**Summary of included domestic articles**

**Single-arm trials**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author (year), Country | Included patients(period, direction, character of tinnitus) | Sample size | Control intervention | Acupoints | Criteria for treatment | Outcomes |
| Andrew Jackson(2006), UK(1) | ND, ND, ND | 6 | AT + moxa | TE6, TE17, GB2, BL23, ST25, ST36, ST40, SP6, KI6, KI3, CV4, CV6, LR3, LR8, SI19, HT7 | TCM model | 1. THI 2. MYMOP |
| YING-HSU JUAN(2019), taiwan(2) | Chronic(6 months<), ND, ND | 78 | AT + 1) narrowed-band noise masking,  2) cognitive behavioral Therapy | TE21, SI19, GB2 | ND | 1. THI |
| DONG Youkang, WANG Yi(2016), China(3) | ND, ND, ND | 95 | AT + medication | GB20, SI17, TE16, Ex-HN14, SI19, GB2, TE21, TE6, LR3, GB40, TE5, LI4, KI3, KI6 | TCM model | 1. VAS 2. THI 3. TSIS |
| 刘翔维(2019), China(4) | Chronic(0.5 year<), ND, right-handed | 8 | AT | SI19, GB2, TE17, GB8, GB20, TE3 | experience of clinical acupuncturists | 1. VAS 2. THI |
| 李洋, 李瑞(2017), China(5) | ND, ND, ND | 62 | AT | GV20, GB20, GV16, TE17, GB12, SI19, GB2, TE6, TE3, LI4, TE5, LR3, GB40, ST40, PC8, SP10 | conventional + follow SD | 1. VAS 2. THI |
| 马圆(2018), China(6) | Chronic(<5 years), ND, ND | 37 | EA | GB12, GB20, GB8, TE3, TE5, GB34, GB41, 颈夹脊, TE17, GB2, LI11, BL23, KI3, ST36, SP6, LI4 | ND + follow SD | 1. VAS 2. THI 3. TSIS |
| Wang Yuemei(2021), China(7) | Chronic(3-12 months), ND, THI>18 and with hearing level of>25dB and neurogenic | 120 | Warm needling | GB2, TE17, SI19, GB20, BL23, SP6, LR2, GB44, ST36, BL20, PC6, LR3 | ND | 1. THI |
| 张璐(2019), China(8) | Varied(1 week-2 years), ND, idiopathic and tinnitus degree 2≤ | 60 | AT + Auricular acupuncture | SI19, GB2, TE21, TE17, GB12, GV20, Ex-HN1, GV16, GV9, GV4, BL23, PC6, KI3 | ND | 1. THI |
| 郑良玉(2019), China(9) | ND, ND, ND | 60 | EA | SI19, GB2, TE5, TE3, TE17, GV20, BL10, 颈夹脊穴, GB20, GV16, LI4, LR3, GB40, ST40, SP9 | ND | 1. VAS 2. THI |
| 朱梦蝶(2017), China(10) | ND, ND, without hearing loss | 60 | EA + medication | TE21, SI19, GB2, TE17 | literature | 1. THI 2. ABR |
| 张雅婷, et al.(2023), China(11) | ND, right-handed, subjective, TEQ 2-5 | 80 | AT+EA | GV15, GV20, SI19, GB11, GB8 | ND | (1) TEQ  (2) THI  (3) VAS |

Abbreviations: ND: Not described, AT: acupuncture treatment, TCM: traditional Chinese medication, SDS: zung self-rating depression scale, IRT: infrared thermography, MYMOP: Measure Your Medical Outcome Profile, CGI-I: Clinical Global Impression-Improvement scale, EA: electro-acupuncture treatment, TEOAE: transient evoked otoacoustic emissions, TSIS: tinnitus severity assessment scale, ABR: Auditory Brainstem Response

**Open-label RCTs**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author (year), Country | Included patients(period, direction, character of tinnitus) | Sample size | Control intervention(TG/CG) | Acupoints | Criteria for treatment | Outcomes |
| TU(2019), China(12) | 3 months<, one or both sides, ND | 30 | AT(deep) / AT(shallow) | GV20, GV24, TE5, GB41, GB2 | ND | 1. THI 2. HRV |
| Bong Hyun Kim(2017), korea(13) | 2 weeks<, ND, idiopathic | 42 | AT / periauricular EA / distal EA | TE17, TE21, SI19, GB2, GB8, TE3, TE9, ST36, ST37 | previous study, TCM model | 1. VAS 2. THI |
| Young-Kyun Moon , Bong Hyun Kim (2020), Korea(14) | Chronic(6 months<), ND, consecutive | 45 | AT / EA / TENS | TE21, SI19, GB2, TE22, ST7, TE17, KI3, TE5, GB20 | previous study | 1. VAS 2. THI 3. PTA 4. SDa |
| Mohammad Berjis Ghahfarokhi(2018), China(15) | 2 months<, one or both sides, ND | 64 | AT / medication | TE17, GB2, ST6, ST7, GB34, TE5, GB20, Ex-HN1, LV3, GB43, LI4, LI11, KI6, PC6, CV12, ST40 | conventional + follow SDb | 1. VAS 2. THI |
| Tsoi Mo Ning(2018), China(16) | 3 months<, ND, ND | 60 | EA / AT | TE21, SI19, KI3, KI6 | literature | 1. VAS 2. THI |
| 耿坚雯, 王黎(2018), China(17) | ND, ND, ND | 60 | AT + H-med / AT | TE21, SI19, GB2, TE17, GB12, GB20, TE5, TE3, GB34, LR3, GB41 | ND | 1. THI |
| 高嘉琳, 翟军(2018), China(18) | ND, ND, ND | 136 | EA / Warm needling | GB2, TE3, SI19, GB43, TE21, 競风, GB20, GV20, 豁风 | ND | 1. THI |
| 高云竹(2015), China(19) | 0.5-3 years, ND, THI>18 and subjective | 60 | EA / medication | TE21, SI19, GB2, TE17, TE3, GB43, GB20, TE5, LI4, LR2, GB40, GB41, ST40, ST44, 皆俞, KI3, CV4, CV6, ST36, BL20 | ND | 1. THI |
| 郭佳(2018), China(20) | 2 years<, ND, idiopathic and 脾胃虚弱型 or 肾精亏虚型 | 60 | AT / AT | SI19, TE17, GB8, GV20, LI4, LR3, ST36, SP6, KI3, CV12, CV10, CV6, CV4, ST24, SP15, KI17, KI13, KI19 | literature | 1. THI 2. TSIS 3. HAMA |
| DUAN Sheng-de et al.(2016), China(21) | 3 months<, ND, ND | 53 | Warm needling / medication | TE21, 中白, 下白 | ND | 1. VAS 2. THI |
| 梁修朗(2018), China(22) | ND, ND, ND | 60 | AT / medication | GV20, TE21, GB2, TE17, CV6, PC6, ST25, LR3, ST36, SP6 | ND | 1. THI 2. HAMA 3. HAMD |
| 鲁佳(2019), China(23) | 3 months-1 year, ND, ND | 64 | AT + Burning acupuncture / AT | TE21, SI19, GB2, TE17, TE3, GB43, GB20, TE5, LI4, LR2, GB40, GB41, ST40, ST44, BL23, KI3, CV4, CV6, ST36, BL20, TE1, GB44 | literature | 1. THI 2. TEQ |
| 刘佳慈(2018), China(24) | ND, ND, 肾精亏虚型 | 70 | AT / AT | SI19, TE17, KI3, BL23 | literature | 1. THI |
| 刘仕伟(2019), China(25) | ND, ND, ND | 66 | AT + H-med / H-med | GB2, GB3, GB8, GB20, GB43, LR3, TE17, TE21, TE3, TE5 | literature | 1. VAS 2. THI 3. TEQ 4. SAS 5. SDS |
| LIU Yan(2020), China(26) | 3 months<, ND, ND | 76 | AT / AT | TE21, SI19, GB2, TE17, TE3, GB43, CV6, ST36, BL20, : 指驷马穴, 阴阳九针小周天, 阴阳九针耳双针, 三叉三穴, 中白穴, 下白穴 | conventional | 1. THI 2. HADS 3. PSQI |
| Liu Yong(2016), China(27) | ND, ND, neurogenic and 肾精亏虚型 | 60 | AT / AT | TE21, TE17, TE3, GB43, KI3, CV4, BL23 이혈: 肾, 肝, 胆, 三焦, 内耳, 外耳, 颞, 皮质下 | literature | 1. THI |
| LI Li, et, al(2018), China(28) | 7 days<, ND, neurogenic | 80 | AT + moxa / medication | 翳聪, 耳灵, GB2, TE20, TE17, SI19, ST36, SP9, CV6, LR3 GB34, KI3, BL23, ST40, LR2, LI11, GV14 | TCM model +follow SDb | 1. THI |
| LI Xin(2017), China(29) | ND, ND, 頸原性 | 160 | AT + massage + H-med / H-med | GB20, GV16, GV14, TE17, SI19, TE21, TE5, LI4, LR3, ST40, SP6, ST36, GB40 | ND | 1. THI 2. TCD |
| LI Jing(2016), China(30) | ND, ND, ND | 101 | AT / AT / physical therapy(laser, ultrashort wave) | SI19, GB2, TE17, TE3, TE5, GB43, LR3, GB40 | ND | 1. THI |
| LI Jing-jing(2019), China(31) | <1 year, ND, neurogenic | 90 | AT / H-med | TE17, GB8, TE20, TE3, TE5, ST36, SP6, LR3 | ND | 1. THI 2. 耳鸣频率检查(이명주파수검사) 3. LM |
| 李珍珍(2018), China(32) | 6-24 months, ND, idiopathic and tinnitus degree 2-4 | 66 | AT / AT | TE21, SI19, GB2, TE17, GV20, CV17, CV6, ST36, TE5, LI4, GB40, LR3, ST44, ST40, KI7, KI3, CV12 | conventional + follow SDb | 1. VAS 2. THI |
| 李鑫(2021), China(33) | Acute(<3 months), ND, idiopathic and 肝胆火旺型 | 60 | AT + collateral bloodletting / AT | GV20, GV24, TE21, SI19, GB2, TE20, TE17, TE5, KI9, GB40, LR3, GB41, Ex-HN6 | conventional | 1. VAS 2. THI 3. TEQ |
| 马莉, 陈玉(2020), China(34) | ND, ND, with a hearing level of 25dB< & THI 18≤ | 90 | AT / AT / medication | GB2, TE21, SI19, GB20, TE17, LR2, GB44, PC6, LR3，BL23, SP6, ST36, BL20 | ND | 1. THI 2. 耳鸣频率检查(이명주파수검사) |
| FAN Xiao-li(2014), China(35) | ND, ND, subjective | 68 | AT + H-med / medication | TE21, SI19, GB2, TE17, TE3, BL23, CV4, LR3, GB40, HT8, HT9, ST36, SP6 | ND + follow SDb | 1. THI 2. SCL-90 |
| 伏云鹤(2019), China(36) | 3 months-3 years, one or both sides, kidney-essence deficiency and neurological | 70 | AT / AT | KI13, CV12, CV10, CV6, CV4, KI17, ST24, KI19, TE17, SI19, GB2, TE21, GB8, TE3, GB43, KI3, BL23 | literature | 1. VAS 2. THI 3. TSQ |
| 封宇(2020), China(37) | <6 months, ND, ND | 60 | AT / AT | TE21, SI19, GB2, GB12, TE17, TE3, TE2, GB43, GB42, LR3, KI1, GB40, KI6 | literature | 1. VAS 2. THI 3. TEQ |
| SHI Lei(2016), China(38) | ND, ND, idiopathic and liver qi stagnation pattern/syndrome | 384 | AT / AT | GV20, GB8, SI19, GB2, TE18, GB34, TE3 | conventional | 1. THI 2. HAMA |
| 聂晓琳(2019), China(39) | 2 weeks-2 years, ND, with sudden deafness | 32 | AT / H-med | TE21, SI19, GB2, GB8, TE17, GB20, TE5, TE3 | ND | 1. VAS 2. THI 3. TEQ 4. PSQI 5. PTA 6. SAS |
| 宋珊(2021), China(40) | ND, ND, neurogenic | 66 | AT / AT | 颈夹脊穴(C3～6), SI19, GB2, GB12, TE21, TE17 | literature | 1. THI 2. TEQ |
| SONG Chun-xia(2020), China(41) | 1-12 months, ND, neurogenic tinnitus due to phlegm stasis blocking collaterals | 80 | AT + H-med / none | TE21, SI19, GB2, CV12, ST40, SP10, TE17, TE3, Ex-HN1 | ND | 1. THI 2. TSQ |
| 申一鸣(2018), China(42) | (repeated 1 month≤ or continuous 5 days≤) & less than 1 year, ND, idiopathic | 40 | intradermal needle / medication | TE21, TE17, GB20, KI3, BL23, SP10 | ND | 1. VAS 2. THI 3. TRQ 4. THQ 5. TQ 6. DASS-21 |
| CHEN Surong(2018), China(43) | repeated 1 month≤ or continuous 5 days≤, ND, idiopathic and tinnitus degree 2≤ | 60 | AT + H-med / H-med | TE21, SI19, GB2, TE17, 头部晕听区, TE3, GV20 | ND | 1. THI 2. TSS |
| 安声潘(2019), China(44) | ND, ND, idiopathic | 62 | AT / AT | 耳聋, TE21, SI19, GB2, 縣风, TE3, GB43, LI4, LR3 | conventional | 1. THI 2. TEQ 3. HAMA |
| 於力(2018), China(45) | <3 months, ND, idiopathic | 60 | AT / H-med | TE21, GB2, SI19, TE3, TE5, KI3, GB39 | ND | 1. THI 2. SAS 3. PSQI |
| 王琳(2020), China(46) | 1-24 months, ND, neurogenic | 60 | AT / AT | SI19, TE17, TE3, GB20, LR3, TE5 | ND | 1. THI |
| 王芳瑜(2017), China(47) | ND, ND, ND | 60 | AT / AT | GV20, GV16, GV14, GB2, TE17, TE3, TE5, LI4, LR2, GB40, ST40, GB34, SP10, LR3, GB43, KI3, KI6, ST36, SP6, Ex-HN1, TE21, SI19, GB12, HT7, PC6 | literature | 1. VAS 2. THI 3. SAS |
| WANG Hao(2018), China(48) | ND, ND, neurogenic and 肾精亏虚型 | 86 | AT + medication / medication | TE17, GB2, GB43, TE3, KI3, KI6, SI19, BL23, CV4, SP6, SP10, BL17, ST36, CV6, BL20, CV12, ST40, ST7 | ND | 1. THI |
| WANG Xiaoling(2016), China(49) | ND, ND, idiopathic | 54 | AT + physical therapy / AT | SI19, GB2, TE17, GB43, TE3, LR3, LI11, ST40, ST44, BL18, BL23, KI3, ST36, CV12, BL20, BL21, TE21 | literature | 1. THI |
| YAO Yanling(2020), China(50) | 9 days-1 month, ND, 心肝火旺 | 90 | AT + bloodletting / AT / medication | TE17, BL15, BL18, SI19, GB2, TE3, GB43, HT7, PC6, LR3 | literature | 1. THI 2. HAMA 3. HAMD |
| 尹韬(2013), China(51) | ND, ND, subjective | 50 | AT / AT | TE17, TE21, GB2, TE6, TE3, LI4 | ND | 1. VAS 2. THI |
| 尹韬(2015), China(52) | 3 months≤, ND, subjective | 50 | AT(deep) / AT(shallow) | TE17, GB2, TE21, TE6, TE3, LI4 | ND | 1. VAS 2. THI |
| 张觉予(2018), China(53) | ND, ND, 肾精亏损型 | 66 | AT / AT | BL15, CV14, BL23, GB25, BL28, CV3, BL27, KI3, KI7, TE21, SI19, GB2, TE17, TE3, GB43 | ND | 1. THI |
| Zhang Xiuyun(2017), China(54) | ND, ND, 肾精亏损型 | 30 | AT + Auricular acupuncture + moxa / AT | TE21, SI19, GB2, TE17, LI4, GB20, GB40, ST40, BL21, ST36, BL23, KI3, TE3, CV12, CV10, CV6, CV4 이혈 : 肾上腺, 交感, 肾, 内耳, 肝, 外耳, 内分泌, | ND | 1. THI |
| Zhang Shun(2020), China(55) | <6 months, ND, ND | 72 | AT / AT | SI19, TE3, KI3, TE17, BL23 | literature | 1. THI |
| 张宁(2018), China(56) | ≤5 years , ND, 3≤TEQ and 2≤THI | 55 | AT / AT | TE21, SI19, GB2, TE17, GB20, LR3, ST40, ST36 | ND | 1. THI 2. TEQ |
| 张前福(2019), China(57) | ND, ND, 肾精亏损型 | 78 | AT / AT | 董氏奇穴 : 驷马, 肾关, TE21, SI19, GB2, TE17, TE3, GB43, KI3, CV4 | ND | 1. THI 2. HAMA 3. PSQI |
| 张会会(2017), China(58) | ND, ND, neurogenic and 肾精亏虚型 | 60 | AT + moxa / AT | TE3, SI19, GB2, TE17, BL23, KI3, CV4 | literature | 1. THI |
| Ting Ho(2019), China(59) | ND, ND, neurogenic and 肾精亏损型 | 100 | AT / H-med | GV20, Ex-HN3, SI19, PC6, CV6, CV4, KI3, TE21, GB2, TE17, GB20, GB12 | ND | 1. THI 2. THQ |
| CAO Yi(2014), China(60) | ND, ND, ND | 98 | AT / EA / medication | GV20, GB20, GV16, TE17, GB12, SI19, GB2, TE6, TE3, LI4, TE5, LR3, GB40, ST40, PC8, KI3, SP6, SP9 | ND | 1. VAS 2. THI |
| 钟玉梅(2018), China(61) | repeated 1 month≤ or continuous 5 days≤, ND, neurogenic | 60 | AT / AT + moxa | TE17, GB2, TE3, ST36, LR3 | ND | 1. THI |
| 钟玉梅, et al.(2019), China(62) | repeated 1 month≤, ND, ND | 60 | AT + moxa / AT | TE17, GB2, TE3, ST36, LR4 | ND | 1. THI |
| Zhong Ziqi(2017), China(63) | ND, ND, 肾精亏虚型 | 60 | AT + Auricular acupuncture / AT | BL23, KI3, CV4, TE21, SI19, GB2, TE17, TE3 이혈 : 肾, 皮质下, 内耳, 外耳, 肝, 胆, 三焦, | literature | 1. THI |
| Zhou wen(2016), China(64) | <2 years , ND, neurogenic | 60 | AT / AT | SI19, GB2, TE17, GB20, LI4, TE5, LR2, GB40, GB41, ST40, ST44, BL23, KI3, CV4, CV6, ST36, BL20 | ND | 1. THI |
| Zhou Chaoxiong(2014), China(65) | ND, ND, ND | 60 | EA / EA | GB12, SI19, GB2, TE21, TE3, GB43 | literature | 1. THI |
| 周航(2017), China(66) | 6-36 months, ND, neurogenic and 肝火上扰型 and neurogenic | 64 | EA / AT | TE3, TE21, SI19, GB2, TE17, GB43 | literature | 1. THI |
| ZHOU Xiao-ming(2016), China(67) | ND, ND, ND | 82 | intradermal needle / Injection(medication) | 鼻鍼 : 颈肩, 上肢, 心肺, 肝胆, 脾胃, 二指肠, 肾, 腰腹, 下腹, 腿, 足, 肾 | experience of clinical acupuncturists | 1. THI |
| 朱喜艳(2020), China(68) | <5 year, one or both sides, simple | 82 | AT / medicaiton | TE21, GB2, SI19, SP10, ST40, TE3, TE17, Ex-HN1 | ND | 1. THI 2. SDS 3. SAS 4. SF-36 |
| 陈丽华(2015), China(69) | 3 months-10 year, ND, ND | 55 | AT + H-med / H-med | SI19, GB2, TE21, TE17, GB12, GV20, Ex-HN1, GB43, LR3, LR2, ST40, GB34, ST44, CV4, KI3, KI6, ST36, CV6, SP6, SP10 | literature | 1. THI |
| 蔡琼珊(2014), China(70) | ND, ND, neurogenic tinnitus | 41 | EA / AT | LI19, ST7, 牵正, TE21, GB2, SI19, BL23, TE3 | literature | 1. THI 2. PTA |
| 崔秀亭(2015), China(71) | repeated 1 month≤ or continuous 5 days≤, ND, 感音神经性 and 肾精亏损型 | 72 | AT / AT | GV20, GV24, SI3, SI9, ST36, CV12, ST40, SP6, KI3, KI7, CV4, TE21, GB2, TE17, TE3, GB43 | literature | 1. THI |
| Cui Yong(2021), China(72) | ND, one or both sides, neurogenic | 76 | AT + H-med / medication | GB2, SI19, ST40, TE17, SP10, TE3, Ex-HN1 | TCM model | 1. THI |
| Shen Mingxue(2017), China(73) | Chronic, ND, idiopathic | 72 | AT + moxa / AT | 后线, GB2, GB31, 肾关(양릉천下 1.5寸), TE5, TE3, GB20, LI4, LR2, GB40, GB41, ST40, ST44, KI3, CV4, CV6, ST36, SI19, TE17, GB43 | TCM model | 1. THI |
| HE Danhong(2019), China(74) | 3 months-1 year, one or both sides, subjective | 100 | AT + H-med / H-med | SI19, GB2, TE17, TE21, LR3, LI4, BL20, ST36, SP6, BL23, KI3 | TCM model | 1. THI |
| Ye Yonghao(2017), China(75) | <1 year, one side, spleen&stomach weakness type | 66 | AT / AT | KI19, ST24, KI17, SP15, 上风湿点, KI13, SI19, TE17, TE5, LI4, LR3, ST40, KI3, BL23, ST36 | Follow SDb | 1. THI |
| 胡微(2020), China(76) | Acute(<3 months) , one or both sides, idiopathic and kidney essence deficiency model | 60 | AT + moxa / medicaiton | GB2, TE21, TE17, GB20, BL20, BL21, ST36, CV12 | Follow SDb | 1. THI 2. TEQ 3. PTA |
| HUANG Shanshan(2020), China(77) | <6 months, one or both sides, subjective | 60 | AT / AT | SI19, TE17, KI3, BL23, PC7, HT7, GV20, Ex-HN3 | TCM model | 1. THI |
| XIN Meiqian(2018), China , BAO Yehua ,CHU Jiamei , et al, China(78) | Acute(<6 months) , one or both sides, subjective | 60 | AT / AT | SI19, GB2, TE17 | TCM model | 1. VAS 2. THI |
| 李金飞, et al.(2021), China(79) | Chronic(3 months<), ND, idiopathic, 脾胃虚弱 | 160 | AT + acupoint pressure, external H-med / medication | TE21, SI19, GB2, TE17, ST36, SP6, GV20, CV12, CV6, ST25 | ND | 1. THI, 2. TEQ, 3. HAMA, 4. PSQI |
| 王承惠, et al.(2021), China(80) | ND,ND, idiopathic, 肝气郁结 | 74 | AT + H-med / H-med | SI19, TE21, GB2 | ND | 1. THI |
| 姚卫杰, et al.(2021), China(81) | Chronic(6 months <), ND, idiopathic, 肝火上扰, TEQ 2≤ | 78 | AT / medication | TE21, SI19, TE17, GB12, TE3, LR3 | ND | 1. THI 2. TEQ |
| 建江岩(2022), China(82) | Chronic(3 months <), ND, neurogenic, tinnitus degree 2≤ | 118 | EA+medication / medication | TE17, SI19, GB2, LR3, GB40, TE3, ST36, CV6, BL20, BL17, SP10, BL23, CV4 | ND, follow SD | 1. THI |
| 李成龙, et al.(2022), China(83) | ND,ND,subjective | 90 | Warm needling+medication/ Warm needling(changes of moxibustion dose) | GB2, TE17, GB20, GV20, GB43, TE3 | literature | 1. THI, 2. TEQ, 3. PTA |
| 潘嘉欣, et al.(2022), China(84) | 1 year >, ND, idiopathic, 肾精亏虚, TEQ 2-4 | 60 | AT/AT | HN1-GB2, GV20-TE20, HN1-TE18, KI3, BL23 | TCM model | 1. THI |
| 王茗茗, et al.(2022), China(85) | 7 days <, ND, neurogenic, THI 18≤, with a hearing level of 25dB < | 76 | AT+medication / medication | TE21, GB2, SI19, GB12, TE17  KI6, KI3, GB43, LR3 | ND, follow SD | (1) THI,  (2) 耳鸣频率检查,  (3) SAS,  (4) SDS |
| 王小月, et al.(2022), China(86) | ND,ND, senile, 老年肾虚 | 124 | AT ,EA +rTMS, moxibustion, cupping, medication / medication | CV12, CV6, CV4, ST25,  TE21, SI19, GB2, TE17, GV23, CV24, PC8 | ND | 1. TSIS, 2. VAS, 3. THI, 4. SF-36 |
| 洪秋阳, et al.(2022), China(87) | Acute(3 months >), ND, neurogenic | 70 | AT , warm AT, bloodletting+ medication/ AT+medication | AT : SI19, GV20, GV24, GB2, LI4, GB41, TE17, TE3, LR3  Warm AT : GB12, GB20, TE17  Bloodletting : HN6 | Experience of clinical acupuncturists | 1. TEQ, 2. THI, 3. VAS, 4. HAMA, 5. PSQI |
| 刘仕伟, et al.(2022), China(88) | ND,ND, subjective, idiopathic, 肝气郁结 | 66 | AT+ H-med / H-med | GB2, GB3, GB8, GB20, GB43, LR3, TE17, TE21, TE3, TE5 | ND | 1. TEQ, 2. THI, 3. VAS, 4. SAS, 5. SDS |
| 刘娟, et al.(2022), China(89) | ND,ND, 肾精亏虚 | 98 | AT / AT | TE21, SI19, GB2, TE17, CV4, BL23 KI3, BL58, BL64, KI4 | TCM model | 1. THI |
| 杨春梅, et al.(2022), China(90) | Acute(3 months >), ND, neurogenic | 48 | AT + medication, rTMS / medication | TE21, SI19, GB2, TE17, GB20, TE3, TE5 | ND | 1. THI, 2. VAS, 3. SAS, 4. AIS |
| 武峙璇, et al.(2023), China(91) | 3 years >, ND, subjective, have MTrPs | 60 | AT / AT | Ashi(MTrPs), TE21, SI19, GB2, GV20, HN1, GB20, TE17, TE3, LR3, | TCM model | 1. THI, 2. TEQ, 3. SAS, 4. VAS |
| 范红霞, et al.(2023), China(92) | ND, ND, neurogenic, 肝气郁结 | 104 | AT + 调息法 / medication | TE21, SI19, GB2, TE17, LR3, GB40, TE3 | TCM model | 1. THI |
| 王林林, et al.(2023), China(93) | Chronic(12 months <), ND, idiopathic, 脾肾两虚 | 83 | AT/ AT | GV20, HN1, TE21, GB2, LU9, PC6, ST36, CV12, ST25, CV6, CV4, GB34, SP6, KI7, KI3, KI6, SP6, KI6, BL62, TE17, ST40, ST37 | TCM model | 1. TEQ, 2. THI |
| 王成芳, et al.(2023), China(94) | 1 month <, ND, neurogenic, 肾精亏损 | 80 | AT+medication/ medication | GV20, HN3, CV4, CV6, PC6, KI3, SI19 | TCM model | 1. THI, 2. PSQI |
| 王玥, et al.(2023), China(95) | Chronic(3 months <), ND, cervical, TFI 25-90, NBQ ≥14 | 86 | AT / AT | CV12, CV10, CV6, CV4, SP15, KI19, CV11, KI17, ST24  GB2, TE17, GB8, TE3, GB40, KI3 | TCM model | 1. THI, 2. TFI, 3. NBQ |
| 刘广宇,et al.(2023), China(96) | Chronic(1 year <), ND, subjective, 脾胃虚弱, right-handed, with a hearing level of 35dB <, THI≥38 | 65 | AT + narrowed-band noise masking, cognitive behavioral Therapy/ narrowed-band noise masking, cognitive behavioral Therapy | GB2, GB8, KI3, SP3, TE17, TE6 | TCM model | 1. SAS, 2. SDS, 3. MMSE, 4. THI, 5. PSQI |
| 谢雪萍,et al.(2023), China(97) | ND, ND, neurogenic | 60 | AT + medication / medication | GB20, TE17, GB12, LI4, GV24, GB13, GB2, GB43, TE21, TE3  TE5, GV14, LR3, GB40, ST40, ST44, PC6, SP10, BL23, KI3  ST36, CV6 | ND, follow SD | 1. THI, 2. VAS, 3. SAS, 4. HAMD |
| 陈炳力, et al.(2023), China(98) | ND, ND, 肝火上扰 | 60 | AT / AT | TE21, SI19, GB2, TE17, LR3, LR2 | Experience of clinical acupuncturists | 1. THI, 2. TEQ, 3. SAS |
| Ali Mohamed Ali Ismail(2023), Egypt(99) | Chronic(6 months <), ND, idiopathic, subjective, BMI > 30 kg/m 2 | 60 | AT+EA / sham A(placebo) | TE3, TE5, TE17, TE18, TE19, TE20, TE21, TE22, GB2, GB8, GB20, LI4, LI11, KI3, SP6, ST36, ST25, GB28, CV4, CV9, CV12 | Previous study | 1. THI, 2. VAS |
| Enikö Julia Manz  (2021), Germany(100) | Acute(<3 months), one or both sides, subjective, idiopathic tinnitus | 48 | AT/care group | KI3, KI6, KI7, TE1, TE5, TE17, TE19, TE21, SP2, SP8, HT7, LI3, LI4, LI11, SI3, SI19, SP3, SP4, SP6, SP10, LU7, LU9, LR2, LR3, LR8 | Traditional Chinese medicine model | 1. VAS 2. Mini TQ-12 3. TFI 4. Tinnitus loudness |
| 尚艳杰, et  al.(2021), China(101) | 30 days <, ND, 脾虚 | 60 | Warm needling+ H-med / H-med | TE21, SI19, GB2, TE17, ST36, CV6 | ND | 1. THI |

TG : Treatment group, CG : Control group, ND : Not described, AT : acupuncture treatment, TCM : traditional Chinese medication, HRV : Heart rate variability, EA : electro-acupuncture treatment, TENS : transcutaneous electrical nerve stimulator, PTA : Pure-tone audiometry, SDa : speech discrimination, SDb : syndrome differentiation, TSIS : tinnitus severity assessment scale, HAMA : Hamilton Anxiety Scale, HAMD : Hamilton Depression Scale, TEQ : Tinnitus Evaluation Questionnaire, SAS : Zung Self-Rating Anxiety Scale, SDS : Zung self-rating depression scale, HADS : Hospital Anxiety and Depression Scale, PSQI : Pittsburgh sleep quality index, TCD : transcranial doppler, LM : tinnitus loudness matching, SCL-90 : Symptom Check List-90-Revised, TSQ : Tinnitus severity Questionnaire, TRQ : Tinnitus response questionnaire, THQ : Tinnitus hinder questionnaire, TQ : Tinnitus questionnaire, DASS-21 : depression - Anxiety - Stress Scale, TSS : tinnitus severity score, SF-36 : Short Form (36) Health Survey.

Summary of included domestic articles (double-blind RCTs)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First Author (year), Country | Included patients(period, direction, character) | Sample size (TG/CG) | Control intervention (TG/CG), | Acupoints | Criteria for treatment | Outcomes | Results(before Tx/after Tx)‡ | p value§ |
| Laureano (2016), Brasil(102) | Chronic(least 3 months), one or both sides, subjective, and continuous | 30/27 | AT/sham A(placebo) | GV20, TE17, GB8, SI19, GB2, TE21, CV23, GB20, TE2, TE5, SI2, GB43, GB41, GV4, KI3, BL23, BL19, BL18, CV4 | Traditional Chinese medicine model | 1. THI 2. VAS 3. SPECT scan 4. HAS 5. BDI | (1)48.00±19.45/33.19±17.53  (2)6.22±2.36/5.72±2.48  (3)ND  (4)21.60±11.38/18.30±11.20  (5)13.13±10.00/11.09±9.55 | (1)Sigb  (2)NAb  (3)NAb  (4)NAb  (5)NAb |
| Sun Woo Jeon (2012), Korea(103) | Chronic(least 6 months), both sides, 18–60 years old, and without moderate or severe hearing loss | 17/16 | AT/sham A(placebo) | GB2, GB12, GB20, GB21, GV14, GV15, GV16, GV20, TE17, TE21, TE22, SI19, BL2, LI20, Ex-HN3 | ND | 1. THI 2. VAS 3. PTA 4. SD | (1)24.36±27.51a  (2)29.35±23.41a  (3)ND  (4)ND | (1)NA  (2)Sig  (3)NA  (4)NA |
| Ihsan Kuzucu, (2020), Turkey(104) | Chronic(least 1 year), one or both sides, THI>38 | 53/52 | AT/sham A(placebo) | TE21, SI19, GB2, TE22, ST7, TE17, GB20, TE5, KI3 | Traditional chinese medicine model | 1. THI 2. VAS 3. PTA 4. SD | (1)61.11±12.70/40.26±16.56  (2)7.26±0.98/3.66±1.38  (3)ND  (4)ND | (1)Sig  (2)Sig  (3)NA  (4)NA |
| Naderinabi (2018), Iran(105) | Chronic(least 6 months), one or both sides, non-pulsatile tinnitus | 44/44 | AT/sham A(placebo) | GB2, GB20, TE21, SI19, TE17, TE3, TE5, LI4, SI6 | ND | 1. Tinnitus loudness/VAS 2. TSI | (1)9.56±0.43/2.25±0.27  (2)43.84±2.81/23.11±1.03 | (1)Sig  (2)Sig |
| Mehrdad  Rogha(2011),  Iran(106) | Chronic, ND, ND | 27/27 | AT/sham A(placebo) | TE17, GB2, SI19, TE21 | Traditional chinese medicine model | 1. TSI 2. Tinnitus loudness/VAS | 1. 46.9±7.9/31.7±11.1 2. 8.9±1.3/5.3±3 | (1)Sig  (2)Sig |

Abbreviations: TG: Treatment group, CG: Control group, ND: Not described, C-med: Chinese medication, TSI: Tinnitus severity index, HAS: Hamilton Anxiety Scale, BDI: Beck Depression Inventory, PTA: Pure-Tone Audiometry, SD: Speech Discrimination, TEQ: Tinnitus Evaluation Questionnaire, Mini TQ-12: Mini Tinnitus Questionaire-12, TFI: Tinnitus Functional Index, Tx: treatment

‡Mean±Standard deviation, a : mean percent change of THI or VAS from baseline to 3 months after, b : statistically significant (p＜0.05) change from before treatment

§ Sig (Significant) indicates statistically significant (p＜0.05) compared with CG; NA Sig (Not significant) indicates no statistically significance difference between TG and CG.

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