Appendix 1.General information of included studies.

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| Reference | HM formula | Control group | Number of participants R/A | Average age (SD) | HT diagnostic criteria (TCM diagnostic pattern(s), if reported) | Duration of HUA | Treatment duration (Length of follow-up) | Outcome |
| P. Dong 2022 | Lily-Plantago Seed tea | Follow-up observation | HM group: 55/55Control group: 55/55 | HM group: 59.85 (3.13) Control group: 59.88 (3.19) | Practice Guidelines for the Diagnosis and Treatment of Hyperuricemia in Kidney Diseases in China (2017 edition) (Damp-heat accumulation or phlegm stagnation) | Not reported | 3 months (3 months)  | Reduction of SUASymptom improvement |
| RJ. Liang 2014 | Rhizoma Dioscoreae Hypoglaucae and Glabrous Greenbrier Ghizome Traditional Chinese Medicine granules | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 62.5 (5.4) Control group: 61.8 (5.7) | Practical Internal Medicine (Phlegm-dampness or pampness-heat) | HM group: 6.5±3.4 monthsControl group: 6.8±3.7 months | 4 weeks (4 weeks)  | Reduction of SUASymptom improvement |
| BC. Chen 2006 | Xuezhikang capsule | Placebo | HM group: 40/38Control group: 40/37 | HM group: 35.81 (12.13) Control group: 35.65 (12.19) | Not reported | Not reported | 4 weeks (4 weeks)  | Reduction of SUA, XOD, TC, TG, LP, CRP, ET-1, β2-MGElevation of HDL |
| LN. Sun 2006 | Strengthening the spleen, dispelling dampness, and relieving turbidity therapy | Follow-up observation | HM group: 35/35Control group: 35/35 | HM group: 42.03 (10.68) Control group: 38.60 (10.66) | Internal Medicine (Sixth Edition) | Not reported | 2 months (2 months)  | Reduction of SUA, TGSymptom improvement |
| ZJ. Lu 2010 | Spleen Nourishing and Turbidity Relieving Therapy | Follow-up observation | HM group: 72/72Control group: 72/72 | Not reported | Not reported | Not reported | 2 months (2 months)  | Reduction of SUAVascular endothelial function improvement |
| XX. Chen 2010 | Anoectochilus roxburghii capsule | Placebo | HM group: 36/35Control group: 33/33 | HM group: 84.73 (4.16) Control group: 83.56 (3.72) | Practical Internal Medicine (Phlegm-dampness and Dampness-heat) | Not reported | 30 days (30 days)  | Reduction of SUA |
| XX. Zhang 2011 | Xiezhuo　Chubi　Formula　 | Follow-up observation | HM group: 33/28Control group: 33/30 | HM group: 56.07 (17.62) Control group: 53.07 (15.76) | Chinese Rheumatology | Not reported | 20 days (20 days)  | Reduction of SUASymptom improvement |
| JH. Peng 2012 | Yunpi xiezhuo Powder | Follow-up observation | HM group: 100/100Control group: 100/100 | HM group: 41.03 (9.68) Control group: 40.60 (10.66) | Internal Medicine (Seventh Edition) (Spleen deficiency and dampness accumulation) | HM group: 1.67±0.68 yearsControl group: 1.55±1.06 years | 3 months (3 months)  | Reduction of SUA, GLU, TC, TG, LDLElevation of HDL |
| H. Xu 2013 | Traditional Chinese medicine uric acid particles | Placebo | HM group: 60/50Control group: 60/48 | HM group: 51(13.0) Control group: 52 (14.1) | (Spleen deficiency or damp-heat accumulation) | Not reported | 4 weeks (4 weeks)  | Reduction of SUA, LDLSymptom improvement |
| CY. Han 2015 | Zhongyue jiangsangao yaocha | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 49.1 (7.3) Control group: 49.4 (7.6) | (Qi deficiency with phlegm dampness constitution) | Not reported | 1 month (1 month)  | Reduction of SUA |
| HX. Qiao 2016 | Qinluo huazhuo granules | Follow-up observation | HM group: 40/40Control group: 40/40 | HM group: 67.09 (8.23) Control group: 63.58 (6.62) | Chinese expert consensus about hyperuricemia and gout treatment | Not reported | 1 month (1 month)  | Reduction of SUA, TG |
| H. Sun 2016 | Traditional Chinese medicine formula granules of clear heat evil and detoxification | Placebo | HM group: 60/50Control group: 60/48 | HM group: 51 (12.0) Control group: 52 (12.1) | Chinese expert consensus recommendations for diagnosis and treatment of asymptomatic hyperuricemia complicated with cardiovascular diseases (Dampness toxin heat obstruction) | Not reported | 4 weeks (4 weeks)  | Reduction of SUA, LDL-CSymptom improvement |
| XX. Zhang 2016a | Compound Tufuling Granules | Follow-up observation | HM group: 30/23Control group: 30/28 | HM group: 50.17 (15.12)Control group: 53.50 (16.32) | Chinese Rheumatology (Phlegm dampness obstruction) | Not reported | 60 days (60 days) | Reduction of SUASymptom improvement |
| XX. Zhang 2016b | Compound Tufuling Granules | Follow-up observation | HM group: 20/15Control group: 20/20 | HM group: 50.17 (15.12)Control group: 53.50 (16.32) | Chinese Rheumatology (Phlegm dampness obstruction) | HM group: 10.63 (8.91)Control group: 8.30 (8.42) | 12 months (12 months) | Reduction of SUASymptom improvement |
| HL. Liu 2017 | Traditional Chinese medicine uric acid particles | Placebo | HM group: 39/39Control group: 39/39 | HM group: 52.41 (14.04) Control group: 55.26 (14.38) | Not reported | Not reported | 4 weeks (4 weeks)  | Reduction of SUASymptom improvement |
| YT. Liu 2017 | Compound Tufuling Granules | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 51.94 (12.62) Control group: 50.98 (9.29) | American College of Rheumatology Gout Classification Standard (Phlegm dampness) | Not reported | 3 months (3 months)  | Reduction of SUA, MCP-1, TNF-α, IL-6, TC, TG, CysCElevation of APN, NO, HDL-C |
| HX. Huang 2017 | Maxingyigan Decoction | Follow-up observation | HM group: 60/60Control group: 60/60 | HM group: 38.4 (4.1) Control group: 38.3 (4.2) | Internal Medicine (Third Edition) (Phlegm dampness) | HM group: 6.5±2.1 monthsControl group: 6.4±2.0 months | 30 days (30 days)  | Reduction of SUA, TC, TG, LDL-CElevation of HDL-CSymptom improvement |
| LY. Zhang 2017 | Lingyu Qingluo Decoction | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 56.57 (10.33) Control group: 56.67 (11.82) | Internal Medicine (Eighth Edition) (Phlegm dampness) | Not reported | 1 month (1 month)  | Reduction of SUA, TC, TG, hs-CRP |
| HX. Huang 2018 | Maxing Yigan decoction | Follow-up observation | HM group: 60/60Control group: 60/60 | HM group: 35.8 (11.7) Control group: 34.7 (11.4) | Chinese expert consensus about hyperuricemia and gout treatment (Phlegm dampness) | Not reported | 30 days (30 days)  | Reduction of SUASymptom improvement |
| CE. Yu 2018 | Jianpi Shen Xie Zhuo Ointment | Follow-up observation | HM group: 40/40Control group: 40/40 | HM group: 50.31 (12.18) Control group: 51.32 (11.73) | Chinese expert consensus recommendations for diagnosis and treatment of asymptomatic hyperuricemia complicated with cardiovascular diseases | HM group: 4.62±2.16 monthsControl group: 4.71±2.02 months | 16 weeks (16 weeks)  | Reduction of SUASymptom improvement |
| M. Liang 2018 | Guben Xiezhuo prescription | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 46.8 (16.58) Control group: 55.16 (19.01) | Internal Medicine (Eighth Edition) (Spleen and kidney deficiency or Damp-turbid internal retention) | Not reported | 8 weeks (8 weeks)  | Reduction of SUASymptom improvement |
| JY Lu 2019 | Modified Wuling Powder | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 53.60 (14.65) Control group: 54.40 (13.85) | China multi-disciplinary expert consensus on diagnosis and treatment of hyperuricemia and related diseases (2017 edition) (damp-heat accumulation) | Not reported | 12 weeks (12 weeks)  | Reduction of SUA, BMI, FPG, 2hPG, TC, TG, LDL-C, BUN, Scr, ADA, XODElevation of HDL-CSymptom improvement |
| JL. Hao 2020 | Qingrelishixiezhuo Method | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 44.37 (11.67) Control group: 45.00 (11.49) | Chinese expert consensus about hyperuricemia and gout treatment (damp-heat accumulation) | Not reported | 8 weeks (8 weeks)  | Reduction of SUA, TGElevation of NOSymptom improvement |
| L. Zhang 2020 | Shenchayin | Follow-up observation | HM group: 36/32Control group: 36/29 | Not reported | Chinese expert consensus about hyperuricemia and gout treatment (damp-heat) | Not reported | 3 months (3 months)  | Reduction of SUA, TC, ALT, AST, CrElevation of NOSymptom improvement |
| WT. Li 2021 | Qingre Lishi Recipe | Follow-up observation | HM group: 35/31Control group: 35/34 | HM group: 46.29 (16.08) Control group: 45.97 (12.83) | China multi-disciplinary expert consensus on diagnosis and treatment of hyperuricemia and related diseases (2017 edition) (Dampness heat stagnation in the spleen) | HM group: 33.68 monthsControl group: 32.38 months | 4 weeks (4 weeks)  | Reduction of SUA, URAT1, TC, TG, LDLSymptom improvement |
| ZD.Guo 2021 | YiShenJianPiHuaZhuo decoction | Follow-up observation | HM group: 33/32Control group: 35/35 | HM group: 42.78 (14.08) Control group: 41.97 (12.93) | Guideline for the diagnosis and management of hyperuricemia and gout in China (2019 edition) (Symptoms of spleen and kidney deficiency with damp pathogen) | Not reported | 8 weeks (8 weeks)  | Reduction of SUA, HX, TC, LDL-CElevation of HDL-CSymptom improvement |
| F. Shen 2021 | Green barley | Follow-up observation | HM group: 32/32Control group: 25/25 | HM group: 45.92 (12.68) Control group: 47.90 (8.83) | Not reported | Not reported | 90 days (90 days)  | Reduction of SUAElevation of HDL-C |
| JY. Liang 2021 | Huazhuojiedu prescription | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 37.50Control group: 36.50 | Guideline for the diagnosis and management of hyperuricemia and gout in China (2019 edition) (Turbid-toxic internal retention) | Not reported | 4 weeks (4 weeks)  | Reduction of SUA, BMISymptom improvement |
| DX. Zhang 2021 | Substituting tea drinking for dampness-removing and turbidity-resolving | Follow-up observation | HM group: 84/84Control group: 84/84 | HM group: 40.5 (6.1) Control group: 41.7 (5.8) | Chinese expert consensus about hyperuricemia and gout treatment (Phlegm dampness) | Not reported | 6 months (6 months)  | Reduction of SUASymptom improvement |
| GR. Shao 2022 | Lishi Qingre Decoction | Follow-up observation | HM group: 30/30Control group: 30/30 | HM group: 40.83 (13.50) Control group: 43.87 (13.68) | Guideline for the diagnosis and management of hyperuricemia and gout in China (2019 edition) (Damp-heat accumulation) | Not reported | 4 weeks (4 weeks)  | Reduction of SUA; Hcy; TGSymptom improvement |