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# Citizenship

Korean

# Date of Birth

June, 26th, 1978

# Education

1994.3. ~ 1997.2. Diploma

Taegu Science Highschool, Daegu, Korea

1997.3. ~ 2002.2. B.S, Majoring in Pharmacy

College Of pharmacy, Seoul National University, Seoul, Korea

2002.3. ~ 2004.8. M.S, Majoring in Clinical Pharmacy

College Of pharmacy, Seoul National University, Seoul, Korea

2006.9. ~ 2012.2. Ph.D., Majoring in Clinical Pharmacy

College Of pharmacy, Seoul National University, Seoul, Korea

# License

2002.3. Korean License of Pharmacist (#52586)

# Working Experience

2002.3. ~ 2004.2.

Seoul National University Hospital, Seoul, Korea

Nephrology service team: patient education, consulting patient medication, clinical trials

2004.2. ~ 2005.6.

Registered pharmacist in Seoul National University Hospital, Seoul, Korea

Liver transplant service team: patient education, manual preparation, consulting patient medication

Internship pharmacist education: nephrology

2006.9. ~ 2010.2.

Seoul National University Bundang Hospital, Seongnam, Korea

Geriatrics service team: patient education, consulting patient medication

2007.9. ~ 2012.2

Seoul National University Bundang Hospital, Seongnam, Korea

Tuberculosis team: research, clinical trials

2012.3 ~ 2013.2

BK postdoc, Seoul National University, Seoul, Korea

2012.3 ~ 2013. 8.

Senior researcher in Continuing Education Center for Advanced Pharmacy, Seoul National University, Seoul, Korea

2013.9~ 2020.2

Assistant professor, College of Pharmacy, Yonsei University, Seoul, Korea

Adjunt professor, Dept. of Clinical Pharmacology and Cardiology, College of Medicine, Yonsei University, Seoul, Korea

2020.3~

Associate professor, College of Pharmacy, Yonsei University, Seoul, Korea

Adjunt professor, Dept. of Clinical Pharmacology, College of Medicine, Yonsei University, Seoul, Korea

# Publication

1. Ryu JY, Min KL, **Chang MJ**. Effect of anti-epileptic drugs on the survival of patients with glioblastoma multiforme: A retrospective, single-center study. PloS one. 2019;14(12): e0225599.
2. Hahn J, Yang S, Min KL, Kim D, Jin BH, Park C, Park MS, Wi J, **Chang MJ.** Population pharmacokinetics of intravenous sufentanil in critically ill patients supported with extracorporeal membrane oxygenation therapy. Critical care (London, England). 2019;23(1):248. (co-corresponding author)
3. Min KL, Ryu JY, **Chang MJ**. Development and clinical applications of the dried blood spot method for therapeutic drug monitoring of anti-epileptic drugs. Basic & clinical pharmacology & toxicology. 2019.
4. Kang S, Park J, Yu YM, Park MS, Han E, **Chang MJ.** Comparison of acute kidney injury and clinical prognosis of vancomycin monotherapy and combination therapy with beta-lactams in the intensive care unit. PloS one. 2019;14(6):e0217908.
5. Lee S, Jang J, Yang S, Hahn J, Min KL, Jung EH, Oh KS, Cho R, **Chang MJ**. Development and validation of the Korean version of the medication regimen complexity index. PloS one. 2019;14(5):e0216805.
6. Hahn J, Lee H, Kang HC, Lee JS, Kim HD, Kim SH, **Chag MJ**. Clobazam as an adjunctive treatment for infantile spasms. Epilepsy & behavior : E&B. 2019;95:161-5. (co-corresponding author)
7. Choi GW, Lee JY, **Chang MJ**, Kim YK, Cho Y, Yu YM, et al. Risk factors for linezolid-induced thrombocytopenia in patients without haemato-oncologic diseases. Basic & clinical pharmacology & toxicology. 2019;124(2):228-34.
8. Min KL, Koo H, Choi JJ, Kim DJ, **Chang MJ**, Han E. Utilization patterns of insulin for patients with type 2 diabetes from national health insurance claims data in South Korea. PloS one. 2019;14(3):e0210159. (co-corresponding author)
9. Min KL, Son ES, Kim JS, Kim SH, Jung SM, **Chang MJ**. Risk factors of colistin safety according to administration routes: Intravenous and aerosolized colistin. PloS one. 2018;13(11):e0207588.
10. Lee H, Song DH, Kwon JW, Han E, **Chang MJ**, Kang HY. Assessing the risk of type 2 diabetes mellitus among children and adolescents with psychiatric disorders treated with atypical antipsychotics: a population-based nested case-control study. European child & adolescent psychiatry. 2018.
11. Back HM, Song B, Pradhan S, Chae JW, Han N, Kang W, **Chang MJ**, Zheng J, Kwon KI, Karlsson MO, Yun HY. A mechanism-based pharmacokinetic model of fenofibrate for explaining increased drug absorption after food consumption. BMC pharmacology & toxicology. 2018;19(1):4.
12. Yang S, Noh H, Hahn J, Jin BH, Min KL, Bae SK, Kim J, Park MS, Hong T, Wi J, **Chang MJ**. Population pharmacokinetics of remifentanil in critically ill patients receiving extracorporeal membrane oxygenation. Scientific reports. 2017;7(1):16276. (co-corresponding author)
13. Wi, J., Noh, H., Min, K. L., Yang, S., Jin, B. H., Hahn, J., Bae, S. K., Kim, J., Park, M. S., Choi, D. and **Chang, M. J**. Population Pharmacokinetics and Dose Optimization of Teicoplanin during Venoarterial Extracorporeal Membrane Oxygenation. Antimicrob Agents Chemother. 2017 (co-corresponding author)
14. Hahn J, Choi JH, **Chang MJ**. Pharmacokinetic changes of antibiotic, antiviral, antituberculosis and antifungal agents during extracorporeal membrane oxygenation in critically ill adult patients. Journal of clinical pharmacy and therapeutics. 2017;42(6):661-71.
15. Min KL, Park MS, Jung J, **Chang MJ**, Kim CO. Comparison of Pharmacokinetics and Safety of a Fixed-Dose Combination of Rosuvastatin and Ezetimibe Versus Separate Tablets in Healthy Subjects. Clinical therapeutics. 2017. (co-corresponding author)
16. Wi, J., Noh, H., Min, K. L., Yang, S., Jin, B. H., Hahn, J., Bae, S. K., Kim, J., Park, M. S., Choi, D. and **Chang, M. J**. Population Pharmacokinetics and Dose Optimization of Teicoplanin during Venoarterial Extracorporeal Membrane Oxygenation. Antimicrob Agents Chemother. 2017 (in press) (co-corresponding author)
17. Heo G, Kim SH, **Chang MJ**. Effect of ketogenic diet and other dietary therapies on anti-epileptic drug concentrations in patients with epilepsy. Journal of clinical pharmacy and therapeutics. 2017;42(6):758-64. (co-corresponding author)
18. **Chang MJ**, Jin B, Chae JW, Yun HY, Kim ES, Lee YJ, et al. Population pharmacokinetics of moxifloxacin, cycloserine, p-aminosalicylic acid and kanamycin for the treatment of multi-drug-resistant tuberculosis. International journal of antimicrobial agents. 2017;49(6):677-87.
19. Song JM, Hahn J, Kim SH, **Chang MJ**. Efficacy of Treatments for Infantile Spasms: A Systematic Review. Clinical neuropharmacology. 2017;40(2):63-84.Yoo Jin Jung, Young Suk Yi, Ji Hyune Ahn, Eun Sun Son, Min Soo Park, Jangik I. Lee and Min Jung Chang. Effect of voriconazole or itraconazole on the plasma concentrations of tacrolimus in lung transplant recipients. Korean J Clin Pharm. 2016;26(4):306-311
20. Dasohm Kim, Eun Sil Oh, Choon Ok Kim, Chungam Choi, **Min Jung Chang** and Min Soo Park. Effects of JOINS® on the pharmacokinetic profiles of aceclofenac in healthy Korean volunteers: an open-label, multiple-dose, one sequence, two-period study. Tranl Clin Pharmacol. 2016;24(4):169-174.
21. Moon SE, Kim SW, Son JH, **Chang MJ**. Comparison of Changes in Liver Function of the Fish Oil and Non-fish Oil based Total Parenteral Nutrition in Cancer Patients. J Kor Soc Health-syst Pharm. 2016;33(2):20-30
22. Yang S, Kim D, Choi HJ, **Chang MJ**. A comparison of patients' and pharmacists' satisfaction with medication counseling provided by community pharmacies: a cross-sectional survey. BMC Health Serv Res. 2016;16(1):131.
23. Kim JY, Yang S, Lee JI, **Chang MJ**. Cardiovascular Effect of Incretin-Based Therapy in Patients with Type 2 Diabetes Mellitus: Systematic Review and Meta-Analysis. PLoS One. 2016;11(4):e0153502.
24. Jeon SG, Yang SW, Choi HJ, Lee JI, **Chang MJ**. Analysis of Satisfaction Level and Comprehension Level between Patient and Pharmacist Group on Patient Counseling Standards. Korean J Clin Pharm. 2015;25(4):231-37.
25. **Chang MJ**, Chae JW, Yun HY, Lee JI, Choi HD, Kim J, et al. Effects of type 2 diabetes mellitus on the population pharmacokinetics of rifampin in tuberculosis patients. Tuberculosis (Edinburgh, Scotland). 2015;95(1):54-9.
26. Yoo Jin Jung JhA, Hyun Ju Seok, Jangik I. Lee and **Min Jung Chang**. Studies on the Roles of Transplant Pharmacists: Prescription Intervention for Solid Organ Transplant Inpatients. J Kor Soc Health-Syst Pharm. 2014;31(6):1099-109.
27. Park JE, Kim HS, **Chang MJ**, Hong HS. [Implementation of Ontology-based Clinical Decision Support System for Management of Interactions Between Antihypertensive Drugs and Diet]. Journal of Korean Academy of Nursing. 2014;44(3):294-304.
28. Kang BC, Kim YE, Kim YJ, **Chang MJ**, Choi HD, Li K, et al. Optimizing EEMCO guidance for the assessment of dry skin (xerosis) for pharmacies. Skin research and technology : official journal of International Society for Bioengineering and the Skin (ISBS) [and] International Society for Digital Imaging of Skin (ISDIS) [and] International Society for Skin Imaging (ISSI). 2014;20(1):87-91.
29. **Chang MJ**, Cho E, Noh H, Lee JI. Studies on the Perception on Clinical Pharmaceutical Care and Clinical Pharmaceutical Sciences. Korean J Clin Pharm. 2014;24(3):169-82.
30. Eum S, Choi HD, **Chang MJ**, Choi HC, Ko YJ, Ahn JS, et al. Protective effects of vitamin E on chemotherapy-induced peripheral neuropathy: a meta-analysis of randomized controlled trials. International journal for vitamin and nutrition research Internationale Zeitschrift fur Vitamin- und Ernahrungsforschung Journal international de vitaminologie et de nutrition. 2013;83(2):101-11.
31. Choi CA, **Chang MJ**, Choi HD, Chung WY, Shin WG. Application of a drug-interaction detection method to the Korean National Health Insurance claims database. Regulatory toxicology and pharmacology : RTP. 2013;67(2):294-8.
32. **Chang MJ**, Noh H, Lee JI. Construction and Evaluation of the Student Practice Program in the Hospital under the 6-year College of Pharmacy Curriculum. Korean J Clin Pharm. 2013;23(4):300-6.
33. Choi HD, Lee HJ, Lee SH, Kim SH, Choi CA, **Chang MJ**, et al. Pharmacokinetics and correlation analysis of cilostazol in healthy Korean subjects. International journal of clinical pharmacology and therapeutics. 2012;50(5):345-8.
34. **Chang MJ**, Shin WG. Comparative pharmacokinetics and bioequivalence of two 50 mg atenolol tablet formulations in healthy Korean male volunteers. Arzneimittel-Forschung. 2012;62(9):410-3.
35. **Chang MJ**, Namgung H, Choi HD, Song YR, Kim SG, Oh JM, et al. Pharmacokinetics of clindamycin in the plasma and dialysate after intraperitoneal administration of clindamycin phosphoester to patients on continuous ambulatory peritoneal dialysis: an open-label, prospective, single-dose, two-institution study. Basic & clinical pharmacology & toxicology. 2012;110(6):504-9.
36. Kim JH, **Chang MJ**, Choi HD, Youn YK, Kim JT, Oh JM, et al. Protective effects of Haematococcus astaxanthin on oxidative stress in healthy smokers. Journal of medicinal food. 2011;14(11):1469-75.