



Hao HU
Professor

Academic Qualifications

- Postdoctoral, University of Montreal
- Ph.D., Sichuan University
- M.A., Sichuan University
- B.A., Harbin Engineering University

Teaching

Undergraduate courses

- HSCI4010 Pharmaceutical Economics and Policy

M.Sc. Courses

- CMED7005 International Business and Law for Medicine
- CMED7029 Research Methodology
- CMED7032 Health Industry Innovation
- CMED7034 Application Methodology for Medicinal Management
- HSCI7008 Health Systems and Policy

Ph.D. Course

- CMED8011 Advances in Medicinal Administration

Current Research

- Computational biology and computational drug discovery
- Computational medicine

Selected Publications (corresponding or first authorship)

- [1] Ge Y[#], Li J[#], Ming C, Ung COL, Lai Y, **Hu H***. Proteomic and transcriptomic analyses define molecular subtypes, identify biomarkers, and suggest potential therapeutic agent for early-stage HBV-related hepatocellular carcinoma. *Journal of Proteome Research*. 2025; 24: 6238–6251.
- [2] Xue Y[#], Song M[#], Ung COL, **Hu H***. Using unsupervised machine learning methods to cluster cardio-metabolic profile of the middle-aged and elderly Chinese with general and central obesity. *BMC Cardiovascular Disorders*. 2025; 25:772.
- [3] Chen X, Shi J, Xue Y, Lai Y, Song M, Ung COL, **Hu H***. Critical analysis of the liver cancer policies and programs in China: implications for international liver cancer control. *Global Health Research and Policy*. 2025;10:50.
- [4] Lin Q, Ung COL, Lai Y, **Hu H***, Jakovljevic M*. Critical analysis of Markov modeling for

the economic evaluation of obesity interventions: a systematic review. *Risk Management and Healthcare Policy*. 2025;18:2169-2187.

- [5] Xue Y, Song M, Yu H, Chen X, Ung COL*, **Hu H***. Implementation of clinical services for adults with obesity in different health systems: a scoping review and causal loop diagram. *Diabetes, Metabolic Syndrome and Obesity*. 2025;18:1695-1709.
- [6] Song M, Zhou H, Yang Z, Lai Y, Ung COL*, **Hu H***. Development and validation of an approach to assessing clinical relevance of potential drug–drug interactions inducing rare but serious adverse events. *Clinical and Translational Science*. 2025;18(5):e70253.
- [7] Xia M, Xue Y, Zhu L, Chen X, Ung COL, Han S, Lai Y*, **Hu H***. Advancing human-use experience for real-world evidence for the registration of traditional Chinese medicine products in China. *BMC Complementary Medicine and Therapies*. 2025;25:174.
- [8] Zheng L#, Xue Y#, Chen X, Ung COL, **Hu H***. Application of system dynamics approach in developing health interventions to strengthen health systems to combat obesity: a systematic literature review and critical analysis. *BMC Public Health*. 2025;25:1580.
- [9] Xue Y, Song M, Chen X, Ruan Z, Zou H, Lai Y, Yao D, Ung COL*, **Hu H***. Consolidating international care models and clinical services for adult obesity. *Current Obesity Reports*. 2025;14:26.
- [10] Deng N#, Yan Z#, Wang S, Song M*, **Hu H***. Utilization of immune checkpoint inhibitors in HER2-negative, advanced metastatic or unresectable gastric cancer under all CPS grading: evaluation of efficacy based on individual patient data reconstruction and secondary analyses. *Clinical Therapeutics*. 2025;47:147-158.
- [11] Zou H#, Lai Y, Chen X, Ung COL, **Hu H***. Cost-effectiveness of camrelizumab plus rivoceranib versus sorafenib as first-line treatment of unresectable hepatocellular carcinoma. *Therapeutic Advances in Gastroenterology*. 2025;18:17562848241310314.
- [12] Hu Y#, Zou H#. Shen Y, Ni Q, Li Y, Zhang H, Chen X, Ung COL, **Hu H***, Mu Y*. Long- and short-term cost-effectiveness of once-weekly semaglutide versus dulaglutide for the treatment of type 2 diabetes in China: a hypothetical modeling exercise. *Diabetes Therapy*. 2025;16:915–929.
- [13] Hu Y#, Chen X#, Zou H, Zhang H, Ni Q, Li Y, Ung COL, **Hu H***, Mu Y*. Long-term clinical and economic effects of switching to once-weekly semaglutide from other GLP-1 RAs among patients with type 2 diabetes in China: a modeling projection study. *Advances in Therapy*. 2025;42:904-917
- [14] Chen X#, Cai K#, Xue Y, Ung COL, **Hu H***, Jakovljevic M*. Using system dynamics modeling approach to strengthen health systems to combat cancer: a systematic literature review. *Journal of Medical Economics*. 2025; 28: 168-185.
- [15] Lai Y#, Ho Q#, Wang Y#, Liang X, Xue Y, Ung CO, Li M, Yao D, Liu B, Bian Y*, Xie Z*, **Hu H***. Challenges and strategies of developing internet hospital: combining qualitative interview and documentary research. *Digital Health*. 2024;10:20552076241310075.
- [16] Ruan Z#, Chen X#, Song M, Jia R, Luo H, Ung COL, **Hu H***. Real-world utilization and effectiveness of glucagon-like peptide-1 receptor agonists dosed weekly and daily in patients with type 2 diabetes mellitus: results from retrospective electronic medical records in China. *Diabetes, Metabolic Syndrome and Obesity*. 2024;17: 3657–3666.
- [17] Lei PK#, Liu Z#, Ung COL, **Hu H***. Efficacy and safety of direct-acting antiviral regimen for patients with hepatitis C virus genotype 2: a systematic review and meta-analysis. *BMC Gastroenterology*. 2024; 24: 331.

- [18] Zou H, Ge Y, Chen W, Yao D, Ung CO, Lai Y*, **Hu H***. Real-world treatment patterns and outcomes for patients with advanced hepatocellular carcinoma initially treated with PD-1 inhibitors. *International Immunopharmacology*. 2024;132:111947.
- [19] Ge Y, Yao D, Ung COL, Xue Y, Li M, Lin J, **Hu H***, Lai Y*. Digital medical information services delivered by pharmaceutical companies via WeChat: qualitative analytical study. *Journal of Medical Internet Research*. 2023;25:e43812.
- [20] Zou H, Xue Y, Chen X, Lai Y, Yao D, Ung COL, **Hu H***. Comparative analysis of disease modelling for health economic evaluations of systemic therapies in advanced hepatocellular carcinoma. *PLOS ONE*. 2023; 18(10): e0292239.
- [21] Xue Y, Zou H, Ruan Z, Chen X, Lai Y, Yao D, Ung COL*, **Hu H***. Pharmacoeconomic evaluation of anti-obesity drugs for chronic weight management: a systematic review of literature. *Frontiers in Endocrinology*. 2023;14:1254398.
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- [25] Yan X, Zou H, Lai Y, Ung CO, **Hu H***. Efficacy and safety of first-line targeted treatment and immunotherapy for patients with biliary tract cancer: a systematic review and meta-analysis. *Cancers*. 2023;15(1):39.
- [26] Zou H, Lei Q, Yan X, Lai Y, Ung CO, **Hu H***. Clinical outcomes associated with monotherapy and combination therapy of immune checkpoint inhibitors as first-line treatment for advanced hepatocellular carcinoma in real-world practice: a systematic literature review and meta-analysis. *Cancers*. 2023;15(1):260.
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- [28] **Hu H***, Su J, Ma J. Smart hospital innovation: technology, service, and policy. *Frontiers in Public Health*. 2022;10:845577.
- [29] Lai Y, Wang R, Li W, Zhu H, Fei S, Shi H, Lu N, Ung COL, **Hu H***, Han S*. Clinical and economic analysis of Gastrodin injection for dizziness or vertigo: a retrospective cohort study based on electronic health records in China. *Chinese Medicine*. 2022;17: 6.
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⑩ **ResearchGate:**

https://www.researchgate.net/profile/Hao_Hu11

⑩ **Google Scholar:**

<https://scholar.google.com/citations?user=vOp5OVYAAAAI&hl=zh-CN&oi=sra>

Books

- ⑩ Leung SW, Hu H. 2016. *Evidence-based Research Methods for Chinese Medicine*. Springer.

- ⑩ Hu H, Zhang LM. 2014. *Rebuild Value Logics: Business Model Innovation in the Chinese Pharmaceutical Industry*. Beijing: Tsinghua University Press. (In Chinese)

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