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Professional Appointments

Mar 2021 – Present	Assistant Professor Department of Medicine, Sungkyunkwan University School of Medicine
Mar 2020 – Present	Assistant Professor Division of Infectious Diseases, Samsung Medical Center
Mar 2018 – Feb 2020	Clinical Instructor Division of Infectious Diseases, Samsung Medical Center
May 2017 – Feb 2018	Clinical Fellow Division of Infectious Diseases, Samsung Medical Center
Apr 2014 – Apr 2017	Medical officer (Captain, Republic of Korea Army) Division of Infectious Diseases <i>and</i> Office of Infection Control, Armed Forces Capital Hospital, Armed Forces Medical Command

Education

Mar 2013 – Feb 2014	Clinical fellow in Infectious Diseases, Samsung Medical Center
Mar 2009 – Feb 2013	Resident in Internal Medicine, Samsung Medical Center
Mar 2008 – Feb 2009	Intern, Samsung Medical Center
Mar 2006 – Feb 2008	M.Sc. in Medicine, Sungkyunkwan University School of Medicine
Mar 2000 – Feb 2006	M.D., Sungkyunkwan University School of Medicine

Licensure and Certifications

2006	Medical License, Republic of Korea
2013	Board Certification in Internal Medicine, Republic of Korea
2016	Board Certification in Infectious Diseases, Republic of Korea

Publications

Original research (as the first or corresponding author)

Decrease in hospital admissions for respiratory diseases during the COVID-19 pandemic: a nationwide claims study

Huh K, Kim YE, Ji W, Kim DW, Lee E-J, Kim J-H, Kang J-M, Jung J.

Thorax. 2021;76(9):939-941. doi:10.1136/thoraxjnl-2020-216526

Difference in the Clinical Outcome of Bloodstream Infections Caused by *Klebsiella aerogenes* and *Enterobacter cloacae* Complex

Jeon M, **Huh K**, Ko JH, Cho SY, Huh HJ, Lee NY, Kang CI, Chung DR, Peck KR.

Open Forum Infect Dis. 2021 Jul 20;8(8):ofab390. doi: 10.1093/ofid/ofab390.

Predicted and Observed Incidence of Thromboembolic Events among Koreans Vaccinated with ChAdOx1 nCoV-19 Vaccine.

Huh K, Na Y, Kim YE, Radnaabaatar M, Peck KR, Jung J.

J Korean Med Sci. 2021 Jul 12;36(27):e197. doi: 10.3346/jkms.2021.36.e197.

Effects of a comprehensive antimicrobial stewardship program in a surgical intensive care unit.

Kim SH, Yoon JG, Park HJ, Won H, Ryoo SS, Choi E, Park EK, **Huh K (co-corresponding author)**, Park CM.

Int J Infect Dis. 2021 Jul;108:237-243. doi: 10.1016/j.ijid.2021.02.082.

Impact of Nonpharmaceutical Interventions on the Incidence of Respiratory Infections During the Coronavirus Disease 2019 (COVID-19) Outbreak in Korea: A Nationwide Surveillance Study

Huh K, Jung J, Hong J, Kim M, Ahn JG, Kim JH, Kang JM.

Clin Infect Dis. 2021 Apr 8;72(7):e184-e191. doi: 10.1093/cid/ciaa1682.

Estimating Baseline Incidence of Conditions Potentially Associated with Vaccine Adverse Events: a Call for Surveillance System Using the Korean National Health Insurance Claims Data.

Huh K, Kim YE, Radnaabaatar M, Lee DH, Kim DW, Shin SA, Jung J.

J Korean Med Sci. 2021 Mar 8;36(9):e67. doi: 10.3346/jkms.2021.36.e67.

Association of prescribed medications with the risk of COVID-19 infection and severity among adults in South Korea.

Huh K, Ji W, Kang M, Hong J, Bae GH, Lee R, Na Y, Jung J.

Int J Infect Dis. 2021 Mar;104:7-14. doi: 10.1016/j.ijid.2020.12.041.

Effect of vancomycin loading dose on clinical outcome in critically ill patients with methicillin-resistant *Staphylococcus aureus* pneumonia.

Yoon JG, **Huh K (co-first author)**, Sohn YM, Park HJ, Na SJ, Jeon K.

J Thorac Dis. 2021 Feb;13(2):768-777. doi: 10.21037/jtd-20-2243.

Impact of obesity, fasting plasma glucose level, blood pressure, and renal function on the severity of COVID-19: A matter of sexual dimorphism?

Huh K, Lee R, Ji W, Kang M, Hwang IC, Lee DH, Jung J.

Diabetes Res Clin Pract. 2020;170:108515. doi: 10.1016/j.diabres.2020.108515.

Effect of Underlying Comorbidities on the Infection and Severity of COVID-19 in Korea: a Nationwide Case-Control Study.

Ji W, **Huh K (co-first author)**, Kang M, Hong J, Bae GH, Lee R, Na Y, Choi H, Gong SY, Choi YH, Ko KP, Im JS, Jung J.

J Korean Med Sci. 2020;35(25):e237. doi: 10.3346/jkms.2020.35.e237.

Risk Factors for Mortality and Respiratory Support in Elderly Patients Hospitalized with COVID-19 in Korea.

Lee JY, Kim HA, **Huh K (co-first author)**, Hyun M, Rhee JY, Jang S, Kim JY, Peck KR, Chang HH.

J Korean Med Sci. 2020;35(23):e223. doi: 10.3346/jkms.2020.35.e223.

Association of meteorological factors and atmospheric particulate matter with the incidence of pneumonia: an ecological study.

Huh K, Hong J, Jung J.

Clin Microbiol Infect. 2020;26(12):1676-1683. doi: 10.1016/j.cmi.2020.03.006.

Evaluation of the BioFire® FilmArray® Pneumonia Panel for rapid detection of respiratory bacterial pathogens and antibiotic resistance genes in sputum and endotracheal aspirate specimens.

Yoo IY, **Huh K** (co-first author), Shim HJ, Yun SA, Chung YN, Kang OK, Huh HJ, Lee NY.
Int J Infect Dis. 2020;95:326-331. doi: 10.1016/j.ijid.2020.03.024.

Oseltamivir and the risk of neuropsychiatric events: a national, population-based study.

Huh K, Kang M, Shin DH, Hong J, Jung J.

Clin Infect Dis. 2020;71(9):e409-e414. doi: 10.1093/cid/ciaa055.

Impact of difficult-to-treat resistance in gram-negative bacteremia on mortality: retrospective analysis of nationwide surveillance data.

Huh K, Chung DR, Ha YE, Ko JH, Kim SH, Kim MJ, Huh HJ, Lee NY, Cho SY, Kang CI, Peck KR, Song JH; Korean Antimicrobial Resistance Surveillance Network (KARS-Net) investigators.

Clin Infect Dis. 2020;71(9):e487-e496. doi: 10.1093/cid/ciaa084.

Prolonged shedding of type 55 human adenovirus in immunocompetent adults with adenoviral respiratory infections

Huh K, Kim I, Jung J, Lee JE, Jhun BW, Gu SH, Song DH, Lee EY, Jeong HJ, Yoo H.

Eur J Clin Microbiol Infect Dis. 2019 Apr;38(4):793-800.

Malaria control and chemoprophylaxis policy in the Republic of Korea Armed Forces for the previous 20 years (1997–2016)

Im JH, **Huh K** (co-first author), Yoon CG, Woo H, Lee JS, Chung MH, Klein TA, Jung J.

Malaria J. 2018 Aug 15;17(1):295.

Factors affecting the public awareness and behavior on antibiotic use

K Huh, DR Chung, SH Kim, SY Cho, YE Ha, CI Kang, KR Peck, JH Song.

Eur J Clin Microbiol Infect Dis, 2018;37(8):1547-1552.

Protective effectiveness of inactivated hantavirus vaccine against hemorrhagic fever with renal syndrome

Jung J, Ko SJ, Oh HS, Moon SM, Song JW, **Huh K**.

J Infect Dis, 2018;217(9):1417-1420.

Fit characteristics of different types of N95 filtering facepiece respirators and the accuracy of user seal check in Koreans.

Huh YJ, Jeong HM, Lim J, Park HY, Kim MY, Oh HS, **Huh K**.

Infect Control Hosp Epidemiol. 2018 Jan;39(1):104-107.

Universal measles-mumps-rubella vaccination to new recruits and the incidence of mumps in the military.

Moon JY, Jung J, **Huh K**.

Vaccine. 2017 Jul;35(32):3913-3916.

Febrile Respiratory Illness Associated with Human Adenovirus Type 55 in South Korea Military, 2014-2016.

Yoo H, Gu SH, Jung J, Song DH, Yoon C, Hong DJ, Lee EY, Seog W, Hwang IU, Lee D, Jeong ST, **Huh K**.

Emerg Infect Dis. 2017 Jun;23(6):1016-1020.

Serious fungal infections in Korea.

Huh K, Ha YE, Denning DW, Peck KR.

Eur J Clin Microbiol Infect Dis. 2017 Jun;36(6):957-963.

Impact of monitoring surgical prophylactic antibiotics and a computerized decision support system on antimicrobial use and antimicrobial resistance.

Huh K, Chung DR, Park HJ, Kim MJ, Lee NY, Ha YE, Kang CI, Peck KR, Song JH.

Am J Infect Control. 2016 Sep 1;44(9):e145-52. doi: 10.1016/j.ajic.2016.01.025.

A new causative bacteria of infectious endocarditis, *Bergeyella cardium* sp. nov.

Sohn KM, **Huh K (co-first author)**, Baek J, Kim Y, Kang C, Peck KR, Lee NY, Song J, Ko KS, Chung DR.

Diagn Microbiol Infect Dis. 2015 Mar;81(3):213-6. doi: 10.1016/j.diagmicrobio.2014.12.001.

Risk factors and treatment outcomes of bloodstream infection caused by extended-spectrum cephalosporin-resistant *Enterobacter* species in adults with cancer.

Huh K, Kang CI, Kim J, Cho SY, Ha YE, Joo EJ, Chung DR, Lee NY, Peck KR, Song JH.

Diagn Microbiol Infect Dis. 2014 Feb;78(2):172-7.

Continuous increase of the antimicrobial resistance among gram-negative pathogens causing bacteremia: a nationwide surveillance study by the Korean Network for Study on Infectious Diseases (KONSID).

Huh K, Kim J, Cho SY, Ha YE, Joo EJ, Kang CI, Chung DR, Lee NY, Song JH, Peck KR; Korean Network for Study on Infectious Diseases (KONSID).

Diagn Microbiol Infect Dis. 2013;76(4):477-82.

Identification of BCAR-1 as a new substrate of Syk tyrosine kinase through a determination of amino acid sequence preferences surrounding the substrate tyrosine residue.

Kim JY, **Huh K (co-first author)**, Jung R, Kim TJ.

Immunol Lett. 2011;135(1-2):151-7.

Original research (as a co-author)

Emergence of vancomycin-resistant *Enterococcus faecium* ST1421 lacking the *pstS* gene in Korea.

Kim HM, Chung DR, Cho SY, **Huh K**, Kang CI, Peck KR.

Eur J Clin Microbiol Infect Dis. 2020 Mar 3. doi: 10.1007/s10096-020-03853-4. [Epub ahead of print]

Characteristics and Clinical Outcomes of Extended-Spectrum beta-lactamase-producing *Klebsiella pneumoniae* Bacteremia in Cancer Patients.

Nham E, **Huh K**, Cho SY, Chung DR, Peck KR, Lee NY, Kang CI.

Infect Chemother. 2020 Mar;52(1):59-69.

Antifungal prophylaxis with posaconazole tablet and oral suspension in patients with haematologic malignancy: Therapeutic drug monitoring, efficacy and risk factors for the suboptimal level.

Oh J, Kang CI, Kim SH, **Huh K**, Cho SY, Chung DR, Lee SY, Jung CW, Peck KR.

Mycoses. 2020 Jan;63(1):89-94.

Clinical effectiveness of oral antimicrobial therapy for acute pyelonephritis caused by extended-spectrum β -lactamase-producing Enterobacterales.

Kim SH, Lim KR, Lee H, **Huh K**, Cho SY, Kang CI, Chung DR, Peck KR.

Eur J Clin Microbiol Infect Dis. 2020 Jan;39(1):159-167.

Comparison of 16S Ribosomal RNA Targeted Sequencing and Culture for Bacterial Identification in Normally Sterile Body Fluid Samples: Report of a 10-Year Clinical Laboratory Review.

Yoo IY, Kang OK, Lee MK, Kim YJ, Cho SY, **Huh K**, Kang CI, Chung DR, Peck KR, Huh HJ, Lee NY.

Ann Lab Med. 2020 Jan;40(1):63-67.

Association of time-to-treatment with outcomes of Pneumocystis pneumonia with respiratory failure in HIV-negative patients.

Ko RE, Na SJ, **Huh K**, Suh GY, Jeon K.

Respir Res. 2019 Sep 26;20(1):213.

Evaluating the optimal dose of teicoplanin with therapeutic drug monitoring: not too high for adverse event, not too low for treatment efficacy.

Kim SH, Kang CI, **Huh K**, Cho SY, Chung DR, Lee SY, Kim YJ, Peck KR.

Eur J Clin Microbiol Infect Dis. 2019 Nov;38(11):2113-2120.

Early cidofovir administration might be associated with a lower probability of respiratory failure in treating human adenovirus pneumonia: a retrospective cohort study.

Ko JH, Lim JU, Choi JY, Oh HS, Yoo H, Jhun BW, **Huh K**, Peck KR.

Clin Microbiol Infect. 2019 Oct 21. pii: S1198-743X(19)30545-2. doi: 10.1016/j.cmi.2019.10.012.

[Epub ahead of print]

Inhalation with intravenous loading dose of colistin in critically ill patients with pneumonia caused by carbapenem-resistant gram-negative bacteria.

Choe J, Sohn YM, Jeong SH, Park HJ, Na SJ, **Huh K**, Suh GY, Jeon K.

Ther Adv Respir Dis. 2019 Jan-Dec;13:1753466619885529.

Complementing conventional infectious disease surveillance with national health insurance claims data in the Republic of Korea.

Jung J, Im JH, Ko YJ, **Huh K**, Yoon CG, Rhee C, Kim YE, Go DS, Kim A, Jung Y, Radnaabaatar M, Yoon SJ.

Sci Rep. 2019 Jun 19;9(1):8750.

Inappropriate empirical antibiotic therapy does not adversely affect the clinical outcomes of patients with acute pyelonephritis caused by extended-spectrum β -lactamase-producing Enterobacterales.

Kim SH, Oh S, **Huh K**, Cho SY, Kang CI, Chung DR, Peck KR.

Eur J Clin Microbiol Infect Dis. 2019 May;38(5):937-944.

Factors associated with the recurrence of acute pyelonephritis caused by extended-spectrum β -lactamase-producing Escherichia coli: the importance of infectious disease consultation.

Kim SH, **Huh K**, Cho SY, Kang CI, Chung DR, Peck KR.

Diagn Microbiol Infect Dis. 2019 May;94(1):55-59.

Follow-up blood cultures add little value in the management of bacteremic urinary tract infections.

Shi H, Kang CI, Cho SY, **Huh K**, Chung DR, Peck KR.

Eur J Clin Microbiol Infect Dis 2019;38, 695–702.

Complete Genome Sequence of Human Adenovirus Type 55 Associated with Acute Respiratory Disease, Isolated from a Military Base in the Republic of Korea.

Gu SH, Song DH, Lee D, **Huh K**, Yoo H, Oh HS, Jung J, Woo KI, Kim M, Seog W, Hwang I-U, Jeong ST.

Genome Announc 5:e01565-16.

Clinical Presentation and Outcomes of Middle East Respiratory Syndrome in the Republic of Korea.

Choi WS, Kang CI, Kim Y, Choi JP, Joh JS, Shin HS, Kim G, Peck KR, Chung DR, Kim HO, Song SH, Kim YR, Sohn KM, Jung Y, Bang JH, Kim NJ, Lee KS, Jeong HW, Rhee JY, Kim ES, Woo H, Oh WS, **Huh K**, Lee YH, Song JY, Lee J, Lee CS, Kim BN, Choi YH, Jeong SJ, Lee JS, Yoon JH, Wi YM, Joung MK, Park SY, Lee SH, Jung SI, Kim SW, Lee JH, Lee H, Ki HK, Kim YS; Korean Society of Infectious Diseases.

Infect Chemother. 2016 Jun;48(2):118-26.

Carbapenems versus alternative antibiotics for the treatment of bloodstream infections caused by *Enterobacter*, *Citrobacter* or *Serratia* species: a systematic review with meta-analysis.

Harris PN, Wei JY, Shen AW, Abdile AA, Paynter S, Huxley RR, Pandeya N, Doi Y, **Huh K**, O'Neal CS, Talbot TR, Paterson DL.

J Antimicrob Chemother. 2016 Feb;71(2):296-306. doi: 10.1093/jac/dkv346.

Clinical features and risk factors for development of *Bacillus* bacteremia among adult patients with cancer: a case-control study.

Ko JH, Kang CI, Lee WJ, **Huh K**, Yoo JR, Kim K, Cho SY, Ha YE, Chung DR, Lee NY, Peck KR, Song JH.

Support Care Cancer. 2014 Aug 12. 2015 Feb;23(2):377-84. doi: 10.1007/s00520-014-2382-1.

Risk factors for cytomegalovirus gastrointestinal diseases in adult patients with cancer.

Ko JH, Peck KR, Lee WJ, **Huh K**, Yoo JR, Kim K, Cho SY, Ha YE, Kang CI, Chung DR, Jung CW, Kim YH, Lee NY, Kim KM, Song JH.

Eur J Clin Microbiol Infect Dis. 2014 Oct;33(10):1847-53.

Nickel induces secretion of IFN-gamma by splenic natural killer cells.

Kim JY, **Huh K**, Lee KY, Yang JM, Kim TJ.

Exp Mol Med. 2009;41(4):288-95.

Reviews, letters, and other publications

Interim Guidelines on Antiviral Therapy for COVID-19.

Kim SB, **Huh K**, Heo JY, Joo EJ, Kim YJ, Choi WS, Kim YJ, Seo YB, Yoon YK, Ku NS, Jeong SJ, Kim SH, Peck KR, Yeom JS.

Infect Chemother. 2020 Apr 23. [Epub ahead of print]

Emergent Strategies for the Next Phase of COVID-19.

Huh K, Shin HS, Peck KR.

Infect Chemother. 2020 Mar;52(1):105-109. doi: 10.3947/ic.2020.52.1.105. Epub 2020 Feb 25.

Modern History of Tuberculosis in Korea.

Song JH, **Huh K**, Chung DR.

Infect Chemother. 2019 Dec;51(4):414-426.

Community-acquired pneumonia in the Asia-Pacific region.

Song JH, **Huh K**, Chung DR.

Semin Respir Crit Care Med. 2016 Dec;37(6):839-854.

Worms in the Eye.

Huh K and Choi JH.

N Engl J Med. 2016 Oct 6;375(14):e30.

Changing epidemiology of community-associated methicillin-resistant *Staphylococcus aureus* in the Asia-Pacific region

Huh K and Chung DR.

Expert Rev Anti Infect Ther. 2016 Nov;14(11):1007-1022.

Novel pandemic influenza A (H1N1) and community-associated methicillin-resistant *Staphylococcus aureus* pneumonia

Chung DR and **Huh K**.

Expert Rev Anti Infect Ther. 2015 Feb;13(2):197-207.

Awards and Citations

Outstanding Oral Presentation. Annual Spring Meeting of the Korean Society of Chemotherapy and the Korean Society of Infectious Diseases. April 21-23, 2016. Seoul, Republic of Korea.

Ministerial Citation of National Defense, for the participation in the military response to MERS outbreak, 2015.

Clinical research training/certifications

Principal investigator/study manager (certified 20 Jul 2019, renewed 6 Nov 2021)