| 1 | Clinical Practice Guideline: | Acupuncture Point Injection Therapy (APIT) | | | |
|--------|-------------------------------------|--|--|--|--|
| 2 3 | Date of Implementation: | July 16, 2009 | | | |
| 4 5 | Product: | Specialty | | | |
| 6 7 | | | | | |

8 GUIDELINES

American Specialty Health – Specialty (ASH) clinical committees have determined that
acupuncture point injection therapy (APIT) is not medically necessary for any indications.
Based on the available literature, it has been determined that APIT is no more effective
than acupuncture. Acupuncture, for the purposes of this policy, refers to solid needles
without injection. Additionally, the safety profile of APIT has not been established.

15 DESCRIPTION/BACKGROUND

Acupuncture point injection therapy (APIT) is a procedure in which pharmaceuticals, 16 vitamins, herbal extracts, or other liquid agents are injected—using a syringe and needle— 17 into intramuscular, intradermal, or subcutaneous tissue at a site corresponding to the 18 location of an acupuncture point. It emerged in China during the 1950's as an 19 20 amalgamation of traditional Chinese medicine (TCM) and modern biomedicine. According to Sha et al (2016), adherents hypothesize that the injected fluid enhances the effect of 21 acupuncture by creating an additional synergistic effect thought to have longer and more 22 sustainable effects than needling alone. There are several agents that are commonly used 23 for injections. These include saline, pharmaceutical agents (e.g., botulinum, cortisone, and 24 lidocaine), biological agents (e.g., herbal extracts and vitamins) and homeopathic 25 remedies. The purpose of this policy is to provide a scientific overview and assessment of 26 the current evidence base for the safety and effectiveness of APIT. 27

28

31

Within the United States of America, the professional requirements for performing APITand the agents approved for injection vary widely by state.

32 EVIDENCE REVIEW

Most of the evidence from randomized controlled trials (RCTs) is equivocal because of underpowered RCTs and subjective outcomes.

35

One study conducted by Xu in 2005 for premenstrual syndrome demonstrated injections of huangqi (astragalus root) at acupuncture points ST 36 & SP 6 along with acupuncture was more effective than drug therapy. Another study conducted by Zhou et al.(2007) for trigeminal neuralgia found injections of vitamin B12 at acupuncture point ST 7 more effective than drug therapy (Tegretol). Wade et al. (2016) completed an RCT of acupuncture point injection treatment for primary dysmenorrhea. The investigators attempted to determine if injection of vitamin K3 in an acupuncture point is optimal for the treatment of primary dysmenorrhea, when compared to 2 other injection treatments (saline acupuncture point injection and vitamin K3 deep muscle injection). Patients in each group received 3 injections at a single treatment visit. Patients in all 3 groups experienced pain relief from the injection treatments. The authors concluded that acupuncture point injection of vitamin K3 relieved menstrual pain rapidly and may be a useful treatment.

6

Hou et al. (2015) studied acupoint injection of onabotulinumtoxin A (BoNTA) for 7 migraines. The purpose of this study was to evaluate and compare the effectiveness of fixed 8 (muscle)-site and acupoint-site injections of BoNTA for migraine therapy in a randomized, 9 double-blinded, placebo-controlled clinical trial extending over four months. Subjects with 10 11 both episodic and chronic migraines respectively received a placebo (n = 19) or BoNTA (2.5 U each site, 25 U per subject) injection at fixed-sites (n = 41) including 12 occipitofrontalis, corrugator supercilii, temporalis and trapezius, or at acupoint-sites (n =13 42) including Yintang (EX-HN3), Taiyang (EX-HN5), Baihui (GV20), Shuaigu (GB8), 14 Fengchi (GB20) and Tianzhu (BL10). BoNTA injections at fixed-sites and acupoint-sites 15 significantly reduced the migraine attack frequency, intensity, duration, and associated 16 symptoms for four months compared with placebo (p < 0.01). The efficacy of BoNTA for 17 migraines in the acupoint-site group (93% improvement) was more significant than that in 18 the fixed-site group (85% improvement) (p < 0.01). BoNTA administration for migraines 19 20 is effective, and at acupoint-sites shows more efficacy than at fixed-sites. Further blinded studies are necessary to establish the efficacy of a low dose toxin (25 U) introduced with 21 this methodology in chronic and episodic migraines. 22

23

24 The four systematic reviews evaluated varied greatly in their rigor and methodology. Two showed minimal evidence in support of injection therapy (Bernstein, 2001; Lee et al., 25 2005). One showed no evidence of further therapeutic effect from regular needling 26 (Cummings and White, 2001) and one demonstrated neither strong evidence for nor against 27 injection therapy (Staal et al., 2008). In 2009, Staal et al. concluded that the effectiveness 28 of injection therapy for low back pain is still debatable and there is insufficient evidence to 29 support its use for low back pain. They suggest however, that there may be a sub-group of 30 patients who may benefit from it. 31

32

Bernstein (2001) proclaimed support for APIT, though the study was flawed. While it did assess the included studies per evidence-based medical guidelines, there were at least 15 disparate surgical and injection interventions included without any aggregation of the data. Only two interventions were relevant with minimal evidence: (1) local glycosaminoglycan injection for lateral epicondylitis and (2) nonspecific injections for painful shoulder showed limited (level 3) evidence supporting efficacy.

39

Lee et al. (2005) did not follow standards of systematic reviews by including 10 studies (out of 15) based on animal research with minimal assessment of the remaining clinical trials. Only two studies, one each for rheumatoid arthritis and osteoarthritis, were RCTs

Page 2 of 9

1 and those were underpowered, with one only using self-reported subjective measures as

2 outcomes.

3 Wang et al (2015) performed a systematic review of the effectiveness of APIT with 4 Vitamin B12 for patients with incomplete recovery from Bell's Palsy. The investigators 5 found that APIT with B12 was superior to acupuncture alone. The results suggested that 6 29% of Bell's Palsy patients who received APIT with B12 were more likely to achieve 7 complete recovery than those with acupuncture alone. The main outcome measure was a 8 favorable improvement of at least two (2) points in the House-Brackmann scale. (or an 9 equivalent score using an alternate scoring system). Among the five (5) studies evaluated 10 11 in the review, the sample sizes were small ranging between 30 and 38. The authors reported that due to the methodological issues and insufficient sample sizes for the studies included, 12 their results were unreliable and further research is called for with more rigorous study 13 14 designs.

15

Du and Liu (2021) evaluated the effects of injecting acupuncture points with mecobalamin on the motor function of 60 participants who had suffered from cerebrovascular accidents. The control group was treated with conventional stroke therapies. Injections were administered once a day for fourteen days. Acupoint therapy was found to improve neurological deficits and motor function in the lower extremities, activities of daily living and quality of life more than conventional treatment.

22

Zhai, et. al. (2022) randomly divided forty participants with diabetic neuropathy into two 23 groups of twenty each. One group received intramuscular mecobalamin injections into 24 muscles surrounding the hip and the second group was given acupuncture injections of 25 mecobalamin at Zusanli (stomach 36) acupuncture points bilaterally. Outcomes were 26 measured by the Toronto Clinical Neuropathy Score and diffusion tensor imaging (MRI-27 DTI) at baseline and 2 weeks after treatments. The neuropathy scores in both groups 28 decreased and the difference in reduction between the two groups was not significant. The 29 MRI-DTI parameters showed that acupuncture injection with mecobalamin had greater 30 therapeutic effects on the neuropathy than the intramuscular injections. 31

32

A number of more recent systematic reviews and one meta-analysis demonstrate better adherence to methodological quality, yet they all similarly conclude that although individual studies may seem promising, a reliable conclusion about the effectiveness of APIT may not be drawn at this time. Further research of better quality must occur first. (Wang et al., 2015; Cho et al., 2018; Huang et al., 2019; Xie et al, 2020; Yang et al., 2020).

Xue et. al. (2023) studied 90 patients undergoing laparoscopic sleeve gastrectomy with general anesthesia. Two thirds of the patients were randomized to receive anisodamine injections into the ST 36 acupuncture point and the other third became the control group. Post-operative nausea and vomiting at days 1-3 and 3 months was monitored. Other outcomes such as recovery from anesthesia, gastrointestinal function, sleep quality, anxiety, depression, and other complications were measured. Forty two percent of patients in the treatment group experienced vomiting compared with 72.4% of the control group. The treatment group required less antiemetic medication and had a longer delay in needing the first dose as compared to the control group. Neither the incidence of nausea nor the other recovery indicators were different between the treatment and control group.

8 SAFETY

Acupuncture point injection therapy (APIT) has greater safety concerns than acupuncture. 9 These concerns include inappropriate injection agent selection, allergic or other adverse 10 11 reactions to the injected substance, and improper injection site and/or technique. The literature includes harmful effects from injection therapy such as an outbreak of 12 methicillin-resistant Staphylococcus aureus (MRSA) (Murray et al., 2008), sciatic nerve 13 injury causing drop foot (Sobel et al., 1997), and respiratory depression and hemiplegia 14 due to pneumocephalus (Nelson and Hoffman, 1998). In 2015, an outbreak of thirty-three 15 cases of extrapulmonary tuberculosis infection in China was traced to APIT (Jia et al., 16 2015). 17

18

In their qualitative review, Sha et al (2016) noted an increase in reports of adverse effects during their review period between 2010 and 2015. The safety of APIT has not been established; however, APIT inherently poses more risk for adverse events than acupuncture. APIT, while considerably riskier than acupuncture, seems to be relatively safe with the application of appropriate aseptic procedure to avoid infection and needle insertion safety guidelines to avoid organ puncture.

25

26 **PRACTITIONER SCOPE AND TRAINING**

Practitioners should practice only in the areas in which they are competent based on their education training and experience. Levels of education, experience, and proficiency may vary among individual practitioners. It is ethically and legally incumbent on a practitioner to determine where they have the knowledge and skills necessary to perform such services and whether the services are within their scope of practice.

32

It is best practice for the practitioner to appropriately render services to a patient only if they are trained to competency, equally skilled, and adequately competent to deliver a service compared to others trained to perform the same procedure. If the service would be most competently delivered by another health care practitioner who has more skill and training, it would be best practice to refer the patient to the more expert practitioner.

- 38
- Best practice can be defined as a clinical, scientific, or professional technique, method, or process that is typically evidence-based and consensus driven and is recognized by a
- 41 majority of professionals in a particular field as more effective at delivering a particular

outcome than any other practice (Joint Commission International Accreditation Standards 1 for Hospitals, 2020). 2 3 Depending on the practitioner's scope of practice, training, and experience, a patient's 4 condition and/or symptoms during examination or the course of treatment may indicate the 5 need for referral to another practitioner or even emergency care. In such cases it is essential 6 for the practitioner to refer the patient for appropriate co-management (e.g., to their primary 7 care physician) or if immediate emergency care is warranted, to contact 911 as appropriate. 8 See the Managing Medical Emergencies (CPG 159 - S) clinical practice guideline for 9 information. 10 11 References 12 Bernstein, RM. Injections and Surgical Therapy in Chronic Pain. Clinical Journal of Pain. 13 14 2001 Dec., 17(4):S94-S104 15 Birch, S. Trigger Points Should Not Be Confused with Acupoints. J Altern Complement 16 Med 2008 May; 14(4):343-5 17 18 19 Chen, CJ, Yu, HS. Acupuncture Treatment of Urticaria. Arch Dermatol. 1998;134(11):1397-1399 20 21 Cho KH, Kim TH, Jung WS, Moon SK, Ko CN, Cho SY, Jeon CY, Choi TY, Lee MS, Lee 22 23 SH, Chung EK, Kwon S. Pharmacoacupuncture for Idiopathic Parkinson's Disease: A Systematic Review of Randomized Controlled Trials. Evid Based Complement 24 Alternat Med. 2018 Jun 25;2018:3671542 25 26 Collee, G, Dijkmans, BA, Vandenbroucke, JP, Cats, A. Iliac crest pain syndrome in low 27 back pain. A double blind, randomized study of local injection therapy. J Rheumatol 28 29 1991; 18(7):1060–3 30 Cui, Y, Feng, Y, Chen, L, Zhou, Y, Yang, XQ, He, J, Sun, YH, Zheng, W. [Randomized 31 32 and controlled research of Chinese drug acupoint injection therapy for erectile dysfunction]. Zhongguo Zhen Jiu 2007 Dec; 27(12):881-5 33 34 Dorsher, PT. Can classical acupuncture points and trigger points be compared in the 35 36 treatment of pain disorders? Birch's analysis revisited. J Altern Complement Med 2008 May; 14(4):353-9 37 38 39 Du J, Liu Y. Application of Data Mining in the Effect of Traditional Chinese Medicine on the Rehabilitation of Cerebral Spasticity of Lower Extremity Exercise Energy. J 40 Healthc Eng. 2022 Feb 18;2022:9746906. Doi: 10.1155/2022/9746906. PMID: 41 35222900; PMCID: PMC8881165 42

Page 5 of 9

| 1 | Gibson, RG, Gibson, SLM. Neural Therapy in the Treatment of Multiple Sclerosis. Journal | | | | | |
|----------|--|--|--|--|--|--|
| 2 | of Alternative and Complementary Medicine December 1999; 5(6): 543-552. | | | | | |
| 3 | doi:10.1089/acm.1999.5.543 | | | | | |
| 4 | | | | | | |
| 5 | Handa T, Ichinohe T. Acupuncture Combined with Trigger Point Injection in Patient with | | | | | |
| 6 | Chronic Myofascial and Referred Pain. Bull Tokyo Dent Coll. 2020 Jul 4:61(2):121- | | | | | |
| 7 | 126. doi: 10.2209/tdcpublication.2019-0017. Epub 2020 Jun 5. PMID: 32507780 | | | | | |
| 8 | | | | | | |
| 9 | Hou M, Xie JF, Kong XP, Zhang Y, Shao YF, Wang C, Ren WT, Cui GF, Xin L, Hou YP. | | | | | |
| 10 | Acupoint injection of onabotulinumtoxin A for migraines. Toxins (Basel). 2015 Oct | | | | | |
| 11 | 30;7(11):4442-54 | | | | | |
| 12 | | | | | | |
| 13 | Hu J. Shen Y. Zhang G. He J. Sun M. Zhang H. Hua B. Zheng H. Effect of acupoint | | | | | |
| 14 | therapies on chemotherapy-induced nausea and vomiting: A systematic review | | | | | |
| 15 | protocol. Medicine (Baltimore), 2019 Sep:98(37):e17109 | | | | | |
| 16 | | | | | | |
| 17 | Huang R. Li X. Xu S. Li D. Yan P. Liu B. Xie X. Yang K. Acupoint injection treatment | | | | | |
| 18 | for primary osteoporosis: a systematic review and meta-analysis of randomized | | | | | |
| 19 | controlled trials. Ann Palliat Med. 2019 Nov:8(5):586-595 | | | | | |
| 20 | | | | | | |
| 21 | lia Z. Chen S. Hao, C. Huang, Y. Liu, Z. Pan, A. Liao, R. Wang, X. Lu, Z. Outbreak of | | | | | |
| 22 | extrapulmonary tuberculosis infection associated with acupuncture point injection | | | | | |
| 22 | Clin Microbiol Infect 2015 Apr:21(4):349-53 doi: 10.1016/j.cmi.2014.10.023 Epub | | | | | |
| 23 | 2014 Nov 14 PMID: 25677256 | | | | | |
| 25 | 2014 NOV 14. 1 MID. 25077250 | | | | | |
| 25 | Kwon VB Kim IH Voon IH et al. The analgesic efficacy of hee venom acupuncture for | | | | | |
| 20 | knee osteoarthritis: a comparative study with needle acupuncture Am I Chin Mad 2001: | | | | | |
| 27 | 2001, 2001, 2001 | | | | | |
| 20 | | | | | | |
| 29 | Kwon VR Lee ID Lee HI Han HI Mar WC Kang SK Beitz AI Lee IH Beevenom | | | | | |
| 21 | injection into an acupuncture point reduces arthritis associated edema and pocicentive | | | | | |
| 22 | responses Pain 2001: 00: 271-280 | | | | | |
| 32 22 | Tesponses. <i>Full</i> 2001, 90. 271-280 | | | | | |
| 22 | Les ID Bark HI Chee V Lim S An Overview of Bee Venem Asymptotype in the | | | | | |
| 34 25 | Treatment of Arthritic aCAM 2005: 2(1): 70.84 | | | | | |
| 35 | Treatment of Artifitus. $eCAM 2005$; $2(1)$: 79-84 | | | | | |
| 30 | Les CH Henry CL Wing CV et al Dandensing desertabled deschlabilität stades of her | | | | | |
| 37 | Lee, SH, Hong, SJ, Kim, SY, et al. Randomized controlled double blind study of bee | | | | | |
| 38 20 | venom merapy on meumatoid arunnus J Kor Acu Mox Soc 2003; 20: 80–8 | | | | | |
| 39 | Lies I Weng T. Deng W. Veng I. Zhang I. Li I. Chen I. Li I. Li D. M. V. Zhang Y. T. | | | | | |
| 40 | Liao J, wang I, Dong W, Yang J, Zhang J, Li L, Chen J, Li J, Li D, Ma Y, Zhang X, Tang X, Jang X, Jang D, Cuo Y, Aquanint injection for perspecific sharping law hash acting A | | | | | |
| 41 | A, Jiang B, Guo Y. Acupoint injection for nonspecific chronic low back pain: A | | | | | |
| 42 | protocol of systematic review. Medicine (Baltimore). 2019 Jul;98(29):e164/8. doi: | | | | | |

Page 6 of 9

| 1 2 | 10.1097/MD.000000000016478. Erratum in: Medicine (Baltimore). 2019 Nov;98(45):e18084. PMID: 31335709; PMCID: PMC6709064 | | | | | | | | |
|-------------|--|--|--|--|--|--|--|--|--|
| 3 4 5 | Liu, Z. [Botulinum toxin A (BTX-A) point injection for treatment of the third lumbar transverse process syndrome]. <i>Zhongguo Zhen Jiu</i> 2008 May; 28(5):337-9 | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | Murray, RJ, Pearson, JC, Coombs, GW, Flexman, JP, Golledge, CL, Speers, DJ, Dyer, JR, | | | | | | | | |
| 8 | McLellan, DG, Reilly, M, Bell, JM, Bowen, SF, Christiansen, KJ. Outbreak of invasive | | | | | | | | |
| 9 | incumentation interest and the second state interest interest and interest interest interest in the second state interest interest in the second state interest int | | | | | | | | |
| 10 | joint injection. Infect Control Hosp Epidemiol 2008 Sep; 29(9):859-65. Nelson, LS, | | | | | | | | |
| 11 | Hoffman, RS. Intrathecal injection: unusual complication of trigger-point injection | | | | | | | | |
| 12 | therapy. Ann Emerg Mea 1998 Oct; 32(4):506-8 | | | | | | | | |
| 13 | Den II Change EV. Oirs C. [Clinical sharesting on Chinese days around initiation for | | | | | | | | |
| 14 | Ken, H, Cheng, FK, Qiu, C. [Clinical observation on Chinese drug acupoint-injection for | | | | | | | | |
| 15 | treatment of acquired adducent paralysis]. <i>Zhongguo Zhen Jiu 2</i> 008 Jan; 28(1):41-3 | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | Scott NA, Guo B, Barton PM, Gerwin RD. Irigger point injections for chronic non- | | | | | | | | |
| 18 | malignant musculoskeletal pain: a systematic review. Pain Med. 2009 Jan;10(1):54-69 | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | Sha T, Gao LL, Zhang CH, Zheng JG, Meng ZH. An update on acupuncture point injection. | | | | | | | | |
| 21 | QJM. 2016 Oct;109(10):639-641 | | | | | | | | |
| 22 | | | | | | | | | |
| 23 | Shyr, MH, Hsu, JC, Wu, YW, Hui, YL, Tan, PP. [P6 acupoint injection reduced | | | | | | | | |
| 24 | postoperative nausea and vomiting]. Ma Zui Xue Za Zhi 1990 September; 28(3): 357– | | | | | | | | |
| 25 | 360 | | | | | | | | |
| 26 | | | | | | | | | |
| 27 | Sobel, E, Huang, EY, Wieting, CB. Drop foot as a complication of acupuncture injury and | | | | | | | | |
| 28 | intragluteal injection. Journal of the American Podiatric Medical Association 1997; | | | | | | | | |
| 29 | 87(2): 52-59 | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | Sternfeld, M, Finkelstein, Y, Hai, E, Hod, I. Tension Headache Treated by Anti- | | | | | | | | |
| 32 | Inflammatory Drug Injected into GB 20 Acupuncture Point. American Journal of | | | | | | | | |
| 33 | Chinese Medicine 1986; 14(3/4): 1/1-1/4 | | | | | | | | |
| 34 | | | | | | | | | |
| 35 | Wade C, Wang L, Zhao WJ, Cardini F, Kronenberg F, Gui SQ, Ying Z, Zhao NQ, Chao | | | | | | | | |
| 36 | MT, Yu J. Acupuncture point injection treatment of primary dysmenorrhoea: a | | | | | | | | |
| 37 | randomised, double blind, controlled study. BMJ Open. 2016 Jan 5;6(1):e008166 | | | | | | | | |
| 38 | | | | | | | | | |
| 39 | Wang, L, Zhao, WJ, Yu, Y, Cardini, F, Forcella, E, Regalia, AL, Wade, C. Vitamin K | | | | | | | | |
| 40 | Acupuncture Point Injection for Severe Primary Dysmenorrhea: An International Pilot | | | | | | | | |
| 41 | Study. <i>MedGenMed</i> 2004; 6(4): 45 | | | | | | | | |

Page 7 of 9

| 1 2 | Wang LL, Guan L, Hao PL, Du JL, Zhang MX. Acupuncture and vitamin B12 injection for Bell's palsy: no high-quality evidence exists. Neural Regen Res. 2015 |
|----------|---|
| 3 4 | May;10(5):808-13 |
| 5 | Wang LQ, Chen Z, Zhang K, Liang N, Yang GY, Lai L, Liu JP. Zusanli (ST36) Acupoint |
| 6 | Injection for Diabetic Peripheral Neuropathy: A Systematic Review of Randomized |
| 7 | Controlled Trials. J Altern Complement Med. 2018 Dec;24(12):1138-1149 |
| 8 | |
| 9 | Wang M, Gao YH, Xu J, Chi Y, Wei XB, Lewith G, Liu JP. Zusanli (ST36) acupoint |
| 10 | injection for preventing postoperative ileus: A systematic review and meta-analysis of |
| 11 | randomized clinical trials. Complement Ther Med. 2015 Jun;23(3):469-83 |
| 12 | |
| 13 | Wang, SM, Kain, ZN. P6 acupoint injections are as effective as droperidol in controlling |
| 14 | early postoperative nausea and vomiting in children. Anesthesiology 2002 Aug; |
| 15 | 97(2):359-66 |
| 16 | |
| 17 | Wang, XL, Zhang, TF, Zhang, HX, Mao, HR, Huang, GF. [Therapeutic effects of acupoint |
| 18 | injection at cervical Jiaji points and effects on ET and CGRP in the patient of ischemic |
| 19 | stroke]. Zhongguo Zhen Jiu 2007 Feb; 27(2):93-5 |
| 20 | |
| 21 | Wu, B, Jiang, CH, Zhou, QY, Chen, QM, Shu, Y, Li, X, Lu, YH. [Treatment of residual |
| 22 | neuralgia of herpes zoster by ear point taping and pressing therapy combined with |
| 23 | acupoint-injection]. Zhongguo Zhen Jiu 2007 Nov; 27(11):807-9 |
| 24 | |
| 25 | Xie G, Wang T, Tang X, Guo X, Xu Y, Deng L, Sun H, Ma Z, Ai Y, Jiang B, Li L, Luo |
| 26 | W, Huang W, Xia Y, Zhao H, Wang X, Guo Y, Liao J. Acupoint Injection for |
| 27 | Nonspecific Chronic Low Back Pain: A Systematic Review and Meta-Analysis of |
| 28 | Randomized Controlled Studies. Evid Based Complement Alternat Med. 2020 Oct |
| 29 | 28;2020:3976068 |
| 30 | |
| 31 | Xu, 1Z. [Clinical therapeutic effect of point-injection combined with body acupuncture on |
| 32 | premenstrual tension syndromej. Znongguo Znen Jiu 2005 Apr; 5(4):253-4 |
| 33 | Ver O Vine O Dens I. Con M Zhang V Wei V I's D Weng V Chan H He V I in H |
| 34 | Xue Q, Xing Q, Dong L, Guo M, Zhang X, Wei X, Jia B, Wang Y, Chen H, Hu X, Liu H, |
| 35 | Zhang Y, Wong GIC, Huang C. S136 acupoint injection with anisodamine for |
| 36 | postoperative nausea and vomiting in remaie patients after bariatric surgery: a |
| 3/ | doi: 10.1007/200464.022.10027.6 Enub.2022. Arr. 24. DMID: 27005224; DMCID: |
| 38 20 | doi: 10.1007/s00404-025-10057-0. Epub 2025 Apr 24. PMID: 57095254; PMCID: DMC10229617 |
| 39 40 | I WIC10330017 |
| 40 41 | Vang T. Zhao, I. Guo, O. Wang, V. Si, G. Acupoint injection treatment for non-dialysis |
| 42 | dependent chronic kidney disease: A meta-analysis of randomized controlled trials. |

Page 8 of 9

| 1 | Medicine | (Baltimore). | 2020 | Dec | 18;99(51) |):e23306. | doi: |
|----|------------------|-------------------|--------------|--------------|---------------|-------------|-------------|
| 2 | 10.1097/MD.0 | 0000000002330 |)6. PMID: 3 | 33371063; H | PMCID: PM | C7748216 |) |
| 3 | | | | | | | |
| 4 | Zhai Y, Yu W, Sh | en W. Diffusion 7 | Tensor Imag | ging Evaluat | es Effects of | f Acupoint | Injection |
| 5 | at Zusanli (ST | 36) for Type 2 I | Diabetic Per | ripheral Net | ropathy. M | ed Sci Mo | onit. 2022 |
| 6 | Jun 29;28:e9 | 35979. Doi: 10 |).12659/MS | M.935979. | PMID: 3 | 5765223; | PMCID: |
| 7 | PMC9252098 | | | | | | |
| 8 | | | | | | | |
| 9 | Zhou, CS, Kong, | DQ, Han, ZY. [C | linical obse | rvation on a | acupoint inje | ection of V | itB12 for |
| 10 | treatment of tr | igeminal neuralgi | a]. Zhongg | uo Zhen Jiu | 2007 Sep; 2 | 27(9):668- | 70 |
| 11 | | | | | _ | | |
| 12 | Zou, R, Zhang, | HX, Zhang, T | F, Xu, Y | [Observat | tion on the | erapeutic | effect of |
| 13 | electroacupun | cture combined | with acup | oint-injecti | on on acut | te gouty | arthritis]. |
| 14 | Zhongguo Zhe | n Jiu 2007 Jan; 2 | 7(1):15-7 | | | | |
| | | | | | | | |