the LPS-induced I κ B α /NF- κ B cascade. 2011-2013.
Seoul National University Bundang Hospital research program.
2. Aerosolized vancomycin for MRSA pneumonia requiring mechanical ventilation. 2012.7-
Seoul National University Bundang Hospital research program.
3. Effect of dexmedetomidine vs. midazolam on sleep hygiene in critically ill patients. 2013.7-
Seoul National University Bundang Hospital research program.
4. Anti-inflammatory effect of GV-1001 in murine acute lung injury model. 2013.8-
Kael-Gemvax research fund
5. The Registry of Acute Respiratory Distress Syndrome. 2014.2-
Designate donation fund of Pulmonary and Critical care medicine
6. A Phase 2b, Randomized, Double-blind, Placebo-controlled, Multi-center Study Evaluating Antiviral Effects, Pharmacokinetics, Safety, and Tolerability of GS-5806 in Hospitalized Adults with Respiratory Syncytial Virus (RSV) Infection. 2014.9.1 - (SIT, Site-PI)
7. A Prospective, Randomized, Double-blind, Multicenter, Phase 3 Study To Assess the Safety and Efficacy of Intravenous Ceftolozane/Tazobactam Compared With Meropenem in Adult Patients with Ventilated Nosocomial Pneumonia. 2014.9- (SIT, Site-PI)
8. Cumulative total radiation dose of patients in intensive care unit: A prospective observational study. 2014.08-
9. Bioinspired Lung-on-a-chip based Exploration for Clinical Efficacy of New Therapeutic Candidate for Acute Lung Injury. 2016.7- Supported by a grant of the Korea Health Technology R&D Project through the Korea Health Industry Development Institute(KHIDI) annual \$70,000 for 3 years
10. Lung-on-a-chip for research metastatic lung cancer. 2017.3- Supported by a grant of the National Research Foundation of Korea annual \$45,000 for 3 years
11. New medical device assessment test program. 2019.3 Supported by a grant of the Korea Health Technology R&D Project through the Korea Health Industry Development Institute(KHIDI) annual \$60,000 for 1 years

Selected journal publication (only the first and corresponding author)

1. **Cho YJ**, Murgu SD, Colt HG. Bronchoscopy for bevacizumab-related hemoptysis, Lung cancer, 2007
2. **Cho YJ**, Lee SM, Yoo CG, Kim YW, Han SK, Shim YS, Yim JJ. Clinical characteristics of tuberculosis in patients with liver cirrhosis, Respirology, 2007
3. **Cho YJ**, Jung BK, Ahn JS. A Comparative study of Nursing Home-Acquired pneumonia with Community-Acquired Pneumonia, Tuberc Respir Dis, 2011
4. **Cho YJ**. Percutaneous Dilatational Tracheostomy, Tuberc Respir Dis, 2012.
5. **Cho YJ**, Lim HJ, Park JS, Lee JH, Lee CT, Yoon HI. Measurement of fractional exhaled nitric oxide in stable bronchiectasis, Tuberc Respir Dis, 2013
6. Lee JM, Bae W, Lee YJ, **Cho YJ**. The efficacy and safety of prone positional ventilation in acute respiratory distress syndrome: updated study-level meta-analysis of 11 randomized controlled trials, Crit Care Med, 2014
7. Kim HS, Lee ES, **Cho YJ**. Insufficient Serum Levels of Antituberculosis Agents During Venovenous Extracorporeal Membrane Oxygenation Therapy for Acute Respiratory Distress Syndrome in a Patient With Miliary Tuberculosis. ASAIO J, 2014.
8. Lee YJ, Park JJ, Yoon Y, Kim JW, Park JS, Kim T, Lee JH, Suh JW, Jo YH, Park S, Kim K, **Cho YJ**. Successful Implementation of a Rapid Response System in the Department of Internal Medicine. Korean J Crit Care Med, 2014.
9. Kim SJ, Park J, Lee YJ, Park JS, Yoon HI, Lee JH, Lee CT, **Cho YJ**. The Optimal Dose of Midazolam for Promoting Sleep in Critically Ill Patients: A Pilot Study. Korean J Crit Care Med, 2014.
10. Nam SJ, Park JY, Lee H, Lee T, Lee YJ, Park JS, Yoon HI, Lee JH, Lee CT, **Cho YJ**. Percutaneous Dilatational Tracheostomy in Critically Ill Patients Taking Antiplatelet Agents. Korean J Crit Care Med, 2014.
11. Jo YS, Lee YJ, Park JS, Yoon HI, Lee JH, Lee CT, **Cho YJ**. Readmission to the medical intensive care unit: Risk factors and prediction. Yonsei Med J, 2015.
12. Lee YJ, Kim DJ, Kim JS, Lee JH, Lee CT, Jheon S, **Cho YJ**. Experience and Results with VV-ECMO for Severe Acute Respiratory Failure: Weaning Versus Nonweaning. ASAIO J, 2015.
13. Lee HW, Min J, Park J, Lee YJ, Kim SJ, Park JS, Yoon HI, Lee JH, Lee CT, **Cho YJ**. Clinical impact of early bronchoscopy in mechanically ventilated patients with aspiration pneumonia. Respirology, 2015.

14. Lee H, Park JY, Lee T, Lee YJ, Lim HJ, Park JS, Yoon HI, Lee JH, Lee CT, Cho YJ. Intermediate risk of multidrug-resistant organisms in patients who admitted intensive care unit with healthcare-associated pneumonia. Korean J Intern Med 2016
15. Nam SJ, Cho YJ. The successful treatment of refractory respiratory failure due to miliary tuberculosis: survival after prolonged extracorporeal membrane oxygenation support. Clin Respir J. 2016 May;10(3):393-9.
16. Park J, Lee JM, Lee JS, Cho YJ. Pharmacological and Mechanical Thromboprophylaxis in Critically Ill Patients: a Network Meta-Analysis of 12 Trials. J Korean Med Sci. 2016 Nov;31(11):1828-1837.
17. Cho YJ, Moon JY, Shin ES, Kim JH, Jung H, Park SY, Kim HC, Sim YS, Rhee CK, Lim J, Lee SJ, Lee WY, Lee HJ, Kwak SH, Kang EK, Chung KS, Choi WI. Clinical Practice Guideline of Acute Respiratory Distress Syndrome. Tuberc Respir Dis, 2016.
18. Cho JY, Kim Y, Lee SH, Lee YJ, Park JS, Yoon HI, Yim JJ, Lee JH, Lee CT, Cho YJ. Bronchoscopic Improvement of Tracheobronchitis Due to Methicillin-Resistant Staphylococcus aureus After Aerosolized Vancomycin: A Case Series. J Aerosol Med Pulm Drug Deliv. 2018 Mar 27.
19. Kim ES, Lee H, Kim SJ, Park J, Lee YJ, Park JS, Yoon HI, Lee JH, Lee CT, Cho YJ. Effectiveness of high-flow nasal cannula oxygen therapy for acute respiratory failure with hypercapnia. J Thorac Dis. 2018 Feb;10(2):882-888.
20. Lim SY, Kwack WG, Kim Y, Lee YJ, Park JS, Yoon HI, Lee JH, Lee CT, Cho YJ. Comparison of outcomes between vertical and transverse skin incisions in percutaneous tracheostomy for critically ill patients: a retrospective cohort study. Crit Care. 2018 Sep 30;22(1):246.
21. Kwack WG, Yun M, Lee DS, Min H, Choi YY, Lim SY, Kim Y, Lee SH, Lee YJ, Park JS, Cho YJ. Effectiveness of intrahospital transportation of mechanically ventilated patients in medical intensive care unit by the rapid response team: A cohort study. Medicine (Baltimore). 2018 Nov;97(48):e13490.
22. Song JH, Kim S, Lee HW, Lee YJ, Kim MJ, Park JS, Kim YJ, Yoon HI, Lee JH, Lee JS, Lee CT, Cho YJ. Effect of intensivist involvement on clinical outcomes in patients with advanced lung cancer admitted to the intensive care unit. PLoS One. 2019 Feb 13;14(2):e0210951.
23. Cho JY, Kim HS, Yang HJ, Lee YJ, Park JS, Yoon HI, Kim HB, Yim JJ, Lee JH, Lee CT, Cho YJ. Pilot Study of Aerosolised Plus Intravenous Vancomycin in Mechanically Ventilated

- Patients with Methicillin-Resistant Staphylococcus Aureus Pneumonia. J Clin Med. 2020 Feb 9;9(2):476. doi: 10.3390/jcm9020476.
24. Lee HW, Ji E, Ahn S, Yang HJ, Yoon SY, Park TY, Lee YJ, Lee J, Lee SM, Choi SH, **Cho YJ**. A population-based observational study of patients with pulmonary disorders in intensive care unit. Korean J Intern Med. 2019 Nov 25. doi: 10.3904/kjim.2018.449. Online ahead of print.
 25. Khalid, MAU Kim YS, Ali MLee BG, **Cho YJ**, Choi KH. A lung cancer-on-chip platform with integrated biosensors for physiological monitoring and toxicity assessment. Biochemical Engineering Journal. 2020 Mar 155: 107469.
 26. Jeong HG, Lee Y, Song KH, Hwang IC, Kim ES, **Cho YJ**. Therapeutic Temperature Modulation for a Critically Ill Patient with COVID-19. J Korean Med Sci. 2020 Jun 8;35(22):e210. doi: 10.3346/jkms.2020.35.e210.
 27. Lim SY, Ahn S, Hong SB, Chung CR, Jeon K, Lee SM, Cho WH, Park S, **Cho YJ**. Clinical outcomes according to cannula configurations in patients with acute respiratory distress syndrome under veno-venous extracorporeal membrane oxygenation: a Korean multicenter study. Ann Intensive Care. 2020 Jun 22;10(1):86. doi: 10.1186/s13613-020-00700-9.
 28. Lee HW, **Cho YJ**. The Impact of Mechanical Ventilation Duration on the Readmission to Intensive Care Unit: A Population-Based Observational Study. Tuberc Respir Dis (Seoul). 2020 Oct;83(4):303-311. doi: 10.4046/trd.2020.0024. Epub 2020 Aug 21.
 29. Lim SY, **Cho YJ**, Kim DJ, Kim JS, Jheon S, Chung JH, Lee JH. Effects of Ultralow-Tidal-Volume Ventilation under Veno-Venous Extracorporeal Membrane Oxygenation in a Porcine Model with Ventilator-Induced Lung Injury. Membranes (Basel). 2020 Nov 28;10(12):379. doi: 10.3390/membranes10120379.
 30. Kwack WG, Lee YJ, Eo EY, Chung JH, Lee JH, **Cho YJ**. Simultaneous Pretreatment of Aspirin and Omega-3 Fatty Acid Attenuates Nuclear Factor- κ B Activation in a Murine Model with Ventilator-Induced Lung Injury. Nutrients. 2021 Jun 30;13(7):2258. doi: 10.3390/nu13072258.
 31. Song MJ, Kim S, Boo D, Park C, Yoo S, Yoon HI, **Cho YJ**. Comparison of proton pump inhibitors and histamine 2 receptor antagonists for stress ulcer prophylaxis in the intensive care unit. Sci Rep. 2021 Sep 16;11(1):18467. doi: 10.1038/s41598-021-98069-7.
 32. Jang HJ, Choi JY, Kim K, Yong SH, Kim YW, Kim SY, Kim EY, Jung JY, Kang YA, Park MS, Kim YS, **Cho YJ**, Lee SH. Relationship of the lung microbiome with PD-L1 expression and immunotherapy response in lung cancer. Respir Res. 2021 Dec 28;22(1):322. doi: 10.1186/s12931-021-01919-1.

33. Lee HW, Kang SC, Kim SY, **Cho YJ**, Hwang S. Long-term Exposure to PM10 Increases Lung Cancer Risks: A Cohort Analysis. Cancer Res Treat. 2022 Oct;54(4):1030-1037. doi: 10.4143/crt.2021.1030. Epub 2022 Jan 17.
34. **Cho YJ**, Song KH, Lee Y, Yoon JH, Park JY, Jung J, Lim SY, Lee H, Yoon HI, Park KU, Kim HB, Kim ES. Lung ultrasound for early diagnosis and severity assessment of pneumonia in patients with coronavirus disease 2019. Korean J Intern Med. 2022 May;37(3):699. doi: 10.3904/kjim.2020.180.e1. Epub 2022 Apr 28.
35. Park H, Lim SY, Kim S, Kim HS, Kim S, Yoon HI, **Cho YJ**. Effect of a nutritional support protocol on enteral nutrition and clinical outcomes of critically ill patients: a retrospective cohort study. Acute Crit Care. 2022 Aug;37(3):382-390. doi: 10.4266/acc.2022.00220. Epub 2022 Jul 19.