



Subject: Complementary and Alternative Medicine

Revision Date: 12/25

DESCRIPTION

Complementary and alternative medicine (CAM) include healing approaches and therapies that historically have not been included in Western medicine. According to the Merck Manual, as many as 38% of adults and 12% of children have used CAM at some point, depending on how broadly CAM is defined.

DEFINITIONS

Complementary medicine refers to non-mainstream practices used together with conventional medicine.

Alternative medicine refers to non-mainstream practices used instead of conventional medicine.

Integrative medicine is health care that uses all appropriate therapeutic approaches—conventional and non-mainstream—within a framework that focuses on health, the therapeutic relationship, and the whole person.

POLICY

OSU Health Plan does not cover the following alternative medicine interventions either because (1) the service is specifically excluded per the OSU Faculty and Staff Health Plans Specific Plan Details Document (SPD), (2) the services is delivered by a professional who is not included in the definition of a provider per the SPD, or (3) the service is considered experimental and investigational due to inadequate evidence in the peer-reviewed published medical literature of their effectiveness (not all-inclusive):

- Aromatherapy
- Art therapy
- Ayurveda
- Bioidentical hormones
- Cellular therapy
- Colonic irrigation (colonic cleansing, colonic lavage)
- Equestrian therapy (hippotherapy, equine therapy)
- Exercise classes
- Hair analysis
- Hypnosis
- Massage Therapy
- Music therapy
- Prolotherapy
- Remedial reading
- Sarapin injections
- Therapeutic camping
- Virtual reality procedural dissociation

Also, refer to *MMPP 12.0 Acupuncture*, *MMPP 13.0 Chiropractic* and *MMPP 15.0 Recreational Therapy*.

PROCEDURE

Luminare will process claims according to this policy.

PRIOR AUTHORIZATION

Services listed in this policy are not covered.

EXCLUSIONS

See policy section above for detail.

CODES

The following codes are not covered (not all-inclusive):

Code	Code Description
0736T	Colonic lavage, 35 or more liters of water, gravity-fed, with induced defecation, including insertion of rectal catheter
0771T	Virtual reality (VR) procedural dissociation services provided by the same physician or other qualified health care professional performing the diagnostic or therapeutic service that the VR procedural dissociation supports, requiring the presence of an independent, trained observer to assist in the monitoring of the patient's level of dissociation or consciousness and physiological status; initial 15 minutes of intraservice time, patient age 5 years or older
0772T	Virtual reality (VR) procedural dissociation services provided by the same physician or other qualified health care professional performing the diagnostic or therapeutic service that the VR procedural dissociation supports, requiring the presence of an independent, trained observer to assist in the monitoring of the patient's level of dissociation or consciousness and physiological status; each additional 15 minutes intraservice time (List separately in addition to code for primary service)
0773T	Virtual reality (VR) procedural dissociation services provided by a physician or other qualified health care professional other than the physician or other qualified health care professional performing the diagnostic or therapeutic service that the VR procedural dissociation supports; initial 15 minutes of intraservice time, patient age 5 years or older

0774T	Virtual reality (VR) procedural dissociation services provided by a physician or other qualified health care professional other than the physician or other qualified health care professional performing the diagnostic or therapeutic service that the VR procedural dissociation supports; each additional 15 minutes intraservice time (List separately in addition to code for primary service)
90880	Hypnotherapy
G0176	Activity therapy, such as music, dance, art or play therapies not for recreation, related to the care and treatment of patient's disabling mental health problems, per session (45 minutes or more)
H0051	Traditional healing service
M0075	Cellular therapy
M0076	Prolotherapy
P2031	Hair analysis (excluding arsenic)
S8940	Equestrian/hippotherapy, per session
S9451	Exercise classes, nonphysician provider, per session
T2036	Therapeutic camping, overnight, waiver; each session
T2037	Therapeutic camping, day, waiver; each session

REFERENCES

Aetna. (2024). Complementary and Alternative Medicine. Retrieved from

http://www.aetna.com/cpb/medical/data/300_399/0388.html

Cai, Y., Li, L., Xu, C., & Wang, Z. (2020). The effectiveness of non-pharmacological interventions on apathy in patients with dementia: A systematic review of systematic reviews. *Worldviews on Evidence-Based Nursing*, 17(4), 311-318.

"Faculty and Staff Health Plans Specific Plan Details Document." The Ohio State University Office of Human Resources, Sept. 2023. Web. <https://hr.osu.edu/wp-content/uploads/medical-spd.pdf>

Millstine, D. (2018). Overview of Integrative, Complementary, and Alternative Medicine, Merck Manual.

Retrieved from <https://www.merckmanuals.com/professional/special-subjects/integrative,-complementary,-and-alternative-medicine/overview-of-integrative,-complementary,-and-alternative-medicine>

Aromatherapy:

- Aarshageetha, P., Janci, P.R.R., & Tharani, N.D. (2023). Role of alternate therapies to improve the quality of life in menopausal women: A systematic review. *J Midlife Health*, 14(3), 153-158. https://doi.org/10.4103/jmh.jmh_222_22
- Abdelhakim, A. M., Hussein, A. S., Doheim, M. F., & Sayed, A. K. (2020). The effect of inhalation aromatherapy in patients undergoing cardiac surgery: A systematic review and meta-analysis of randomized controlled trials. *Complementary Therapies in Medicine*, 48, 102256. <https://doi.org/10.1016/j.ctim.2019.102256>
- Abushukur, Y., Cascardo, C., Ibrahim, Y., Teklehaimanot, F., & Knackstedt, R. (2022). Improving breast surgery outcomes through alternative therapy: A systematic review. *Cureus*, 14(3), e23443. <https://doi.org/10.7759/cureus.23443>
- Acharya, R., Blackwell, S., Simoes, J., Harris, B., Booth, L., Bhangu, A., & Glasbey, J. (2024). Non-pharmacological interventions to improve sleep quality and quantity for hospitalized adult patients-co-produced study with surgical patient partners: Systematic review. *BJS Open*, 8(2), zrae018. <https://doi.org/10.1093/bjsopen/zrae018>
- Adams, A.M.N., Chamberlain, D., Grønkjær, M., Brun Thorup, C., & Conroy, T. (2023). Nonpharmacological interventions for agitation in the adult intensive care unit: A systematic review. *Aust Crit Care*, 36(3), 385-400. <https://doi.org/10.1016/j.aucc.2022.02.005>
- Ahg, J.H., & Kim, M. (2023). Effects of aromatherapy on cancer patients' sleep and fatigue: A systematic review and meta-analysis. *J Integr Complement Med*, 29(4), 212-223. <https://doi.org/10.1089/jicm.2022.0601>
- Ahn, J.H., & Kim, M. (2024). Effects of aromatherapy on anxiety in patients with cancer: A systematic review and meta-analysis of randomized controlled trials. *European Journal of Integrative Medicine*, 65(Jan 2024), 102323. <https://doi.org/10.1016/j.eujim.2023.102323>
- Ahn, J.H., Kim, M., & Kim, R.W. (2024). Effects of aromatherapy on nausea and vomiting in patients with cancer: A systematic review and meta-analysis of randomized controlled trials. *Complementary Therapies in Clinical Practice*, 55, 101838. <https://doi.org/10.1016/j.ctcp.2024.101838>
- Ajoudani, F., Rezaei, S. A., & Maslarpak, M. H. (2020). Non-pharmacological interventions for anxiety in burn patients: A systematic review and meta-analysis of randomized controlled trials. *Complementary Therapies in Medicine*, 49, 102341. <https://doi.org/10.1016/j.ctim.2020.102341>

- AlMohammed, H.I., Alanazi, N.A., Maghrabi, E.F., & Alotaibi, M.A. (2022). Role of aromatherapy as a natural complementary and alternative therapy in cardiovascular disease: A comprehensive systematic review. *Evidence-Based Complementary and Alternative Medicine*, 2022, 4543078. <https://doi.org/10.1155/2022/4543078>
- Amin, A., Amraei, M., Shahijan, M.K., Nadri, S., & Moradifar, N. (2022). The effects of aromatherapy on patients undergoing coronary angiography: A systematic review of clinical trials. *Journal of Herbmed Pharmacology*, 11(1), 1-9. <https://doi.org/10.34172/jhp.2022.01>
- Ardekani, Z.S., Mirzaee, F., & Ghazanfarpour, M. (2024). A review of randomised clinical trials on the effect of aromatherapy in obstetrics. *Australian Journal of Herbal and Naturopathic Medicine*, 36(1), 13-19. <https://doi.org/10.33235/ajhnm.36.1.13-19>
- Ariaifar, M., Ramezani, M., & Talebi-Boroujeni, P. (2022). Role and mechanism of aromatherapy on hemodynamic parameters for patients with cardiovascular disease: A systematic review. *Journal of Shahrekord University of Medical Sciences*, 24(2), 93-99. <https://doi.org/10.34172/jsums.2022.15>
- Armstrong, M., Flemming, K., Kupeli, N., Stone, P., Wilkinson, S., & Candy, B. (2019). Aromatherapy, massage and reflexology: A systematic review and thematic synthesis of the perspectives from people with palliative care needs. *Palliative Medicine*, 33(7), 757-769. <https://doi.org/10.1177/0269216319846440>
- Arslan, H.N., & Çelik, S.Ş. (2024). Nonpharmacological nursing interventions in postoperative nausea and vomiting: A systematic review. *J Perianesth Nurs*, 39(1), 142-154. <https://doi.org/10.1016/j.jopan.2023.06.096>
- Asay, K., Olson, C., Donnelly, J., & Perlman, E. (2019). The use of aromatherapy in postoperative nausea and vomiting: A systematic review. *Journal of PeriAnesthesia Nursing*, 34(3), 502-516. <https://doi.org/10.1016/j.jopan.2018.08.006>
- Babakhanian, M., Fakari, F. R., Mortezaee, M., Khaboushan, E. B., Rahimi, R., Khalili, Z., Khorasani, F., Ghazanfarpour, M., & Kopaei, M. R. (2019). The Effect of Herbal Medicines on Postpartum Depression, and Maternal-Infant Attachment in Postpartum Mother: A Systematic Review and Meta-Analysis. *International Journal of Pediatrics*, 7(7), 9645-9656. <https://doi.org/10.22038/ijp.2019.38414.3298>
- Backhouse, T., Dudzinski, E., Killett, A., & Mioshi, E. (2020). Strategies and interventions to reduce or manage refusals in personal care in dementia: A systematic review. *International Journal of Nursing Studies*, 109, 103640. <https://doi.org/10.1016/j.ijnurstu.2020.103640>
- Bakó, E., Fehérvári, P., Garami, A., Dembrovszky, F., Gunther, E.E., Hegyi, P., Csupor, D., &

Böszörményi, A. (2023). Efficacy of topical essential oils in musculoskeletal disorders: Systematic review and meta-analysis of randomized controlled trials. *Pharmaceuticals*, 16(2), 144. <https://doi.org/10.3390/ph16020144>

Ball EL, Owen-Booth B, Gray A, Shenkin SD, Hewitt J, McCleery J. Aromatherapy for dementia.

Cochrane Database of Systematic Reviews 2020, Issue 8. Art. No.: CD003150. DOI: 10.1002/14651858.CD003150.pub3.

Baykal, D., & Çömlekçi, N. (2023). Non-pharmacologic approaches to sleep problems for palliative care cancer patients: A systematic review. *Florence Nightingale J Nurs*, 31(2), 131-137.

<https://doi.org/10.5152/FNJN.2023.23051>

Bayülgen, M.Y., & Gün, M. (2022). Effect of complementary and integrative treatments on fatigue symptoms in hemodialysis patients: A systematic review. *Holist Nurs Pract*, 36(1), 17-27.

<https://doi.org/10.1097/HNP.0000000000000489>

Behzadmehr, R., Dastyar, N., Moghadam, M. P., Abavisani, M., & Moradi, M. (2020). Effect of complementary and alternative medicine interventions on cancer related pain among breast cancer patients: A systematic review. *Complementary Therapies in Medicine*, 49, 102318.

<https://doi.org/10.1016/j.ctim.2020.102318>

Bellon, F., Mora-Noya, V., Pastells-Peiró, R., Abad-Corpa, E., Gea-Sánchez, M., & Moreno-Casbas, T. (2021). The efficacy of nursing interventions on sleep quality in hospitalized patients: A systematic review of randomized controlled trials. *International Journal of Nursing Studies*, 115, 103855. <https://doi.org/10.1016/j.ijnurstu.2020.103855>

Bihani, T., Tandel, P., & Wadekar, J. (2021). Plumeria obtusa L.: A systematic review of its traditional uses, morphology, phytochemistry and pharmacology. *Phytomedicine Plus*, 1(2), 100052.

<https://doi.org/10.1016/j.phyplu.2021.100052>

Blackman, J., Swirski, M., Clynes, J., Harding, S., Leng, Y., & Coulthard, E. (2021). Pharmacological and non-pharmacological interventions to enhance sleep in mild cognitive impairment and mild Alzheimer's disease: A systematic review. *Journal of Sleep Research*, 30(4), e13229.

<https://doi.org/10.1111/jsr.13229>

Bordbar, M., Fereidouni, Z., Morandini, M. K., & Kalyani, M. N. (2020). Efficacy of complementary interventions for management of anxiety in patients undergoing coronary angiography: A rapid systematic review. *Journal of Vascular Nursing*, 38(1), 9-17.

<https://doi.org/10.1016/j.jvn.2019.12.005>

Bouya, S., Ahmadidarehsima, S., Badakhsh, M., Balouchi, A., & Koochakzai, M. (2018). Effect of aromatherapy interventions on hemodialysis complications: A systematic review.

- Burger, P., Van de Ende, E.S., Lukman W., Burchell, G.L., Steur, L., Polderman, J., Merten, H., Twisk, J., Nanayakkara, P., & Gemke, R. (2023). How to improve sleep in regular care wards: A systematic review and meta-analysis of sleep disturbers and non-pharmacological interventions. *Acute Med*, 22(4), 209-257. PMID: 38284637.
- Cai, H., Xi, P., Zhong, L., Chen, J., & Liang, X. (2020). Efficacy of aromatherapy on dental anxiety: A systematic review of randomised and quasi-randomised controlled trials. *Oral Diseases*, 27(4), 829-847. <https://doi.org/10.1111/odi.13346>
- Campbell, P., Moss, J., Mulder, M., Roach, L., Wilson, N., Jacob, A., & Miles, H. (2020). The effectiveness of complementary and alternative medicine in the symptom management of pruritus in patients with end-stage kidney disease: A systematic review. *Renal Society of Australasia Journal*, 16(2), 58-68. <https://doi.org/10.33235/rsaj.16.2.58-68>
- Candy, B., Armstrong, M., Flemming, K., Kupeli, N., Stone, P., Vickerstaff, V., & Wilkinson, S. (2020). The effectiveness of aromatherapy, massage and reflexology in people with palliative care needs: A systematic review. *Palliative Medicine*, 34(2), 179-194. <http://dx.doi.org/10.1177/0269216319884198>
- Cao, X., Zhou, J., Liu, J., Chen, H., & Zheng, W. (2023). Aromatherapy in anxiety, depression, and insomnia: A bibliometric study and visualization analysis. *Heliyon*, 9(7), e18380. <https://doi.org/10.1016/j.heliyon.2023.e18380>
- Çetinkaya, B. (2021). Complementary and alternative therapies for infantile colic: A systematic review of the literature. *Alternative Therapies in Health and Medicine*, 27(2), 42-27.
- Cha, H., Kim, S., Seo, M.-S., & Kim, H.-S. (2021). Effects of olfactory stimulation on cognitive function and behavior problems in older adults with dementia: A systematic literature review. *Geriatric Nursing*, 42(5), 1210-1217. <https://doi.org/10.1016/j.gerinurse.2021.07.003>
- Chen, J.J., Lee, T.H., Tu, Y.K., Kuo, G., Yang, H.Y., Yen, C.L., Fan, P.C., & Chang, C.H. (2022). Pharmacological and non-pharmacological treatments for restless legs syndrome in end-stage kidney disease: A systematic review and component network meta-analysis. *Nephrol Dial Transplant*, 37(10), 1982-1992. <https://doi.org/10.1093/ndt/gfab290>
- Chen, S. -F., Wang, C. -H., Chan, P. -T., Chiang, H. -W., Hu, T. -M., Tam, K. -W., & Loh, E. -W. (2019). Labour pain control by aromatherapy: A meta-analysis of randomised controlled trials. *Women and Birth*, 32(4), 327-335. <https://doi.org/10.1016/j.wombi.2018.09.010>

- Cho, K., & Kim, M. (2023). Effects of aromatherapy on depression: A meta-analysis of randomized controlled trials. *Gen Hosp Psychiatry*, 84, 215-225.
<https://doi.org/10.1016/j.genhosppsych.2023.08.003>
- Choi, J., Lee, J. A., Alimoradi, Z., & Lee, M. S. (2018). Aromatherapy for the relief of symptoms in burn patients: A systematic review of randomized controlled trials. *Burns*, 44(6), 1395-1402.
<https://doi.org/10.1016/j.burns.2017.10.009>
- Chow, R., Huang, E., Li, A., Li, S., Fu, S. Y., Son, J. S., & Foster, W. G. (2021). Appraisal of systematic reviews on interventions for postpartum depression: Systematic review. *BMC Pregnancy and Childbirth*, 21(1), 1-11. <https://doi.org/10.1186/s12884-020-03496-5>
- Cooke, M., Ritmala-Castrén, M., Dwan, T., & Mitchell, M. (2020). Effectiveness of complementary and alternative medicine interventions for sleep quality in adult intensive care patients: A systematic review. *International Journal of Nursing Studies*, 107, 103582.
<https://doi.org/10.1016/j.ijnurstu.2020.103582>
- Corasaniti, M.T., Bagetta, G., Morrone, L.A., Tonin, P., Hamamura, K., Hayashi, T., Guida F., Maione, S., & Scuteri, D. (2023). Efficacy of essential oils in relieving cancer pain: A systematic review and meta-analysis. *Int J Mol Sci*, 24(8), 7085. <https://doi.org/10.3390/ijms24087085>
- Czakert, J., Stritter, W., Blakeslee, S.B., & Seifert, G. (2022). Plant fragrances are like music for our senses: A scoping review of aromatherapy in gynecologic cancers and breast cancer care. *J Inter Complement Med*, 28(5), 377-390. <https://doi.org/10.1089/jicm.2021.0368>
- da Silva, M. A., de Sousa Sombra, I. V., da Silva, J. S. J., da Silva, J. C. B., de Melo Dias, L. R. F., Calado, R. S. F., Albuquerque, N. L. A., & de Menezes Silva, G. A. (2019). Aromatherapy for pain relief during labor. *Journal of Nursing UFPE / Revista de Enfermagem UFPE*, 13(2), 455-463. <https://doi.org/10.5205/1981-8963-v13i2a237753p455-463-2019>
- Deyno, S., Mtewa, A. G., Abebe, A., Hymete, A., Makonnen, E., Bazira, J., & Alele, P. E. (2019). Essential oils as topical anti-infective agents: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 47, 102224. <https://doi.org/10.1016/j.ctim.2019.102224>
- Di Vito, M., Cacaci, M., Martini, C., Barbanti, L., Mondello, F., Sanguinetti, M., Mattarelli, P., & Bugli, F. (2021). Is aromatherapy effective in obstetrics? A systematic review and meta-analysis. *Phytotherapy Research*, 35(5), 2477-2486. <https://doi.org/10.1002/ptr.6975>
- Dilek, B., & Necmiye, C. (2020). Usage of aromatherapy in symptom management in cancer patients: A systematic review. *International Journal of Caring Sciences*, 13(1), 537-546.
- Doğan, S.D., & Tosunöz, I.K. (2023). Effects of aromatherapy on pain and anxiety in burn patients: A

systematic review and meta-analysis. *Explore*, 19(2023), 100-106.

<https://doi.org/10.1016/j.explore.2022.10.012>

Domínguez-Solís, E., Lima-Serrano, M., & Lima-Rodríguez, J. S. (2021). Non-pharmacological interventions to reduce anxiety in pregnancy, labour and postpartum: A systematic review.

Midwifery, 102, 103126. <https://doi.org/10.1016/j.midw.2021.103126>

Donelli, D., Antonelli, M., Bellinazzi, C., Gensini, G. F., & Firenzuoli, F. (2019). Effects of lavender on anxiety: A systematic review and meta-analysis. *Phytomedicine*, 65, 153099.

<https://doi.org/10.1016/j.phymed.2019.153099>

Erdogan-Ongel, E., Heung, Y., Rozman de Moraes, A., Geng, Y., & Bruera, E. (2023). Inhalation of isopropyl alcohol for the management of nausea and vomiting: A systematic review. *J Palliat Med*, 26(1), 94-100.

<https://doi.org/10.1089/jpm.2022.0332>

Ergin, A. B., & Mallı, P. (2019). Aromatherapy in childbirth: A systematic review. *Kocaeli Üniversitesi Sağlık Bilimleri Dergisi*, 5(2), 72-80. <https://doi.org/10.30934/kusbed.496775>

Es-haghee, S., Shabani, F., Hawkins, J., Zareian, M. A., Nejatbakhsh, F., Qaraaty, M., & Tabarraei, M. (2020). The effects of aromatherapy on premenstrual syndrome symptoms: A systematic review and meta-analysis of randomized clinical trials. *Evidence-Based Complementary and Alternative Medicine*, 6667078.

<https://doi.org/10.1155/2020/6667078>

Farahani, M. A., Afsargharehbag, R., Marandi, F., Moradi, M., Hashemi, S. M., Moghadam, M. P., & Balouchi, A. (2019). Effect of aromatherapy on cancer complications: A systematic review.

Complementary Therapies in Medicine, 47, 102169. <https://doi.org/10.1016/j.ctim.2019.08.003>

Farzan, R., Firooz, M., Vajargah, P.G., Mollaei, A., Takasi, P., Tolouei, M., Zeydi, A.E., Hosseini, S.J., & Karkhah, S. (2023). Effects of aromatherapy with rosa damascene and lavender on pain and anxiety of burn patients: A systematic review and meta-analysis. *International Wound Journal*,

20(6), 2459-2472. <https://doi.org/10.1111/iwj.14093>

Fattah, A., Hesarinejad, Z., Gharaii, N. R., & Nasibi, M. (2019). The effect of aromatherapy on nausea and vomiting during pregnancy: A systematic review and meta-analysis. *International Journal of Pediatrics*, 7(3), 9061-9070.

<https://doi.org/10.22038/ijp.2018.34857.3068>

Firooz, M., Shan, G.R.M., Jouybari, L., Yazdi, K., & Osuji, J. (2024). Effect of lavender aromatherapy on anxiety and fatigue in hemodialysis patients: A systematic review and meta-analysis. *Iran J Public Health*, 53(3), 539-552.

<https://doi.org/10.18502/ijph.v53i3.15135>

Firoozeei, T. S., Feizi, A., Rezaeizadeh, H., Zargarani, A., Roohafza, H. R., & Karimi, M. (2021). The antidepressant effects of lavender (*Lavandula angustifolia* Mill.): A systematic review and meta-analysis of randomized controlled clinical trials. *Complementary Therapies in Medicine*, 59,

102679. <https://doi.org/10.1016/j.ctim.2021.102679>

- Forbes, E., Baker, A.L., Britton, B., Clover, K., Skelton, E., Moore, L., Handley, T., Oultram, S., Oldmeadow, C., Gibberd, A., & McCarter, K. (2023). A systematic review of nonpharmacological interventions to reduce procedural anxiety among patients undergoing radiation therapy for cancer. *Cancer Med*, 12(20), 20396-20422. <https://doi.org/10.1002/cam4.6573>
- Forrester L, Maayan N, Orrell M, Spector AE, Buchan LD, Soares-Weiser K. Aromatherapy for dementia. *Cochrane Database of Systematic Reviews* 2014, Issue 2. Art. No.: CD003150. DOI: 10.1002/14651858.CD003150.pub2
- Ghazanfari, M.J., Karkhah, S., Emami Zeydi, A., Mortazavi, H., Tabatabaee, A., & Adib-Hajbaghery, M. (2022). A systematic review of potentially effective nonpharmacological interventions for reducing fatigue among Iranian patients who receive hemodialysis. *Complement Med Res*, 29(2), 147-157. <https://doi.org/10.1159/000518626>
- Ghiassi, A., Bagheri, L., & Haseli, A. (2019). A systematic review on the anxiolytic effect of aromatherapy during the first stage of labor. *Journal of Caring Sciences*, 8(1), 51-60. <https://doi.org/10.15171/jcs.2019.008>
- Ghiassi, A., Bagheri, L., & Sharaflari, F. (2022). Effectiveness of aromatherapy in reducing duration of labour: A systematic review. *J Obstet Gynaecol*, 42(7), 2573-2583. <https://doi.org/10.1080/01443615.2022.2109952>
- Gonçalves, S., Marques, P., & Matos, R.S. (2024). Exploring aromatherapy as a complementary approach in palliative care: A systematic review. *J Palliat Med*, Apr 2024. <https://doi.org/10.1089/jpm.2024.0019>
- Gong, M., Dong, H., Tang, Y., Huang, W., & Lu, F. (2020). Effects of aromatherapy on anxiety: A meta-analysis of randomized controlled trials. *Journal of Affective Disorders*, 274, 1028-1040. <https://doi.org/10.1016/j.jad.2020.05.118>
- Goldsworthy, S., Palmer, S., Latour, J. M., McNair, H., & Cramp, M. (2020). A systematic review of effectiveness of interventions applicable to radiotherapy that are administered to improve patient comfort, increase patient compliance, and reduce patient distress or anxiety. *Radiography*, 26(4), 314-324. <https://doi.org/10.1016/j.radi.2020.03.002>
- Gregolis, T.B.L., Santos, S.D.S., Silva, I.F.D., & Bessa, A.R.D.S. (2024). Influence of non-pharmacological methods on duration of labor: A systematic review. *Cien Saude Colet*, 29(6), e19032022. <https://doi.org/10.1590/1413-81232024296.19032022>
- Gu, H.J., & Lee, O.S. (2023). Effects of non-pharmacological sleep interventions in older adults: A systematic review and meta-analysis. *Int J Environ Res Pub Health*, 20(4), 3101.

<https://doi.org/10.3390/ijerph20043101>

Guo, P., Li, P., Zhang, X., Liu, N., Wang, J., Yang, S., Yu, L., & Zhang, W. (2020). The effectiveness of aromatherapy on preoperative anxiety in adults: A systematic review and meta-analysis of randomized controlled trials. *International Journal of Nursing Studies*, 111, 103747.

<https://doi.org/10.1016/j.ijnurstu.2020.103747>

Guo, P., Zhang, X., Liu, N., Wang, J., Yang, S., Yu, L., & Zhang, W. (2021). Authors' response to “the strength of evidence of aromatherapy alleviating preoperative anxiety in adults: Comment on Guo et al. (2020)”. *International Journal of Nursing Studies*, 115, 103828.

<https://doi.org/10.1016/j.ijnurstu.2020.103828>

Hawkins, J., Hires, C., Dunne, E., & Baker, C. (2020). The relationship between lavender and tea tree essential oils and pediatric endocrine disorders: A systematic review of the literature.

Complementary Therapies in Medicine, 49, 102288. <https://doi.org/10.1016/j.ctim.2019.102288>

Hedigan, F., Sheridan, H., & Sasse, A. (2023). Benefit of inhalation aromatherapy as a complementary treatment for stress and anxiety in a clinical setting – A systematic review. *Complementary Therapies in Clinical Practice*, 52(Aug 2023), 101750. <https://doi.org/10.1016/j.ctcp.2023.101750>

Her, J., & Cho, M. –K. (2021). Effect of aromatherapy on sleep quality of adults and elderly people: A systematic literature review and meta-analysis. *Complementary Therapies in Medicine*, 60, 102739. <https://doi.org/10.1016/j.ctim.2021.102739>

Hines S, Steels E, Chang A, Gibbons K. Aromatherapy for treatment of postoperative nausea and vomiting. *Cochrane Database of Systematic Reviews* 2018, Issue 3. Art. No.: CD007598. DOI: 10.1002/14651858.CD007598.pub3

Ho, K.Y., Lam, K.K.W., Xia, W., Liu, Q., Chiu, S.Y., Chan, G.C.F., & Li, W.H.C. (2023). Systematic review of the effectiveness of complementary and alternative medicine on nausea and vomiting in children with cancer. *Cancer Nurs*, April 2023.

<https://doi.org/10.1097/NCC.0000000000001239>

Hu, T.M., Lee, S.H., & Loh, E.W. (2022). Effectiveness of aromatherapy for intrapartum and postpartum emotional problems among parturient women: A meta-analysis of randomized controlled trials. *Jpn J Nurs Sci*, 19(3), e12471. <https://doi.org/10.1111/jjns.12471>

Hu, Y., Lu, H., Huang, J., & Zang, Y. (2021). Efficacy and safety of non-pharmacological interventions for labour pain management: A systematic review and Bayesian network meta-analysis. *Journal of Clinical Nursing*, 30(23-24), 3398-3414. <https://doi.org/10.1111/jocn.15865>

Huang, D., Li, Y., Ye, J., Liu, C., Shen, D., & Lv, Y. (2023). Different nursing interventions on sleep quality among critically ill patients: A systematic review and network meta-analysis. *Medicine*,

102(52), e36298. <https://doi.org/10.1097/MD.00000000000036298>

- Huang, H., Wang, Q., Guan, X., Zhang, X., Kang, J., Zhang, Y., Zhang, Y., Zhang, Q., & Li, X. (2021). Effect of aromatherapy on preoperative anxiety in adult patients: A meta-analysis of randomized controlled trials. *Complementary Therapies in Clinical Practice*, 42, 101302. <https://doi.org/10.1016/j.ctcp.2021.101302>
- Huang, Y., & Yuan, X. (2024). Smellscape as a healing factor in institutional gardens to enhance health and well-being for older people with dementia: A scoping review. *J Clin Nurs*, 33(2), 454-468. <https://doi.org/10.1111/jocn.16908>
- Hui, E. K., Tischler, V., Wong, G. H. Y., Lau, W. Y. T., & Spector, A. (2021). Systematic review of the current psychosocial interventions for people with moderate to severe dementia. *International Journal of Geriatric Psychiatry*, 36(9), 1313-1329. <https://doi.org/10.1002/gps.5554>
- Hur, M. -H., Song, J. -A., Lee, J., & Lee, M. S. (2014). Aromatherapy for stress reduction in healthy adults: A systematic review and meta-analysis of randomized clinical trials. *Maturitas*, 79(4), 362-369. <https://doi.org/10.1016/j.maturitas.2014.08.006>
- Izadi, F., et al. (2023). The effect of aromatherapy with lavender on pain of needle insertion and severity of restless legs syndrome in hemodialysis patients: A systematic review and meta-analysis. *Archives of Academic Emergency Medicine*, 12(1), e4. <https://doi.org/10.22037/aaem.v12i1.2071>
- Jafari-Koulaee, A., Elyasi, F., Taraghi, Z., Ilali, E. S., & Moosazadeh, M. (2020). A systematic review of the effects of aromatherapy with lavender essential oil on depression. *Central Asian Journal of Global Health*, 9(1). <https://doi.org/10.5195/cajgh.2020.442>
- Jun, J., Kapella, M. C., & Hershberger, P. E. (2021). Non-pharmacological sleep interventions for adult patients in intensive care Units: A systematic review. *Intensive and Critical Care Nursing*, 67, 103124. <https://doi.org/10.1016/j.iccn.2021.103124>
- Kafami Ladani, F., Rahmah, A., & Mirzaei, M. (2023). The effects of aroma on apnea attacks and oxygen saturation among preterm infants: A systematic review and meta-analysis. *Galen Med J*, 12, e2846. <https://doi.org/10.31661/gmj.v12i.2846>
- Kang, H. -J., Nam, E. S., Lee, Y., & Kim, M. (2019). How strong is the evidence for the anxiolytic efficacy of lavender?: Systematic review and meta-analysis of randomized controlled trials. *Asian Nursing Research*, 13(5), 295-305. <https://doi.org/10.1016/j.anr.2019.11.003>
- Kang, J., Cho, Y.S., Lee, M., Yun, S., Jeong, Y.J., Won, Y.-H., Hong, J., & Kim, S. (2023). Effects of nonpharmacological interventions on sleep improvement and delirium prevention in critically ill patients: A systematic review and meta-analysis. *Aust Crit Care*, 36(4), 640-649.

<https://doi.org/10.1016/j.aucc.2022.04.006>

- Kang, J., Noh, W., & Lee, Y. (2020). Sleep quality among shift-work nurses: A systematic review and meta-analysis. *Applied Nursing Research*, 52, 151227. <https://doi.org/10.1016/j.apnr.2019.151227>
- Kani, K. M., Mirzania, Z., Mirhaghjoo, F., Moosavinesuad, R., Akbarzadeh, S., & Jafari, M. (2019). The effect of aromatherapy (with lavender) on dysmenorrhea: A systematic review and meta – analysis. *International Journal of Pediatrics*, 7(7), 9657-9666.
<https://doi.org/10.22038/ijp.2019.39624.3378>
- Kavradim, S. T., Yangöz, S. T., & Ozer, Z. (2021). Effectiveness of aromatherapy inhalation on anxiety and haemodynamic variables for patients with cardiovascular disease: A systematic review and meta-analysis. *The International Journal of Clinical Practice*, 75(11), e14593.
<https://doi.org/10.1111/ijcp.14593>
- Kazeminia, M., Abdi, A., Vaisi-Raygani, A., Jalali, R., Shohaimi, S., Daneshkhah, A., Salari, N., & Mohammadi, M. (2020). The effect of lavender (*Lavandula stoechas* L.) on reducing labor pain: A systematic review and meta-analysis. *Evidence-Based Complementary and Alternative Medicine*, 4384350. <https://doi.org/10.1155/2020/4384350>
- Khodarahmi, Z., & Galehdar, N. (2021). The effect of non-pharmacological measures on anxiety before surgical operation: A systematic review. *Yafteh*, 23(2), 169-181.
<https://doaj.org/article/62c9ef02d2454d1d8f7480ad2e1a7878>
- Kim, M., Nam, E. S., Lee, Y., & Kang, H. –J. (2021). Effects of lavender on anxiety, depression, and physiological parameters: Systematic review and meta-analysis. *Asian Nursing Research*.
<https://doi.org/10.1016/j.anr.2021.11.001>
- Kolivand, M., Dehghan, F., Kamravamanesh, M., & Kazeminia, M. (2021). The effect of aromatherapy on premenstrual syndrome symptoms: A systematic review. *Majallah-I Zanān, Māmāi va Nāzāi-I Īrān*, 24(7), 37-49. <https://doi.org/10.22038/ijogi.2021.18984>
- Komini, A., Kokka, I., Vlachakis, D., Chrousos, G.P., Kanaka-Gantenbein, C., & Bacopoulou, F. (2023). A systematic review on the adult alpha brainwave activity after essential oil inhalation. *Adv Exp Med Biol*, 1425, 545-553. https://doi.org/10.1007/978-3-031-31986-0_53
- Koohpayeh, S. A., Hosseini, M., Nasiri, M., & Rezaei, M. (2021). Effects of *Rosa damascena* (Damask rose) on menstruation-related pain, headache, fatigue, anxiety, and bloating: A systematic review and meta-analysis of randomized controlled trials. *Journal of Education and Health Promotion*, 10(1), 272. https://doi.org/10.4103/jehp.jehp_18_21
- Kudchadkar SR, Berger J, Patel R, Barnes S, Twose C, Walker T, Mitchell R, Song J, Anton B, Punjabi NM. Non-pharmacological interventions for sleep promotion in hospitalized children.

- Kulakac, N., & Sayilan, A.A. (2024). Effect of lavender oil on preoperative anxiety: Systematic review and meta-analysis. *Journal of PeriAnesthesia Nursing*, 39(2), 218-225.
<https://doi.org/10.1016/j.jopan.2023.07.016>
- Kwon, C.Y., & Lee, B. (2023). Complementary and integrative medicines for behavioral and psychological symptoms of dementia: Overview of systematic reviews. *Explore*, 19(2), 176-194.
<https://doi.org/10.1016/j.explore.2022.08.005>
- Lee, M. S., Lee, H. W., Khalil, M., Lim, H. S., & Lim, H. -J. (2018). Aromatherapy for managing pain in primary dysmenorrhea: A systematic review of randomized placebo-controlled trials. *Journal of Clinical Medicine*, 7(11), 434. <https://doi.org/10.3390/jcm7110434>
- Li, B. S. Y., Chan, C. W. H., Li, M., Wong, I. K. Y., & Yu, Y. H. U. (2021). Effectiveness and safety of aromatherapy in managing behavioral and psychological symptoms of dementia: A mixed-methods systematic review. *Dementia and Geriatric Cognitive Disorders Extra*, 11(3), 273 – 297. <https://doi.org/10.1159/000519915>
- Li, D., Li, Y., Bai, X., Wang, M., Yan, J., Cao, Y., Cao, Y., & Cao, Y. (2022). The effects of aromatherapy on anxiety and depression in people with cancer: A systematic review and meta- analysis. *Frontiers in Public Health*, 10. <https://doi.org/10.3389/fpubh.2022.853056>
- Li, F., Jiang, T., & Shi, T. (2021). Effect of inhalation aromatherapy on physical and psychological problems in cancer patients: Systematic review and meta-analysis. *Journal of Psychosocial Oncology*, 1-17. <https://doi.org/10.1080/07347332.2021.2011529>
- Li, H., Zhao, M., Shi, Y., Xing, Z., Li, Y., Wang, S., Ying, J., Zhang, M., & Sun, J. (2019). The effectiveness of aromatherapy and massage on stress management in nurses: A systematic review. *Journal of Clinical Nursing*, 28(3-4), 372-385. <https://doi.org/10.1111/jocn.14596>
- Li, X., Hao, X., Liu, J.H., & Huang, J.P. (2024). Efficacy of non-pharmacological interventions for primary dysmenorrhea: A systematic review and Bayesian network meta-analysis. *BMJ Evid Based Med*, 29(3), 162-170. <https://doi.org/10.1136/bmjebm-2023-112434>
- Lialy, H.E., Mohamed, M.A., AbdAllatif, L.A., Khalid, M., & Elhelbawy, A. (2023). Effects of different physiotherapy modalities on insomnia and depression in perimenopausal, menopausal, and post-menopausal women: A systematic review. *BMC Womens Health*, 23(1), 363. <https://doi.org/10.1186/s12905-023-02515-9>
- Liao, C. -C., Lan, S. -H., Yen, Y. -Y., Hsieh, Y. -P., & Lan, S. -J. (2021). Aromatherapy intervention on anxiety and pain during first stage labour in nulliparous women: A systematic review and meta-

analysis. *Journal of Obstetrics and Gynaecology*, 41(1), 21-31.

<https://doi.org/10.1080/01443615.2019.1673707>

Lin, P. C., Lee, P. H., Tseng, S. J., Lin, Y. M., Chen, S. R., & Hou, W. H. (2019). Effects of aromatherapy on sleep quality: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 45, 156-166. <https://doi.org/10.1016/j.ctim.2019.06.006>

Lim, A.R., & Kim, H.K. (2024). The effects of aromatherapy on stroke symptoms in stroke patients: A systematic review and meta-analysis. *Korean Journal of Adult Nursing*, 36(2), 85-101. <https://doi.org/10.7475/kjan.2024.36.2.85>

Lira, L. C. S., Amorim, M. M., Delgado, A., Menezes, M. d. O., & Takemoto, M. L. S. (2021).

Concerning the article 'aromatherapy intervention on anxiety and pain during first stage labour in nulliparous women: A systematic review and meta-analysis'. *Journal of Obstetrics and Gynaecology*, 41(7), 1180. <https://doi.org/10.1080/01443615.2020.1837758>

Liu, T., Cheng, H., Tian, L., Zhang, Y., Wang, S., & Lin, L. (2022). Aromatherapy with inhalation can effectively improve the anxiety and depression of cancer patients: A meta-analysis. *Gen Hosp Psychiatry*, 77, 118-127. <https://doi.org/10.1016/j.genhosppsych.2022.05.004>

Maleki, M., Mardani, A., Manouchehri, M., Ashghali Farahani, M., Vaismoradi, M., & Glarcher, M. (2023). Effect of chamomile on the complications of cancer: A systematic review. *Integr Cancer Ther*, 22, 15347354231164600. <https://doi.org/10.1177/15347354231164600>

Malloggi, E., Menicucci, D., Cesari, V., Frumento, S., Gemignani, A., & Bertoli, A. (2021). Lavender aromatherapy: A systematic review from essential oil quality and administration methods to cognitive enhancing effects. *Applied Psychology: Health and Well-Being*, 1-28. <https://doi.org/10.1111/aphw.12310>

Mardani, A., Maleki, M., Hanifi, N., Borghei, Y., & Vaismoradi, M. (2022). A systematic review of the effect of lavender on cancer complications. *Complement Ther Med*, 67, 102836. <https://doi.org/10.1016/j.ctim.2022.102836>

Marín, N.V., Ambit, G.C., Sánchez-García, J.C., Requena, A.L., & Garcia Vidal, J.A. (2024).

Complementary techniques of relaxation and non-pharmacological analgesia during childbirth: Systematic review. *Enfermería Global*, 73, 458-474. <https://doi.org/10.6018/eglobal.555891>

Matsuda, K., & Shiraishi, M. (2022). Effects of aromatherapy in women with premenstrual syndrome: A systematic review focusing on mental symptoms, physical symptoms, and autonomic nerve system. *J Jpn Acad Midwif*, 36(1), 15-28. <https://doi.org/10.3418/jjam.IJAM-2021-0019>

Men, Y., Chen, J., Yang, Y., & Cao, Y. (2021). The strength of evidence of aromatherapy alleviating preoperative anxiety in adults: Comment on Guo et al. 2020. *International Journal of Nursing*

Studies, 115, 103829. <https://doi.org/10.1016/j.ijnurstu.2020.103829>

Mendes, F.C.O., Santos, K.V.G.D., Dantas, J.K.D.S., Araújo, S.C.M., Teixeira F.C., Leal, K.C.D.S., Dantas, D.V., & Dantas, R.A.N. (2024). Non-pharmacological strategies to reduce stress and anxiety in endovascular procedures: A scoping review. *Nurs Open*, 11(3), e2105.

<https://doi.org/10.1002/nop2.2105>

Mitchinson, L., Chu, C., Bruun, A., Sisk, A.R., Armstrong, M., Vindrola-Padros, C., Kupeli, N., Candy, B., & Stone, P. (2022). How best to capture the impact of complementary therapies in palliative care: A systematic review to identify and assess the appropriateness and validity of multi-domain tools. *Palliat Med*, 36(9), 1320-1335. <https://doi.org/10.1177/02692163221122955>

Mitra, R., Rai, A., Kumar, A., & Mitra, J.K. (2023). Role of herbal medication in tobacco cessation treatment: A systematic review and meta-analysis. *Addict Health*, 15(1), 63-70.

<https://doi.org/10.34172/ahj.2023.1290>

Mohamadi, N., Pourkorrani, M.H.S., Langarizadeh, M.A., Ranjbartavakoli, M., Sharififar, F., & Asgary, S. (2022). Evidence for rosa damascene efficiency in mental health disorders in preclinical animal studies and clinical trials: A systematic review. *Phytother Res*, 36(8), 3016-3031.

<https://doi.org/10.1002/ptr.7496>

Molassiotis, A., Affronri, M.L., Fleury, M., Olver, I., Giusti, R., & Scotte, F. (2023). 2023 MASCC/ESMO consensus antiemetic guidelines related to integrative and non-pharmacological therapies. *Support Care Cancer*, 32(1), 30. <https://doi.org/10.1007/s00520-023-08225-0>

Moradifar, N., Amraei, M., Karami, K., Shahijan, M.K., Amin, A., & Nadri, S. (2021). Aromatherapy with lavender essential oil in patients with surgery-related anxiety: A systematic review. *Research Journal of Pharmacognosy*, 8(4), 101-111. <https://doi.org/10.22127/rjp.2021.293248.1730>

Moradifar, N., Shahijan, M. K., Bakhtiari, N., Tavakoli, M., & Amin, A. (2021). Aromatherapy in patients undergoing coronary artery bypass surgery: A systematic review of clinical trials. *Global Journal of Medical Pharmaceutical and Biomedical Update*, 16(1), 1+.

<https://link.gale.com/apps/doc/A682130935/AONE?u=colu44332&sid=ebsco&xid=a2cfe4d3>

Murtey, P., Noor, N.M., Ishak, A., & Idris, N.S. (2024). Essential oils as an alternative treatment for migraine headaches: A systematic review and meta-analysis. *Korean J Fam Med*, 45(1), 18-26.

<https://doi.org/10.4082/kjfm.23.0106>

Najafi, M. N., Hadavi, F., Kermani, S. V., Vafisani, F., & Ghazanfarpour, M. (2019). Aromatherapy with Iranian herbal medicines for premenstrual syndrome and primary dysmenorrhea: A systematic review and meta-analysis. *International Journal of Pediatrics*, 7(9), 10155-10166.

<https://doi.org/10.22038/ijp.2019.42455.3563>

- Nakhaei, A. A., Javid, A., Marefat, M., Chaichy, Z., Alshahrestani, A., & Nazarpour, P. (2019). Is aromatherapy effective for apnea in preterm infants? A systematic review. *International Journal of Pediatrics*, 7(7), 9741-9747. <https://doi.org/10.22038/ijp.2019.40056.3402>
- Nascimento, J.C., Goncalves, V.S.S., Souza, B.R.S., Nascimento, L.dC., Carvalho, B.M.R., Ziegelmann, P.K., Goes, T.C., & Guimarães, A.G. (2022). New approaches to the effectiveness of inhalation aromatherapy in controlling painful conditions: A systematic review with meta- analysis. *Complementary Therapies in Clinical Practice*, 49(Nov 2022), 101628. <https://doi.org/10.1016/j.ctcp.2022.101628>
- Nasiri, M., Torkaman, M., Feizi, S., & Shamloo, M. B. B. (2021). Effect of aromatherapy with Damask rose on alleviating adults' acute pain severity: A systematic review and meta-analysis of randomized controlled trials. *Complementary Therapies in Medicine*, 56, 102596. <https://doi.org/10.1016/j.ctim.2020.102596>
- Nassif, M.S., Costa, I.C.P., Ribeiro, P.M., Moura, C.C., & Oliveira, P.E. (2022). Integrative and complementary practices to control nausea and vomiting in pregnant women: A systematic review. *Rev Esc Enferm USP*, 56, e20210515. <https://doi.org/10.1590/1980-220X-REEUSP- 2021-0515en>
- Natale P, Ju A, Strippoli GFM, Craig JC, Saglimbene VM, Unruh ML, Stallone G, Jaure A. Interventions for fatigue in people with kidney failure requiring dialysis. *Cochrane Database of Systematic Reviews* 2023, Issue 8. Art. No.: CD013074. DOI: 10.1002/14651858.CD013074.pub2.
- Natale P, Ruospo M, Saglimbene VM, Palmer SC, Strippoli GFM. Interventions for improving sleep quality in people with chronic kidney disease. *Cochrane Database of Systematic Reviews* 2019, Issue 5. Art. No.: CD012625. DOI: 10.1002/14651858.CD012625.pub2.
- Paixão, V. L. B., & de Carvalhob, J. F. (2021). Essential oil therapy in rheumatic diseases: A systematic review. *Complementary Therapies in Clinical Practice*, 43, 101391. <https://doi.org/10.1016/j.ctcp.2021.101391>
- Pang, T., Liu, C., Li, J., Yao, J., Li, Z., Lei, S., Zhang, J., Li, X., Dong, L., & Wang, Y. (2022). Effectiveness and safety of aromatherapy massage for knee osteoarthritis: A protocol for systematic review and meta-analysis. *Medicine*, 101(11), e29039. <https://doi.org/10.1097/MD.00000000000029039>
- Pezantes-Orellana, C., German Bermúdez, F., Matías De la Cruz, C., Montalvo, J.L., & Orellana-Manzano, A. (2024). Essential oils: A systematic review on revolutionizing health, nutrition, and omics for optimal well-being. *Front Med*, 11, 1337785. <https://doi.org/10.3389/fmed.2024.1337785>

- Purnamasari, I., Suharyono, S., & Wibowo, S. A. (2020). A Systematic Review of Complementary Therapy for Treating Osteoarthritis. *Jurnal Ners*, 15(2), 246-251.
<https://doi.org/10.20473/jn.v15i2.19025>
- Rami, M. S. G., Nasiri, M., Nasab, M. S. A., Jafari, Z., Torkaman, M., Feizi, S., Farahmandnia, B., & Asadi, M. (2021). Effect on Rosa damascena on improvement of adults' sleep quality: a systematic review and meta-analysis of randomized controlled trials. *Sleep Medicine*, 87, 8-19.
<https://doi.org/10.1016/j.sleep.2021.07.017>
- Rasooli, T., Nasiri, M., Aliabadi, Z. K., Rajabi, M. R., Feizi, S., Torkaman, M., Shahrestanaki, S. K., Mohsenikhah, M., Rezaei, M., & Abbasi, M. (2021). Rosa Damascena mill for treating adults' anxiety, depression, and stress: A systematic review and dose-response meta-analysis of randomized controlled trials. *Phytotherapy Research*, 35(12), 6585-6606.
<https://doi.org/10.1002/ptr.7243>
- Rawal, R., Read, J., Chesterman, E., Walters, K., Schrag, A., Ambler, & Armstrong, M. (2022). The effectiveness of aromatherapy and reflexology in neurodegenerative disorders: A systematic review and meta-analysis. *Neurodegener Dis Manag*, 12(5), 253-265.
<https://doi.org/10.2217/nmt-2021-0056>
- Rezaie-Keikhaie, K., Hastings-Tolsma, M., Bouya, S., Shad, F. S., Sari, M., Shoorvazi, M., Barani, Z. Y., & Balouchi, A. (2019). Effect of aromatherapy on post-partum complications: A systematic review. *Complementary Therapies in Clinical Practice*, 35, 290-295.
<https://doi.org/10.1016/j.ctcp.2019.03.010>
- Salehi-Pourmehr, H., Ostadrahimi, A., Ebrahimipour-Mirzarezaei, M., & Farshbaf-Khalili, A. (2020). Does aromatherapy with lavender affect physical and psychological symptoms of menopausal women? A systematic review and meta-analysis. *Complementary Therapies in Clinical Practice*, 39, 101150. <https://doi.org/10.1016/j.ctcp.2020.101150>
- Sánchez, F. A., Rosales, J. R., Godoy, P. R., & Barriá, R. M. (2022). Effects of inhalation aromatherapy as a complementary therapy in pediatric patients in the clinical practice: A systematic review. *Complementary Therapies in Clinical Practice*, 46, 101516.
<https://doi.org/10.1016/j.ctcp.2021.101516>
- Sánchez-Vidaña, D. I., Ngai, S. P. C., He, W., Chow, J. K. W., Lau, B. W. M., & Tsang, H. W. H. (2017). The effectiveness of aromatherapy for depressive symptoms: A systematic review. *Evidence-Based Complementary and Alternative Medicine*, 5869315. <https://doi.org/10.1155/2017/5869315>
- Saragih, I.D., Suarilah, I., Son, N.T., & Lee, B.O. (2023). Efficacy of non-pharmacological interventions to reduce pain in people with dementia: A systematic review and meta-analysis.

- Sariati, S., Sholikhah, D. U., Narendri, C. M., Sari, G. M., & Yahya, Q. N. Q. (2019). Music therapy and aromatherapy interventions in patients undergoing hemodialysis: A systematic review. *Jurnal Ners*, 14(3), 81-85. <https://doi.org/10.20473/jn.v14i3.16990>
- Sayed, A. M., Morsy, S., Tawfik, G. M., Naveed, S., Minh-Duc, N. T., Hieu, T. H., Ali, Z. A., Shinkar, A., Doheim, M. F., Hashan, M. R., & Huy, N. T. (2020). The best route of administration of lavender for anxiety: a systematic review and network meta-analysis. *General Hospital Psychiatry*, 64, 33-40. <https://doi.org/10.1016/j.genhosppsych.2020.02.001>
- Shamsunisha, Y., Arunesh, A., Pandiaraja, M., Venugopal, V., Poonguzhali, S., & Kuppasamy, M. (2023). Aromatherapy for postpartum depression: A systematic review and meta-analysis. *Journal of Family and Reproductive Health*, 17(1). <http://jfrh.tums.ac.ir>
- Shaterian, N., Pakzad, R., Fekri, S.D., Abdi, F., Shaterian, N., & Shojaee, M. (2022). Labor pains in different dilatations of the cervix and apgar scores affected by aromatherapy: A systematic review and meta-analysis. *Reprod Sci*, 29(9), 2488-2504. <https://doi.org/10.1007/s43032-021-00666-4>
- Shih, C.Y., Gordon, C.J., Chen, T.J., Phuc, N.T., Tu, M.C., Tsai, P.S., & Chiu, H.Y. (2022). Comparative efficacy of nonpharmacological interventions on sleep quality in people who are critically ill: A systematic review and network meta-analysis. *Int J Nurs Stud*, 130, 104220. <https://doi.org/10.1016/j.ijnurstu.2022.104220>
- Shin E, Seo K, Lee S, Jang J, Jung Y, Kim M, Yeon J. Massage with or without aromatherapy for symptom relief in people with cancer. Cochrane Database of Systematic Reviews 2016, Issue 6. Art. No.: CD009873. DOI: 10.1002/14651858.CD009873.pub3
- Shorey, S., Ang, L., & Lau, Y. (2020). Efficacy of mind-body therapies and exercise-based interventions on menopausal-related outcomes among Asian perimenopause women: A systematic review, meta-analysis, and synthesis without a meta-analysis. *Journal of Advanced Nursing*, 76(5), 1098-1110. <https://doi.org/10.1111/jan.14304>
- Siagian, M. L., Indarwati, R., & Lestari, P. (2020). Non-pharmacological therapy for the elderly to prevent dementia through cognitive stimulation therapy: A systematic review. *Jurnal Ners*, 15(2), 221-229. <https://doi.org/10.20473/jn.v15i2.19018>
- Smith CA, Collins CT, Crowther CA. Aromatherapy for pain management in labour. Cochrane Database of Systematic Reviews 2011, Issue 7. Art. No.: CD009215. DOI: 10.1002/14651858.CD009215
- Smith CA, Collins CT, Cyna AM, Crowther CA. Complementary and alternative therapies for pain management in labour. Cochrane Database of Systematic Reviews 2006, Issue 4. Art. No.:

- Smith, C. A., Hill, E., Denejkina, A., Thornton, C., & Dahlen, H. G. (2022). The effectiveness and safety of complementary health approaches to managing postpartum pain: A systematic review and meta-analysis. *Integrative Medicine Research*, 11(1), 100758.
<https://doi.org/10.1016/j.imr.2021.100758>
- Soh, P.Q.P., Wong, W.H.T., Roy, T., & Tam, W.W.S. (2024). Effectiveness of non-pharmacological interventions in improving sleep quality after cardiac surgery: A systematic review and meta-analysis. *J Clin Nurs*, 33(6), 2084-2098. <https://doi.org/10.1111/jocn.17115>
- Song, J. A., Lee, M. K., Min, E., Kim, M. E., Fike, G., & Hur, M. H. (2018). Effects of aromatherapy on dysmenorrhea: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 84, 1-11. <https://doi.org/10.1016/j.ijnurstu.2018.01.016>
- Song, J.-A., & Yang, H. (2022). Fatigue relief by aromatherapy use in prenatal and postnatal women: A systematic review and meta-analysis. *Korean Journal of Women Health Nursing*, 28(2), 87-99.
<https://doi.org/10.4069/kjwhn.2022.05.15>
- Sun, A., & Wu, X. (2023). Efficacy of non-pharmacological interventions on improving sleep quality in depressed patients: A systematic review and network meta-analysis. *J Psychosom Res*, 172, 111435.
<https://doi.org/10.1016/j.jpsychores.2023.111435>
- Tan, J.X.J., Cai, J.S., & Ignacio, J. (2023). Effectiveness of aromatherapy on anxiety and sleep quality among adult patients admitted into intensive care units: A systematic review. *Intensive and Critical Care Nursing*, 76(June 2023), 103396. <https://doi.org/10.1016/j.iccn.2023.103396>
- Tan, L., Liao, F.-F., Long, L.-Z., Ma, X.-C., Peng, Y.-X., Lu, J.-M., Qu, H., & Fu, C.-G. (2023). Essential oils for treating anxiety: A systematic review of randomized controlled trials and network meta-analysis. *Front Public Health*, 1(11), 1144404. <https://doi.org/10.3389/fpubh.2023.1144404>
- Thrane, S. E., Hsieh, K., Donahue, P., Tan, A., Exline, M. C., & Balas, M. C. (2019). Could complementary health approaches improve the symptom experience and outcomes of critically ill adults? A systematic review of randomized controlled trials. *Complementary Therapies in Medicine*, 47, 102166. <https://doi.org/10.1016/j.ctim.2019.07.025>
- Tkachenko, E., Okhovat, J.-P., Manjaly, P., Huang, K. P., Senna, M. M., & Mostaghimi, A. (2019). Complementary & alternative medicine for alopecia areata: A systematic review. *Journal of the American Academy of Dermatology*. <https://doi.org/10.1016/j.jaad.2019.12.027>
- Tola, Y. O., Chow, K. M., & Liang, W. (2021). Effects of non-pharmacological interventions on preoperative anxiety and postoperative pain in patients undergoing breast cancer surgery: A systematic review. *Journal of Clinical Nursing*, 30(23-24), 3369-3384.

<https://doi.org/10.1111/jocn.15827>

- Uysal, D.A., & Aykar, F.S. (2024). Effect of music and aromatherapy applied in palliative care on symptom management: A systematic review. *International Journal of Caring Sciences*, 17(1), 179.
- Uzun, S. (2024). The effectiveness of nurses' psychosocial interventions for sensory deprivation in intensive care patients: A systematic review and meta-analysis. *Ir J Med Sci*, Jun 2024. <https://doi.org/10.1007/s11845-024-03735-0>
- Van Veen, S., Drenth, H., Hobbelen, H., Finnema, E., Teunissen, S., & de Graaf, E. (2024). Non-pharmacological interventions feasible in the nursing scope of practice for pain relief in palliative care patients: A systematic review. *Palliat Care Soc Pract*, 2024 Jan. <https://doi.org/10.1177/26323524231222496>
- Veronese, N., et al. (2022). Interventions for improving long COVID-19 symptomatology: A systematic review. *Viruses*, 14(9), 1863. <https://doi.org/10.3390/v14091863>
- Wang, Q., Wei, L., Luo, Y., Lin, L., Deng, C., Hu, P., Zhu, L., Liu, Y., & Lin, M. (2022). Effectiveness of aromatherapy on ameliorating fatigue in adults: A meta-analysis. *Evid Based Complement Alternat Med*, 2022, 1141411. <https://doi.org/10.1155/2022/1141411>
- Wang, Y., Tang, C., Fan, X., Shirai, K., & Dong, J.Y. (2022). Mind-body therapies for older adults with dementia: A systematic review and meta-analysis. *Eur Geriatr Med*, 13(4), 881-891. <https://doi.org/10.1007/s41999-022-00639-z>
- Widiasih, R., Rais, Y., Fithriyah, N., Damayanti, D., & Puspitasari, N. R. (2021). Intervention for preventing postpartum depression: A systematic review of studies in Indonesia. *British Journal of Midwifery*, 29(7), 410-413.
- Wu, Q., Zhao, J., & Guo, W. (2022). Efficacy of massage therapy in improving outcomes in knee osteoarthritis: A systematic review and meta-analysis. *Complement Ther Clin Pract*, 46, 101522. <https://doi.org/10.1016/j.ctcp.2021.101522>
- Xiang, S.R., Ma, Q., Dong, J., Ren, Y.F., Lin, J.Z., Zheng, C., Xiao, P., & You, F.M. (2024). Contrasting effects of music therapy and aromatherapy on perioperative anxiety: A systematic review and meta-analysis. *Complement Med Res*, 31(3), 278-291. <https://doi.org/10.1159/000538425>
- Xie, S.R., Ma, L., Xu, X.Y., Zhou, S., Xie, H.M., & Xie, C.S. (2024). Effects of aromatherapy on physical and mental health of cancer patients undergoing radiotherapy and/or chemotherapy: A meta-analysis. *Chin J Integr Med*, 30(5), 449-457. <https://doi.org/10.1007/s11655-024-3659-y>
- Yang, J., Lim, K.H., Lim, K.T., Woods, J.T., Mohabbat, A.B., Wahner-Roedler, D.L., Ganesh, R., & Bauer, B. (2023). Complementary and alternative medicine for long COVID: A systematic review

of randomized controlled trials. *Ther Adv Chronic Dis*, 11(14), 20406223231204727.

<https://doi.org/10.1177/20406223231204727>

Yangöz, S. T., Kavradım, S. T., & Öze, Z. (2021). The effect of aromatherapy on fatigue in adults receiving haemodialysis treatment: A systematic review and meta-analysis of randomised controlled trials. *Journal of Advanced Nursing*, 77(11), 4371-4386,

<https://doi.org/10.1111/jan.14922>

Yildiz, A., & Şahan, S. (2022). Effect of aromatherapy on the pain of arteriovenous fistula puncture in patients on hemodialysis: A systematic review. *Journal of Health Research*, 36(6), 1187-1197.

<https://doi.org/10.1108/JHR-05-2021-0280>

Yin, Z., Li, Y., Bao, Q., Zhang, X., Xia, M., Zhong, W., Wu, K., Yao, J., Chen, Z., Sun, M., Zhao, L. & Liang, F. (2024). Comparative efficacy of multiple non-pharmacological interventions for behavioural and psychological symptoms of dementia: A network meta-analysis of randomised controlled trials. *Int J Ment Health Nurs*, 33(3), 487-504.

<https://doi.org/10.1111/inm.13254>

Yoo, O., & Park, S.A. (2023). Anxiety-reducing effects of lavender essential oil inhalation: A systematic review. *Healthcare*, 11(22), 2978. <https://doi.org/10.3390/healthcare11222978>

Zhang, C., Ma, H., Yang, Y.-F., Zhang, Y., & Gou, W.-J. (2023). Effect of aromatherapy on quality of life in maintenance hemodialysis patients: A systematic review and meta-analysis. *Renal Failure*, 45(1), 2164202. <https://doi.org/10.1080/0886022X.2022.2164202>

Zhang, P., Liao, X., Yuan, Q., Lyu, F., & Xie, S. (2023). Effect of aromatherapy on postoperative pain relief: A systematic review and meta-analysis of randomized controlled trials. *European Journal of Integrative Medicine*, 62(Sept 2023), 102289. <https://doi.org/10.1016/j.eujim.2023.102289>

Zhao, F.Y., Xu, P., Kennedy, G.A., Conduit, R., Zhang, W.J., Wang, Y.M., Fu, Q.Q., & Zheng, Z. (2023). Identifying complementary and alternative medicine recommendations for insomnia treatment and care: A systematic review and critical assessment of comprehensive clinical practice guidelines. *Front Public Health*, 11, 1157419.

<https://doi.org/10.3389/fpubh.2023.1157419>

Zimpel SA, Torloni MR, Porfírio GJM, Flumignan RLG, da Silva EMK. Complementary and alternative therapies for post-caesarean pain. *Cochrane Database of Systematic Reviews* 2020, Issue 9. Art. No.: CD011216. DOI: 10.1002/14651858.CD011216.pub2.

Art Therapy:

- Abbing, A., Haeyen, S., Nyapati, S., Verboon, P., & van Hooren, S. (2023). Effectiveness and mechanisms of the arts therapies in forensic care. A systematic review, narrative synthesis, and meta-analysis. *Front Psychiatry*, 14, 1128252. <https://doi.org/10.3389/fpsyt.2023.1128252>
- Abbing, A., Ponstein, A., van Hooren, S., de Sonnevile, L., Swaab, H., & Baars, E. (2018). The effectiveness of art therapy for anxiety in adults: A systematic review of randomised and non-randomised controlled trials. *PLoS ONE*, 13(12), e0208716. <https://doi.org/10.1371/journal.pone.0208716>
- Abu-Odah, H., Sheffield, D., Hogan, S., Yorke, J., & Molassiotis, A. (2024). Effectiveness of creative arts therapy for adult patients with cancer: A systematic review and meta-analysis. *Support Cancer Care*, 32(7), 430. <https://doi.org/10.1007/s00520-024-08582-4>
- Aguilar, B.A. (2017). The efficacy of art therapy in pediatric oncology patients: An integrative literature review. *Journal of Pediatric Nursing*, 36, 173-178. <https://doi.org/10.1016/j.pedn.2017.06.015>
- Annous, N., Al-Hroub, A., & El Zein, F. (2022). A systematic review of empirical evidence on art therapy with traumatized refugee children and youth. *Front Psychol*, 13, 811515. <https://doi.org/10.3389/fpsyg.2022.811515>
- Armstrong, V.G., & Ross, J. (2020). The evidence base for art therapy with parent and infant dyads: An integrative literature review. *International Journal of Art Therapy*, 25(3), 103-118. <https://doi.org/10.1080/17454832.2020.1724165>
- Baker, F. A., Metcalf, O., Varker, T., & O'Donnell, M. (2018). A systematic review of the efficacy of creative arts therapies in the treatment of adults with PTSD. *Psychological Trauma: Theory, Research, Practice, and Policy*, 10(6), 643-651. <http://dx.doi.org/10.1037/tra0000353>
- Barnish, M.S., & Nelson-Horne, R.V. (2023). Group-based active artistic interventions for adults with primary anxiety and depression: A systematic review. *BMJ Open*, 13(6), e069310. <https://doi.org/10.1136/bmjopen-2022-069310>
- Batubara, S.O., Saragih, I.D., Mulyadi, M., & Lee, B.O. (2023). Effects of art therapy for people with mild or major neurocognitive disorders: A systematic review and meta-analysis. *Arch Psychiatr Nurs*, 45, 61-71. <https://doi.org/10.1016/j.apnu.2023.04.011>
- Beard, R.L. (2011). Art therapies and dementia care: A systematic review. *Dementia*, 11(5), 633-656. <https://doi.org/10.1177/1471301211421090>
- Belloni, S., Arrigoni, C., Arcidiacono, M.A., Baroni, I., Conte, G., Dellafiore, F., Ghizzardi, G., Magon, A., Villa, G., & Caruso, R. (2023). A systematic review of systematic reviews and pooled meta-analysis on psychosocial interventions for improving cancer-related fatigue. *Semin Oncol Nurs*, 39(3), 151354. <https://doi.org/10.1016/j.soncn.2022.151354>

- Bosgraaf, L., Spreen, M., Pattiselanno, K., & van Hooren, S. (2020). Art therapy for psychosocial problems in children and adolescents: A systematic narrative review on art therapeutic means and forms of expression, therapist behavior, and supposed mechanisms of change. *Frontiers in Psychology*, 11, 584685. <https://doi.org/10.3389/fpsyg.2020.584685>
- Bosman, J.T., Bood, Z. M., Scherer-Rath, M., Dörr, H., Christophe, N., Sprangers, M.A.G., & van Lâarhoven, H.W.M. (2021). The effects of art therapy on anxiety, depression, and quality of life in adults with cancer: A systematic literature review. *Supportive Care in Cancer*, 29, 2289-2298. <https://doi.org/10.1007/s00520-020-05869-0>
- Bourne, P., Camic, P. M., & Crutch, S. J. (2020). Psychosocial outcomes of dyadic arts interventions for people with a dementia and their informal caregivers: A systematic review. *Health and Social Care in the Community*, 29(6), 1632-1649. <https://doi.org/10.1111/hsc.13267>
- Braito, I., Rudd, T., Buyuktasgin, D., Ahmed, M., Glancy, C., & Mulligan, A. (2021). Review: Systematic review of effectiveness of art psychotherapy in children with mental health disorders. *Irish Journal of Medical Science*. <https://doi.org/10.1007/s11845-021-02688-y>
- Brandão, F.M.V., Silva, C.V., da Silva Gonçalves de Oliveira, K. R., & de Silva Pedroso, J. (2019). Art as a therapeutic tool in depressive disorders: A systematic review of the literature. *Psychiatric Quarterly*, 90, 871-882. <https://doi.org/10.1007/s11126-019-09672-x>
- Castle, D., Feusner, J., Laposa, J.M., Richter, P.M.A., Hossain, R., Lusicic, A., & Drummond, L.M. (2023). Psychotherapies and digital interventions for OCD in adults: What do we know, what do we need still to explore? *Compr Psychiatry*, 120, 152357. <https://doi.org/10.1016/j.comppsy.2022.152357>
- Chiang, L., Cheong, D., Cordato, N.J., & Smerdely, P. (2024). Visual art therapy and its effects in older people with mild cognitive impairment: A systematic review. *Int J Geriatr Psychiatry*, 39(1), e6053. <https://doi.org/10.1002/gps.6053>
- Crane, T., Buultjens, M., & Fenner, P. (2021). Art-based interventions during pregnancy to support women's wellbeing: An integrative review. *Women and Birth*, 34(4), 325-334. <https://doi.org/10.1016/j.wombi.2020.08.009>
- de Souza, L.B.R., Gomes, Y.C. & de Moraes, M.G.G. (2022). The impacts of visual art therapy for elderly with neurocognitive disorder: A systematic review. *Dement Neuropsychol*, 16(1), 8-18. <https://doi.org/10.1590/1980-5764-DN-2021-0042>
- Deshmukh SR, Holmes J, Cardno A. Art therapy for people with dementia. Cochrane Database of Systematic Reviews 2018, Issue 9. Art. No.: CD011073. DOI: 10.1002/14651858.CD011073.pub2
- Du, S.C., Li, C.Y., Lo, Y.Y., Hu, Y.H., Hsu, C.W., Cheng, C.Y., Chen, T.T., Hung, P.H., Lin, P.Y., &

- Chen, C.R. (2024). Effects of visual art therapy on positive symptoms, negative symptoms, and emotions in individuals with schizophrenia: A systematic review and meta-analysis. *Healthcare*, 12(11), 1156. <https://doi.org/10.3390/healthcare12111156>
- Finkel, D., & Or, M.B. (2020). The open studio approach to art therapy: A systematic scoping review. *Frontiers in Psychology*, 11, 568042. <https://doi.org/10.3389/fpsyg.2020.568042>
- Fu, W., Huang, Y., Liu, X., Ren, J., & Zhang, M. (2020). The effect of art therapy in women with gynecologic cancer: A systematic review. *Evidence-Based Complementary and Alternative Medicine*, 2020, 8063172. <https://doi.org/10.1155/2020/8063172>
- Gaiha, S.M., Salisbury, T.T., Usmani, S., Koschorke, M., Raman, U., & Peticrew, M. (2021). Effectiveness of arts interventions to reduce mental-health-related stigma among youth: A systematic review and meta-analysis. *BMC Psychiatry*, 21, 364. <https://doi.org/10.1186/s12888-021-03350-8>
- Goodman-Casanova, J.M., Guzman-Parra, J., Mayoral-Cleries, F., & Cuesta-Lozano, D. (2024). Community-based art groups in mental health recovery: A systematic review and narrative synthesis. *J Psychiatr Ment Health Nurs*, 31(2), 158-173. <https://doi.org/10.1111/jpm.12970>
- Goren, K., et al. (2023). The impact of music, play, and pet therapies in managing pain and anxiety in paediatric patients in a hospital: A rapid systematic review. *Paediatr Child Health*, 28(4), 218-224. <https://doi.org/10.1093/pch/pxad010>
- Grebosz-Haring, K., Thun-Hohenstein, L., Schuchter-Wiegand, A.K., Irons, Y., Bathke, A., Phillips, K., & Clift, S. (2022). The need for robust critique of arts and health research: Young people, art therapy and mental health. *Front Psychol*, 13, 821093. <https://doi.org/10.3389/fpsyg.2022.821093>
- Griffin, C., Fenner, P., Landorf, K. B., & Cotchett, M. (2021). Effectiveness of art therapy for people with eating disorders: A mixed methods systematic review. *The Arts in Psychotherapy*, 76, 101859. <https://doi.org/10.1016/j.aip.2021.101859>
- Haeyen, S. (2022). Effects of arts and psychomotor therapies in personality disorders. Developing a treatment guideline based on a systematic review using GRADE. *Front Psychiatry*, 13, 878866. <https://doi.org/10.3389/fpsyg.2022.878866>
- Han, B., Jia, Y., Hu, G., Bai, L., Gains, H., You, S., He, R., Jiao, Y., Huang, K., Cui, L., & Chen, L. (2024). The effects of visual art therapy on adults with depressive symptoms: A systematic review and meta-analysis. *Int J Mental Health Nurs*, Apr. 2024.

<https://doi.org/10.1111/inm.13331>

Havsteen-Franklin, D., Haeyen, S., Grant, C., & Karkou, V. (2019). A thematic synthesis of therapeutic actions in arts therapies and their perceived effects in the treatment of people with a diagnosis of Cluster B personality disorder. *The Arts in Psychotherapy*, 63, 128-140.

<https://doi.org/10.1016/j.aip.2018.10.001>

Irons, J.Y., Garip, G., Cross, A.J., Sheffield, D., & Bird, J. (2020). An integrative systematic review of creative arts interventions for older informal caregivers of people with neurological conditions. *PLoS ONE*, 15(12), e0243461. <https://doi.org/10.1371/journal.pone.0243461>

Jiang, X.-H., Chen, X.-J., Xie, Q.-Q., Feng, Y.-S., Chen, S., & Peng, J.-S. (2020). Effects of art therapy in cancer care: A systematic review and meta-analysis. *European Journal of Cancer Care*, 29(5), e13277. <https://doi.org/10.1111/ecc.13277>

Kievisiene, J., Jautakyte, R., Rauckiene-Michaelsson, A., Fatkulina, N., & Agostinis-Sobrinho, C. (2020). The effect of art therapy and music therapy on breast cancer patients: What we know and what we need to find out – A systematic review. *Evidence-Based Complementary and Alternative Medicine*, 2020, 7390321. <https://doi.org/10.1155/2020/7390321>

Kim, K.S., Loring, S., & Kwekkeboom, K. (2017). Use of art-making intervention for pain and quality of life among cancer patients: A systematic review. *Journal of Holistic Nursing*, 36(4), 341-353. <https://doi.org/10.1177/0898010117726633>

LaPenna, D., & Tariman, J.D. (2020). Art therapy: A literature review of efficacy in improving psychosomatic symptoms in patients with cancer. *Clinical Journal of Oncology Nursing*, 24(2), 123-126. <https://doi.org/10.1188/20.CJON.123-126>

Lee, J. B., McIlfatrick, S., & Fitzpatrick, L. (2021). Arts engagement facilitated by artists with individuals with life-limiting illness: A systematic integrative review of the literature. *Palliative Medicine*, 35(10), 1815-1831. <https://doi.org/10.1177/02692163211045895>

Liu, S., Huang, X., Liu, Y., Yue, J., Li, Y., & Chen, L. (2024). A scoping review of the use of creative activities in stroke rehabilitation. *Clin Rehabil*, 38(4), 497-509. <https://doi.org/10.1177/02692155241227049>

Lo, T.L.T., Lee, J.L.C., & Ho, R.T.H. (2018). Creative arts-based therapies for stroke survivors: A qualitative systematic review. *Frontiers in Psychology*, 9, 1646. <https://doi.org/10.3389/fpsyg.2018.01646>

Malik, S. (2021). Using neuroscience to explore creative media in art therapy: A systematic narrative review. *International Journal of Art Therapy, Ahead-of-print*, 1-13. <https://doi.org/10.1080/17454832.2021.1998165>

- Martínez-Vérez, V., Gil-Ruiz, P., & Domínguez-Lloria, S. (2024). Interventions through art therapy and music therapy in autism spectrum disorder, ADHD, language disorders, and learning disabilities in pediatric-aged children: A systematic review. *Children*, 11(6), 706.
<https://doi.org/10.3390/children11060706>
- Masika, G.M., Yu, D.S.F., & Li, P.W.C. (2020). Visual art therapy as a treatment option for cognitive decline among older adults. A systematic review and meta-analysis. *Journal of Advanced Nursing*, 76(8), 1892-1910. <https://doi.org/10.1111/jan.14362>
- Melesse, T.G., Chau, J.P.C., & Nan, M.A. (2022). Effectiveness of psychosocial interventions on health outcomes of children with cancer: A systematic review of randomised controlled trials. *Eur J Cancer Care*, 31(6), e13695. <https://doi.org/10.1111/ecc.13695>
- Michael, T., Schanz, C.G., Mattheus, H.K., Issler, T., Frommberger, U., Köllner, V., & Equit, M. (2019). Do adjuvant interventions improve treatment outcome in adult patients with posttraumatic stress disorder receiving trauma-focused psychotherapy? A systematic review. *European Journal of Psychotraumatology*, 10, 1634938. <https://doi.org/10.1080/20008198.2019.1634938>
- Mitchell, C.R., & Mitchell, E.S. (2020). PMH3 Effects of art therapy on depression and anxiety in patients undergoing medical treatment: A systematic review. *Value in Health*, 23, S584.
- Motlagh, E.G., Bakhshi, M., Davoudi, N., Ghasemi, A., & Moonaghi, H.K. (2023). The physical and psychological outcomes of art therapy in pediatric palliative care: A systematic review. *J Res Med Sci*, 28, 13. https://doi.org/10.4103/jrms.jrms_268_22
- Moula, Z. (2020). A systematic review of the effectiveness of art therapy delivered in school-based settings to children aged 5-12 years. *International Journal of Art Therapy*, 25(2), 88-99.
<https://doi.org/10.1080/17454832.2020.1751219>
- Oepen, R., & Gruber, H. (2023). Art-based interventions and art therapy to promote health of migrant populations – a systematic literature review of current research. *Arts Health*, Sept. 2023, 1-19. <https://doi.org/10.1080/17533015.2023.2252003>
- Oladeji, E.O., Ezeme, C., & Bamigbola, S. (2022). A systematic review of the effect of arts-based interventions on patient care in Nigeria. *Cureus*, 14(12), e32883.
<https://doi.org/10.7759/cureus.32883>
- Pedra Cruz Bettin, B., Urquiza Nogueira, L., Bertasso de Araujo, P.A., & Antunes, L.C. (2024). Visual art- and music-based interventions as adjuvants in the treatment of eating disorders: A systematic review and a theoretical model. *Arts Health*, 16(2), 167-188.
<https://doi.org/10.1080/17533015.2023.2218408>
- Peng, J., & Cheng, D. (2024). The effectiveness of therapeutic artmaking on depression, anxiety,

quality of life, and psychological distress in cancer patients on chemotherapy: A systematic review of the literature. *Support Care Cancer*, 32(4), 245. <https://doi.org/10.1007/s00520-024-08427-0>

- Potash, J.S., Mann, S.M., Martinez, J.C., Roach, A.B., & Wallace, N.M. (2016). Spectrum of art therapy practice: Systematic literature review of art therapy, 1983 – 2014. *Art Therapy: Journal of the American Art Therapy Association*, 33(3), 119-127.
- Raybin, J.L., Harnke, B., & Hendricks-Ferguson, V. (2022). Does creative arts therapy improve distressing symptoms in children with cancer? A synthesis of extant literature. *J Pediatr Hematol Oncol Nurs*, 39(1), 60-71. <https://doi.org/10.1177/27527530211059432>
- Rieger, K.L., Lobchuk, M.M., Duff, M.A., Chernomas, W.M., Demczuk, L., Campbell-Enns, H.J., Zaborniak, A.-R., Nweze, S., & West, C.H. (2020). Mindfulness-based arts interventions for cancer care: A systematic review of the effects on wellbeing and fatigue. *Psycho-Oncology*, 30(2), 240-251. <https://doi.org/10.1002/pon.5560>
- Ruddy R, Milnes D. Art therapy for schizophrenia or schizophrenia-like illnesses. Cochrane Database of Systematic Reviews 2005, Issue 4. Art. No.: CD003728. DOI: 10.1002/14651858.CD003728.pub2
- Schnitzer, G., Holttum, S., & Huet, V. (2020). A systematic literature review of the impact of art therapy upon post-traumatic stress disorder. *International Journal of Art Therapy*, 26(4), 147-160. <https://doi.org/10.1080/17454832.2021.1910719>
- Schouten, K.A., de Niet, G.J., Knipscheer, J.W., Kleber, R.J., & Hutschemaekers, G.J.M. (2015). The effectiveness of art therapy in the treatment of traumatized adults: A systematic review on art therapy and trauma. *Trauma, Violence & Abuse*, 16(2), 220-228. <https://doi.org/10.1177/1524838014555032>
- Scope, A., Uttley, L., & Sutton, A. (2017). A qualitative systematic review of service user and service provider perspectives on the acceptability, relative benefits, and potential harms of art therapy for people with non-psychotic mental health disorders. *The British Psychological Society*, 90, 25-43. <https://doi.org/10.1111/papt.12093>
- Smriti, D., Ambulkar, S., Meng, Q., Kaimal, G., Kamotar, K., Park, Y., & Huh-Yoo, J. (2022). Creative arts therapies for the mental health of emerging adults: A systematic review. *The Arts in Psychotherapy*, 77, 101861. <https://doi.org/10.1016/j.aip.2021.101861>
- Sonke, J., Sams, K., Morgan-Daniel, J., Pumariega, A., Mallick, F., Pesata, V., & Olsen, N. (2021). Systematic review of art-based interventions to address suicide prevention and survivorship in Australia, Canada, the United Kingdom, and the United States of America. *Health Promotion Practice*, 22(1s), 53S-63S. <https://doi.org/10.1177/1524839921996350>

- Tang, Y., Fu, F., Gao, H., Shen, L., Chi, I., & Bai, Z. (2019). Art therapy for anxiety, depression, and fatigue in females with breast cancer: A systematic review. *Journal of Psychosocial Oncology*, 37(1), 79-95. <https://doi.org/10.1080/07347332.2018.1506855>
- Uttley, L., Stevenson, M., Scope, A., Rawdin, A., & Sutton, A. (2015). The clinical and cost effectiveness of group art therapy for people with non-psychotic mental health disorders: A systematic review and cost-effectiveness analysis. *BMC Psychiatry*, 15, 151. <https://doi.org/10.1186/s12888-015-0528-4>
- Van Lith, T. (2016). Art therapy in mental health: A systematic review of approaches and practices. *The Arts in Psychotherapy*, 47, 9-22. <https://doi.org/10.1016/j.aip.2015.09.003>
- van Veen, S., Drenth, H., Hobbelen, H., Finnema, E., Teunissen, S., & de Graaf, E. (2024). Non-pharmacological interventions feasible in the nursing scope of practice for pain relief in palliative care patients: A systematic review. *Palliat Care Soc Pract*, 18, 26323524231222496. <https://doi.org/10.1177/26323524231222496>
- Wang, Y.Y., Wang, X.X., Chen, L., Liu, Y., & Li, Y.R. (2023). A systematic review and network meta-analysis comparing various non-pharmacological treatments for older people with mild cognitive impairment. *Asian J Psychiatry*, 86, 103635. <https://doi.org/10.1016/j.ajp.2023.103635>
- Weiskittle, R.E., & Gramling, S.E. (2018). The therapeutic effectiveness of using visual art modalities with the bereaved: A systematic review. *Psychology Research and Behavior Management*, 11, 9-24. <http://dx.doi.org/10.2147/PRBM.S131993>
- Xunlin, N.G., Lau, Y., & Klainin-Yobas, P. (2019). The effectiveness of mindfulness-based interventions among cancer patients and survivors: A systematic review and meta-analysis. *Supportive Care in Cancer*, 28, 1563-1578. <https://doi.org/10.1007/s00520-019-05219-9>
- Yang, Q., Shao, Q., Xu, Q., Shi, H., & Li, L. (2021). Art therapy alleviates the levels of depression and blood glucose in diabetic patients: A systematic review and meta-analysis. *Frontiers in Psychology*, 12, 639626. <https://doi.org/10.3389/fpsyg.2021.639626>
- Yin, Z., Dong, X., & Zhang, M. (2023). Effects of visual-art therapy on depression in patients: A systematic review and meta-analysis. *Asian J Surg*, 46(5), 2259-2260. <https://doi.org/10.1016/j.asjsur.2022.12.005>
- Zhang, M.Q., Liu, X., & Huang, Y. (2024). Does mandala art improve psychological well-being in patients? A systematic review. *J Integr Complement Med*, 30(1), 25-36. <https://doi.org/10.1089/jicm.2022.0780>
- Zhao, F.Y., Kennedy, G.A., Xu, P., Conduit, R., Wang, Y.M., Zhang, W.J., Wang, H.R., Yue, L.P., Huang, Y.L., Wang, Y., Xu, Y., Fu, Q.Q., & Zheng, Z. (2023). Identifying complementary and

alternative medicine recommendations for anxiety treatment and care: A systematic review and critical assessment of comprehensive clinical practice guidelines. *Front Psychiatry*, 14, 1290580. <https://doi.org/10.3389/fpsyt.2023.1290580>

Zhou, S., Yu, M., Zhou, Z., Wang, L., Liu, W., & Dai, Q. (2023). The effects of art therapy on quality of life and psychosomatic symptoms in adults with cancer: A systematic review and meta-analysis. *BMC Complement Med Ther*, 23(1), 434. <https://doi.org/10.1186/s12906-023-04258-4>

Ayurveda:

Ahmad A, Gundeti MS, Dave PP, Jameela S, Khanduri S, Rao BC, Srikanth N. Efficacy and safety of Ayurveda interventions for sinusitis: a systematic review and meta-analysis. *J Complement Integr Med*. 2021 Oct 11;20(2):316-327. doi: 10.1515/jcim-2021-0390. PMID: 34634197.

Balkrishna A, Singh S, Srivastava D, Mishra S, Sharma S, Mishra R, Arya V. A systematic review on traditional, ayurvedic, and herbal approaches to treat solar erythema. *Int J Dermatol*. 2023 Mar;62(3):322-336. doi: 10.1111/ijd.16231. Epub 2022 May 29. PMID: 35643834.

Chattopadhyay K, Kapoor N, Heinrich M, Mitra A, Mittal M, Lewis SA, Greenfield SM, Mukherjee S, Pischel I, Jeemon P, Tandon N, Kinra S, Biswas TK, Leonardi-Bee J. Development process of a clinical guideline to manage type 2 diabetes in adults by Ayurvedic practitioners. *Front Med (Lausanne)*. 2023 Jan 30;10:1043715. doi: 10.3389/fmed.2023.1043715. PMID: 36793876; PMCID: PMC9922832.

Chattopadhyay K, Wang H, Kaur J, Nalbant G, Almaqhawi A, Kundakci B, Panniyammakal J, Heinrich M, Lewis SA, Greenfield SM, Tandon N, Biswas TK, Kinra S, Leonardi-Bee J. Effectiveness and Safety of Ayurvedic Medicines in Type 2 Diabetes Mellitus Management: A Systematic Review and Meta-Analysis. *Front Pharmacol*. 2022 Jun 8;13:821810. doi: 10.3389/fphar.2022.821810. PMID: 35754481; PMCID: PMC9213670.

Dudhamal TS. Review of grey literature on Ayurveda wound healing formulations and procedures - A systematic review. *J Ayurveda Integr Med*. 2023 Jul-Aug;14(4):100779. doi: 10.1016/j.jaim.2023.100779. Epub 2023 Aug 7. PMID: 37556864; PMCID: PMC10424143.

Egwumba P, Nellums L, Bains M, Chattopadhyay K. Ayurveda for managing noncommunicable diseases in organisation for economic co-operation and development: A qualitative systematic review protocol on experiences, perceptions, and perspectives of ayurvedic practitioners and patients. *Health Sci Rep*. 2023 Sep 14;6(9):e1530. doi: 10.1002/hsr2.1530. PMID: 37720168;

- Fawzy NA, Abou Shaar B, Taha RM, Arabi TZ, Sabbah BN, Alkodaymi MS, Omrani OA, Makhzoum T, Almahfoudh NE, Al-Hammad QA, Hejazi W, Obeidat Y, Osman N, Al-Kattan KM, Berbari EF, Tleyjeh IM. A systematic review of trials currently investigating therapeutic modalities for post- acute COVID-19 syndrome and registered on WHO International Clinical Trials Platform. *Clin Microbiol Infect.* 2023 May;29(5):570-577. doi: 10.1016/j.cmi.2023.01.007. Epub 2023 Jan 13. PMID: 36642173; PMCID: PMC9837206.
- Kj S, Nk M, Pg A. Ayurveda, yoga, and acupuncture therapies in alleviating the symptom score among patients with spinal cord injury - A systematic review. *J Ayurveda Integr Med.* 2023 Jul- Aug;14(4):100749. doi: 10.1016/j.jaim.2023.100749. Epub 2023 Jul 17. PMID: 37467569; PMCID: PMC10372387.
- Koch AK, Patel M, Gupta S, Wullenkord R, Jeitler M, Kessler CS. Efficacy and safety of the Ayurvedic herbal preparation Maharishi Amrit Kalash: a systematic review of randomized controlled trials. *Front Med (Lausanne).* 2024 Apr 16;11:1325037. doi: 10.3389/fmed.2024.1325037. PMID: 38690176; PMCID: PMC11058942.
- Kulamarva K, Shivakumar V, Chikkanna U, Ramakrishna KK, Bhargav H, Varambally S. Role of Ayurveda in the management of psychotic disorders: A systematic review of clinical evidence. *J Ayurveda Integr Med.* 2023 May-Jun;14(3):100720. doi: 10.1016/j.jaim.2023.100720. Epub 2023 Jun 7. PMID: 37290315; PMCID: PMC10267528.
- Rathi I, Mavi A, Shannawaz M, Saeed S, Yadav A, Hasan S. Effectiveness of Ayurveda Intervention in the Management of Infertility: A Systematic Review. *Cureus.* 2024 Apr 6;16(4):e57730. doi: 10.7759/cureus.57730. PMID: 38711705; PMCID: PMC11073818.
- Schmale IL, Nimmagadda SV, Ravikumar S, Babb CN, Man LX. Ayurvedic medicine for the treatment of chronic rhinosinusitis: a systematic review of randomized and non-randomized trials. *J Complement Integr Med.* 2023 Feb 20;20(4):675-688. doi: 10.1515/jcim-2022-0062. PMID: 36800361.
- V KK, Ahmad A, Srivastava AK, Namdev Kamble P, Sudhakar D, Makhija P, Rao BC, Srikanth N. Efficacy and Safety of Ayurveda interventions in the management of conjunctivitis: A systematic review and meta-analysis. *Complement Ther Clin Pract.* 2022 May;47:101568. doi: 10.1016/j.ctcp.2022.101568. Epub 2022 Mar 3. PMID: 35259570.
- Vallish BN, Dang D, Dang A. Nature and mechanism of immune boosting by Ayurvedic medicine: A systematic review of randomized controlled trials. *World J Methodol.* 2022 May 20;12(3):132-147. doi: 10.5662/wjm.v12.i3.132. PMID: 35721243; PMCID: PMC9157632.

Bioidentical Hormones:

American College of Obstetricians and Gynecologists (ACOG) Committee on Clinical Consensus – Gynecology. (2023). Compounded bioidentical menopausal hormone therapy. *Obstetrics & Gynecology*, 142(5), 1266-1273.

American College of Obstetricians and Gynecologists (ACOG) Committee on Gynecologic Practice, & American Society for Reproductive Medicine (ASRM) Practice Committee. (2012). Compounded bioidentical menopausal hormone therapy. *Fertility and Sterility*, 98(2), 308-312.

<https://doi.org/10.1016/j.fertnstert.2012.06.002>

Endocrine Society. (2019). *Compounded bioidentical hormone therapy*.

<https://www.endocrine.org/advocacy/position-statements/compounded-bioidentical-hormone-therapy>

Gaudard AIS, Silva de Souza S, Puga MES, Marjoribanks J, da Silva EMK, Torloni MR. Bioidentical hormones for women with vasomotor symptoms. Cochrane Database of Systematic Reviews 2016, Issue 8. Art. No.: CD010407. DOI: 10.1002/14651858.CD010407.pub2

Liu, Y., Yuan, Y., Day, A.J., Zhang, W., John, P., Ng, D.J., & Banov, D. (2022). Safety and efficacy of compounded bioidentical hormone therapy (cBHT) in perimenopausal and postmenopausal women: A systematic review and meta-analysis of randomized controlled trials. *Menopause*, 29(4), 465-482. <https://doi.org/10.1097/GME.0000000000001937>

The North American Menopause Society (NAMS). (2017). The 2017 hormone therapy position statement of The North American Menopause Society. *The Journal of The North American Menopause Society*, 24(7), 728-753. <https://doi.org/10.1097/GME.0000000000000921>

The North American Menopause Society (NAMS). (2022). The 2022 hormone therapy position statement of The North American Menopause Society. *The Journal of The North American Menopause Society*, 29(7), 767-794. <https://doi.org/10.1097/GME.0000000000002028>

Whelan, A.M., Jurgens, T.M., & Trinacty, M. (2011). Defining bioidentical hormones for menopause-related symptoms. *Pharmacy Practice*, 9(1), 16-22.

Cellular Therapy:

Aetna. (2023). Adoptive Immunotherapy and Cellular Therapy.

https://www.aetna.com/cpb/medical/data/600_699/0641.html

Centers for Medicare & Medicaid Services (CMS). (n.d.). NCD 30.8 Cellular Therapy.

<https://www.cms.gov/medicare-coverage->

[database/view/ncd.aspx?ncdid=6&ncdver=1&keyword=cellular%20therapy&keywordType=starts&areaId=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance&bc=1](https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=6&ncdver=1&keyword=cellular%20therapy&keywordType=starts&areaId=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance&bc=1)

Colonic Irrigation:

Anthem. (2023). High-volume Colonic Irrigation.

https://www.anthem.com/dam/medpolicies/abc/active/policies/mp_pw_e001866.html

Centers for Medicare & Medicaid Services (CMS). (n.d.). NCD 100.7 Colonic Irrigation.

<https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?NCDId=2>

van de Wetering FT, Verleye L, Andreyev HN, Maher J, Vlayen J, Pieters BR, van Tienhoven G, Scholten RJPM. Non-surgical interventions for late rectal problems (proctopathy) of radiotherapy in people who have received radiotherapy to the pelvis. Cochrane Database of Systematic Reviews 2016, Issue 4. Art. No.: CD003455. DOI: 10.1002/14651858.CD003455.pub2

Exercise Classes:

Bluethmann SM, Vernon SW, Gabriel KP, Murphy CC, Bartholomew LK. Taking the next step: a systematic review and meta-analysis of physical activity and behavior change interventions in recent post-treatment breast cancer survivors. *Breast Cancer Res Treat.* 2015 Jan;149(2):331-42. doi: 10.1007/s10549-014-3255-5. Epub 2015 Jan 3. PMID: 25555831; PMCID: PMC4310805.

Comer C, Williamson E, McIlroy S, Srikesavan C, Dalton S, Melendez-Torres GJ, Lamb SE. Exercise treatments for lumbar spinal stenosis: A systematic review and intervention component analysis of randomised controlled trials. *Clin Rehabil.* 2024 Mar;38(3):361-374. doi: 10.1177/02692155231201048. Epub 2023 Sep 16. PMID: 37715644; PMCID: PMC10829420.

Craft LL, Vaniterson EH, Helenowski IB, Rademaker AW, Courneya KS. Exercise effects on depressive symptoms in cancer survivors: a systematic review and meta-analysis. *Cancer Epidemiol Biomarkers Prev.* 2012 Jan;21(1):3-19. doi: 10.1158/1055-9965.EPI-11-0634. Epub 2011 Nov 8. PMID: 22068286; PMCID: PMC3253916.

Hoffmann I, Shojaa M, Kohl M, von Stengel S, Becker C, Gosch M, Jakob F, Kerschman-Schindl K, Kladny B, Clausen J, Lange U, Middeldorf S, Peters S, Schoene D, Sieber C, Tholen R, Thomasius F, Bischoff-Ferrari HA, Uder M, Kemmler W. Exercise Reduces the Number of Overall and Major Osteoporotic Fractures in Adults. Does Supervision Make a Difference?

- Systematic Review and Meta-Analysis. *J Bone Miner Res.* 2022 Nov;37(11):2132-2148. doi: 10.1002/jbmr.4683. Epub 2022 Sep 9. PMID: 36082625.
- O'Brien K, Nixon S, Glazier RH, Tynan AM. Progressive resistive exercise interventions for adults living with HIV/AIDS. *Cochrane Database Syst Rev.* 2004 Oct 18;(4):CD004248. doi: 10.1002/14651858.CD004248.pub2. PMID: 15495092.
- Swinton PA, Shim JSC, Pavlova AV, Moss R, Maclean C, Brandie D, Mitchell L, Greig L, Parkinson E, Tzortziou Brown V, Morrissey D, Alexander L, Cooper K. What are small, medium, and large effect sizes for exercise treatments of tendinopathy? A systematic review and meta-analysis. *BMJ Open Sport Exerc Med.* 2023 Feb 27;9(1):e001389. doi: 10.1136/bmjsem-2022-001389. PMID: 36865768; PMCID: PMC9972446.
- Wind J, Koelemay MJ. Exercise therapy and the additional effect of supervision on exercise therapy in patients with intermittent claudication. Systematic review of randomised controlled trials. *Eur J Vasc Endovasc Surg.* 2007 Jul;34(1):1-9. doi: 10.1016/j.ejvs.2006.12.030. Epub 2007 Feb 27. PMID: 17329131.
- Zhou BJ, Huang G, Wang W, Zhu LH, Deng YX, He YY, Ma FH. Intervention effects of four exercise modalities on nonalcoholic fatty liver disease: a systematic review and Bayesian network meta-analysis. *Eur Rev Med Pharmacol Sci.* 2021 Dec;25(24):7687-7697. doi: 10.26355/eurev_202112_27615. PMID: 34982430.

Hair Analysis:

- Aetna. (2024). Hair Analysis. https://www.aetna.com/cpb/medical/data/300_399/0300.html
- Centers for Medicare & Medicaid Services (CMS). (1978). NCD 190.6 Hair Analysis. <https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=189&ver=1>
- Jouybari L, Kiani F, Islami F, Sanagoo A, Sayehmiri F, Hosnedlova B, Doşa MD, Kizek R, Chirumbolo S, Björklund G. Copper Concentrations in Breast Cancer: A Systematic Review and Meta-Analysis. *Curr Med Chem.* 2020;27(37):6373-6383. doi: 10.2174/0929867326666190918120209. PMID: 31533596.
- Wołowicz P, Michalak I, Chojnacka K, Mikulewicz M. Hair analysis in health assessment. *Clin Chim Acta.* 2013 Apr 18;419:139-71. doi: 10.1016/j.cca.2013.02.001. Epub 2013 Feb 13. PMID: 23415695.

Hippotherapy:

Aetna. (2024). Hippotherapy. https://www.aetna.com/cpb/medical/data/100_199/0151.html

Albuquerque de Araújo, P., Pimenta Starling, J.M., Oliveira, V.C., Bensemann Gontijo, A.P., & Mancini,

M.C. (2020). Combining balance-training interventions with other active interventions may enhance effects on postural control in children and adolescents with cerebral palsy: A systematic review and meta-analysis. *Brazilian Journal of Physical Therapy*, 24(4), 295-305. <https://doi.org/10.1016/j.bjpt.2019.04.005>

Alves Silva, R. K., & Souto, D.O. (2020). Rehabilitation of lower limbs in diplegic cerebral palsy.

Fisioterapia Brasil, 21(1), 104-113. <https://doi.org/10.33233fb.v21i1.2840>

Anestis, M.D., Anestis, J.C., Zawilinski, L.L., Hopkins, T.A., & Lilienfeld, S.O. (2014). Equine-related treatments for mental disorders lack empirical support: A systematic review of empirical investigations. *Journal of Clinical Psychology*, 70(12), 1115-1132. <https://doi.org/10.1002/jclp.22113>

Barkoudah, E., & Whitaker, A. (2023). Cerebral palsy: Treatment of spasticity, dystonia, and associated orthopedic issues. https://www.uptodate.com/contents/cerebral-palsy-treatment-of-spasticity-dystonia-and-associated-orthopedic-issues?search=hippotherapy&source=search_result&selectedTitle=1%7E2&usage_type=default&display_rank=1

de Oliveira Riberio, F., Pimentel, G.C., Pantoja Moraes, N.O., & dos Santos Blois, L.V. (2019). The effects of equine therapy in children with autism. *Fisioterapia Brasil*, 20(5), 684-691. <https://doi.org/10.33233/fb.v20i5.2703>

Droboniku, M.J., & Mychailyszyn, M.P. (2021). Animal interaction affecting core deficit domains among children with autism: A meta-analysis. *Journal of Autism and Developmental Disorders*, 51(12), 4605-4620. <https://doi.org/10.1007/s10803-021-04891-3>

Faccioli S, Pagliano E, Ferrari A, Maghini C, Siani MF, Sgherri G, Cappetta G, Borelli G, Farella GM, Foscan M, Viganò M, Sghedoni S, Perazza S, Sassi S. Evidence-based management and motor rehabilitation of cerebral palsy children and adolescents: a systematic review. *Front Neurol*. 2023 May 25;14:1171224. doi: 10.3389/fneur.2023.1171224. PMID: 37305763; PMCID: PMC10248244.

Ferreira Silva, M.B., Silva Santos, T.M., Costa, V.N., Jr., de Barros, R.M., & Lisboa Cordeiro, A.L.

(2020). Equotherapy on functional performance in children with cerebral paralysis: A MMPP 46.0 Complementary and Alternative Medicine

- systematic review. *Fisioterapia Brasil*, 21(3), 314-321. <https://doi.org/10.33233/fb.v21i3.3897>
- García-Arandilla A, González-Gázquez T, Morgado-Pérez A, Davalos Yerovi V, Tejero-Sánchez M, Meza-Valderrama D. Hipoterapia versus simuladores de hipoterapia como opción de tratamiento en niños con parálisis cerebral: revisión sistemática [Hippotherapy versus hippotherapy simulators as a treatment option in children with cerebral palsy: A systematic review]. *Rehabilitacion (Madr)*. 2024 Jan-Mar;58(1):100816. Spanish. doi: 10.1016/j.rh.2023.100816. Epub 2023 Oct 18. PMID: 37862777.
- Herrero Gallego, P., García Antón, E., Monserrat Cantera, M.E., Oliván Blázquez, B., Gómez Trullén, E.M., & Trenado Molina, J. (2012). Therapeutic effects of hippotherapy in cerebral palsy: A systematic review. *Fisioterapia*, 34(5), 225-234. <https://doi.org/10.1016/j.ft.2012.03.008>
- Heussen N, Häusler M. Equine-Assisted Therapies for Children With Cerebral Palsy: A Meta-analysis. *Pediatrics*. 2022 Jul 1;150(1):e2021055229. doi: 10.1542/peds.2021-055229. PMID: 35656779.
- Hoagwood, K.E., Acri, M., Morrissey, M., & Peth-Pierce, R. (2017). Animal-assisted therapies for youth with or at risk for mental health problems: A systematic review. *Applied Developmental Science*, 21(1), 1-13. <https://doi.org/10.1080/10888691.2015.1134267>
- Hyun C, Kim K, Lee S, Ko N, Lee IS, Koh SE. The Short-term Effects of Hippotherapy and Therapeutic Horseback Riding on Spasticity in Children With Cerebral Palsy: A Meta-analysis. *Pediatr Phys Ther*. 2022 Apr 1;34(2):172-178. doi: 10.1097/PEP.0000000000000880. PMID: 35184078; PMCID: PMC8959353.
- Jormfeldt, H., & Carlsson, I.-M. (2018). Equine-assisted therapeutic interventions among individuals diagnosed with schizophrenia: A systematic review. *Issues in Mental Health Nursing*, 39(8), 647-656. <https://doi.org/10.1080/01612840.2018.1440450>
- Marquez, J., Weerasekara, I., & Chambers, L. (2020). Hippotherapy in adults with acquired brain injury: A systematic review. *Physiotherapy Theory and Practice*, 36(7), 779-790. <https://doi.org/10.1080/09593985.2018.1494233>
- Obrero-Gaitán E, Montoro-Cárdenas D, Cortés-Pérez I, Osuna-Pérez MC. Effectiveness of Mechanical Horse-Riding Simulator-Based Interventions in Patients with Cerebral Palsy-A Systematic Review and Meta-Analysis. *Bioengineering (Basel)*. 2022 Dec 11;9(12):790. doi: 10.3390/bioengineering9120790. PMID: 36550996; PMCID: PMC9774556.
- Palomar-Ciria N, Bello HJ. Equine-Assisted Therapy in Post-Traumatic-Stress Disorder: A Systematic Review and Meta-Analysis. *J Equine Vet Sci*. 2023 Sep;128:104871. doi: 10.1016/j.jevs.2023.104871. Epub 2023 Jun 22. PMID: 37355148.
- Pantera, E., Vernay, D., Gautheron, V., Laffont, I., & Gaviria, M. (2015). Does hippotherapy improve

motor function in children with cerebral palsy? Systematic review. *Annals of Physical and Rehabilitation Medicine*, 58(1s), e131. <https://doi.org/10.1016/j.rehab.2015.07.311>

Peia F, Veiga NC, Gomes AP, Santos BND, Marques NMS, Glória IPDS, Goulardins JB. Effects of Hippotherapy on Postural Control in Children With Cerebral Palsy: A Systematic Review. *Pediatr Phys Ther*. 2023 Apr 1;35(2):202-210. doi: 10.1097/PEP.0000000000000999. Epub 2023 Mar 3. PMID: 36867588.

Pérez-Gómez, J., Amigo-Gamero, H., Collado-Mateo, D., Barrios-Fernandez, S., Muñoz-Bermejo, L., Garcia-Gordillo, M.A., Carlos-Vivas, J., & Adsuar, J.C. (2021). Equine-assisted activities and therapies in children with attention-deficit/hyperactivity disorder: A systematic review. *Journal of Psychiatric and Mental Health Nursing*, 28(6), 1079-1091. <https://doi.org/10.1111/jpm.12710>

Physical therapy with hippotherapy compared to physical therapy alone in children with cerebral palsy: Systematic review and meta-analysis. *Dev Med Child Neurol*. 2022 Aug 27. doi: 10.1111/dmcn.15399. Epub ahead of print. PMID: 36030376.

Potvin-Bélanger A, Vincent C, Freeman A, Flamand VH. Impact of hippotherapy on the life habits of children with disabilities: a systematic review. *Disabil Rehabil*. 2022 Dec;44(26):8161-8175. doi: 10.1080/09638288.2021.2012847. Epub 2022 Jan 19. PMID: 35043743.

Prieto, A.V., da Silva, F.C., da Silva, R., Teixeira Santos, J.A., & Barbosa Gutierrez Filho, P.J. (2018). The hippotherapy in the rehabilitation of individuals with cerebral palsy: A systematic review of clinical trials. *Cadernos Brasileiros de Terapia Ocupacional*, 26(1), 207-218. <https://doi.org/10.4322/2526-8910.ctoAR1067>

Prieto A, Martins Almeida Ayupe K, Nemetala Gomes L, Saúde AC, Gutierrez Filho P. Effects of equine-assisted therapy on the functionality of individuals with disabilities: systematic review and meta-analysis. *Physiother Theory Pract*. 2022 Sep;38(9):1091-1106. doi: 10.1080/09593985.2020.1836694. Epub 2020 Oct 21. PMID: 33084452.

Santos de Assis G, Schlichting T, Rodrigues Mateus B, Gomes Lemos A, Dos Santos AN. Physical therapy with hippotherapy compared to physical therapy alone in children with cerebral palsy: systematic review and meta-analysis. *Dev Med Child Neurol*. 2022 Feb;64(2):156-161. doi: 10.1111/dmcn.15042. Epub 2021 Aug 28. PMID: 34453750.

Stern, C., & Chur-Hansen, A. (2018). An umbrella review of the evidence for equine-assisted interventions. *The Australian Psychological Society*, 71, 361-374. <https://doi.org/10.1111/ajpy.12246>

Tseng, S.-H., Chen, H.-C., & Tam, K.-W. (2012). Systematic review and meta-analysis of the effect of

equine assisted activities and therapies on gross motor outcome in children with cerebral palsy.

Disability and Rehabilitation, 35(2), 89-99. <https://doi.org/10.3109/09638288.2012.687033>

Wang, G., Ma, R., Qiao, G., Wada, K., Aizawa, Y., Satoh, T. (2015). The effect of riding as an alternative treatment for children with cerebral palsy: A systematic review and meta-analysis. *Integrative Medicine International*, 1(4), 211-222. <https://doi.org/10.1159/000368408>

Wilkie, K.D., Germain, S., & Theule, J. (2016). Evaluating the efficacy of equine therapy among at-risk youth: A meta-analysis. *Anthrozoös*, 29(3), 377-393. <https://doi.org/10.1080/08927936.2016.1189747>

Hypnosis:

Abushukur Y, Cascardo C, Ibrahim Y, Teklehaimanot F, Knackstedt R. Improving Breast Surgery Outcomes Through Alternative Therapy: A Systematic Review. *Cureus*. 2022 Mar 24;14(3):e23443. doi: 10.7759/cureus.23443. PMID: 35481320; PMCID: PMC9034658.

Adachi, T., Fujino, H., Nakae, A., Mashimo, T., & Sasaki, J. (2014). A meta-analysis of hypnosis for chronic pain problems: A comparison between hypnosis, standard care, and other psychological interventions. *International Journal of Clinical and Experimental Hypnosis*, 62(1), 1-28. <https://doi.org/10.1080/00207144.2013.841471>

Barnes J, Dong CY, McRobbie H, Walker N, Mehta M, Stead LF. Hypnotherapy for smoking cessation. *Cochrane Database of Systematic Reviews* 2010, Issue 10. Art. No.: CD001008. DOI: 10.1002/14651858.CD001008.pub2

Birnie KA, Noel M, Chambers CT, Uman LS, Parker JA. Psychological interventions for needle-related procedural pain and distress in children and adolescents. *Cochrane Database of Systematic Reviews* 2018, Issue 10. Art. No.: CD005179. DOI: 10.1002/14651858.CD005179.pub4.

Bissonnette J, Dumont E, Pinard AM, Landry M, Rainville P, Ogez D. Hypnosis and music interventions for anxiety, pain, sleep, and well-being in palliative care: systematic review and meta-analysis. *BMJ Support Palliat Care*. 2024 Jan 8;13(e3):e503-e514. doi: 10.1136/bmjspcare-2022-003551. PMID: 35292511.

Catsaros S, Wendland J. Psychological impact of hypnosis for pregnancy and childbirth: A systematic review. *Complement Ther Clin Pract*. 2023 Feb;50:101713. doi: 10.1016/j.ctcp.2022.101713. Epub 2022 Dec 5. PMID: 36509031.

Chen, P.-Y., Liu, Y.-M., & Chen, M.-L. (2017). The effect of hypnosis on anxiety in patients with cancer: A meta-analysis. *Worldviews on Evidence-Based Nursing*, 14(3), 223-236.

- Coitinho Biurra Y, Chesterman S, Skvarc D, Mikocka-Walus A, Evans S. Hypnotherapy for chronic pelvic pain: A scoping systematic review and meta-analysis. *Complement Ther Clin Pract*. 2023 Aug;52:101771. doi: 10.1016/j.ctcp.2023.101771. Epub 2023 May 22. PMID: 37253319.
- Connors MH, Quinto L, Deeley Q, Halligan PW, Oakley DA, Kanaan RA. Hypnosis, and suggestion as interventions for functional neurological disorder: A systematic review. *Gen Hosp Psychiatry*. 2024 Jan-Feb;86:92-102. doi: 10.1016/j.genhosppsych.2023.12.006. Epub 2023 Dec 14. PMID: 38154334.
- Danon, N., Al-Gobari, M., Burnand, B., & Rodondi, P.-Y. (2021). Are mind-body therapies effective for relieving cancer-related pain in adults? A systematic review and meta-analysis. *Psycho-Oncology*. <https://doi.org/10.1002/pon.5821>
- Dhar V, Randall CL, Marghalani AA, Jayaraman J, Chen CY, Wells M, Law C, Gosnell E, Majstorović M, Townsend J, Wedeward R. Nonpharmacological Behavior Guidance for Children During Preventive Dental Visits: A Systematic Review-Part 1. *Pediatr Dent*. 2023 May 15;45(3):181-196. PMID: 37381126.
- Dumont É, Ogez D, Nahas S, El-Baalbaki G. The Use of Hypnosis during the Perinatal Period: A Systematic Review. *Int J Clin Exp Hypn*. 2023 Jan-Mar;71(1):25-47. doi: 10.1080/00207144.2022.2160258. Epub 2023 Jan 9. PMID: 36622308.
- Fausto DY, Martins JBB, Moratelli JA, Lima AG, Guimarães ACA. The Effect of Body Practices and Physical Exercise on Sexual Function of Menopausal Women. A Systematic Review with Meta-Analysis. *Int J Sex Health*. 2023 Jun 13;35(3):414-426. doi: 10.1080/19317611.2023.2220327. PMID: 38601725; PMCID: PMC10903687.
- Fernández-Gamero L, Reinoso-Cobo A, Ruiz-González MDC, Cortés-Martín J, Muñoz Sánchez I, Mellado-García E, Piqueras-Sola B. Impact of Hypnotherapy on Fear, Pain, and the Birth Experience: A Systematic Review. *Healthcare (Basel)*. 2024 Mar 8;12(6):616. doi: 10.3390/healthcare12060616. PMID: 38540580; PMCID: PMC10970289.
- Franch M, Alarcón A, Capafons A. Applications of Hypnosis as an Adjuvant in Oncological Settings: A Systematic Review. *Int J Clin Exp Hypn*. 2023 Jan-Mar;71(1):1-24. doi: 10.1080/00207144.2022.2160255. Epub 2023 Jan 9. PMID: 36622292.
- Ganslev CA, Storebø OJ, Callesen HE, Ruddy R, Søgaard U. Psychosocial interventions for conversion and dissociative disorders in adults. *Cochrane Database of Systematic Reviews* 2020, Issue 7. Art. No.: CD005331. DOI: 10.1002/14651858.CD005331.pub3.
- Gasteratos K, Papakonstantinou M, Man A, Babatsikos E, Tamaloni A, Goverman J. Adjunctive

Nonpharmacologic Interventions for the Management of Burn Pain: A Systematic Review.

Plast Reconstr Surg. 2022 May 1;149(5):985e-994e. doi: 10.1097/PRS.00000000000009059. Epub 2022 Mar 18. PMID: 35311762.

Gruchala, A., Marski, K., & Zalewska-Janowska, A. (2020). Psychotherapeutic methods in psoriasis.

Our Dermatol Online, 11(2), 113-119. <https://doi.org/10.7241/ourd.20202.1>

Gurav KM, Kulkarni N, Shetty V, Vinay V, Borade P, Ghadge S, Bhor K. Effectiveness of Audio and Audio-Visual Distraction Aids for Management of Pain and Anxiety in Children and Adults Undergoing Dental Treatment- A Systematic Review And Meta-Analysis. *J Clin Pediatr Dent*. 2022 Mar 1;46(2):86-106. doi: 10.17796/1053-4625-46.2.2. PMID: 35533223.

Han J, Cheng HL, Bi LN, Molasiotis A. Mind-body therapies for sleep disturbance among patients with cancer: A systematic review and meta-analysis. *Complement Ther Med*. 2023 Aug;75:102954. doi: 10.1016/j.ctim.2023.102954. Epub 2023 May 25. PMID: 37244384.

Hartmann-Boyce, J., Livingstone-Banks, J., Ordóñez-Mena, J., Fanshawe, T.R., Lindson, N., Freeman, S.C., Sutton, A.J., Theodoulou, A., & Aveyard, P. (2021). *Behavioral interventions for smoking cessation: An overview and network meta-analysis*. Cochrane Database of Systematic Reviews. <https://doi.org/10.1002/14651858.CD013229.pub2>

Hoffmann B, Erwood K, Ncomanzi S, Fischer V, O'Brien D, Lee A. Management strategies for adult patients with dental anxiety in the dental clinic: a systematic review. *Aust Dent J*. 2022 Mar;67 Suppl 1(Suppl 1):S3-S13. doi: 10.1111/adj.12926. Epub 2022 Jul 12. PMID: 35735746; PMCID: PMC9796536.

Holler, M., Koranyi, S., Strauss, B., & Rosendahl, J. (2021). Efficacy of hypnosis in adults undergoing surgical procedures: A meta-analytic update. *Clinical Psychology Review*, 85, 102001. <https://doi.org/10.1016/j.cpr.2021.102001>

Huang T, Shu X, Huang YS, Cheuk DKL. Complementary and miscellaneous interventions for nocturnal enuresis in children. Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD005230. DOI: 10.1002/14651858.CD005230.pub2

Izquierdo de Santiago A, Khan M. Hypnosis for schizophrenia. Cochrane Database of Systematic Reviews 2007, Issue 4. Art. No.: CD004160. DOI: 10.1002/14651858.CD004160.pub3

Krouwel, M., Farley, A., Greenfield, S., Ismail, T., & Jolly, K. (2021). Systematic review, meta-analysis with subgroup analysis of hypnotherapy for irritable bowel syndrome, effect of intervention characteristics. *Complementary Therapies in Medicine*, 57, 102672. <https://doi.org/10.1016/j.ctim.2021.102672>

Lam, T.-H., Chung, K.-F., Yeung, W.-F., Yu, B.Y.-M., Yung, K.-P., & Ng, T.H.-Y. (2015). Hypnotherapy MMPP 46.0 Complementary and Alternative Medicine

for insomnia: A systematic review and meta-analysis of randomized controlled trials.

Complementary Therapies in Medicine, 23(5), 719-732. <https://doi.org/10.1016/j.ctim.2015.07.011>

- Langlois P, Perrochon A, David R, Rainville P, Wood C, Vanhaudenhuyse A, Pageaux B, Ounajim A, Lavallière M, Debarnot U, Luque-Moreno C, Roulaud M, Simoneau M, Goudman L, Moens M, Rigoard P, Billot M. Hypnosis to manage musculoskeletal and neuropathic chronic pain: A systematic review and meta-analysis. *Neurosci Biobehav Rev*. 2022 Apr;135:104591. doi: 10.1016/j.neubiorev.2022.104591. Epub 2022 Feb 19. PMID: 35192910.
- Lanini I, Amass T, Calabrisotto CS, Fabbri S, Falsini S, Adembri C, Di Filippo A, Romagnoli S, Villa G. The influence of psychological interventions on surgical outcomes: a systematic review. *J Anesth Analg Crit Care*. 2022 Jul 9;2(1):31. doi: 10.1186/s44158-022-00057-4. PMID: 37386591; PMCID: PMC10245433.
- Ma Y, Li Y, Wang C, Zhang Y, Wang L, Hu R, Yin Y, He F. Effects of non-pharmacological interventions on pain in wound patients during dressing change: A systematic review. *Nurs Open*. 2024 Feb;11(2):e2107. doi: 10.1002/nop2.2107. PMID: 38391098; PMCID: PMC10830920.
- Madden K, Middleton P, Cyna AM, Matthewson M, Jones L. Hypnosis for pain management during labour and childbirth. *Cochrane Database of Systematic Reviews* 2016, Issue 5. Art. No.: CD009356. DOI: 10.1002/14651858.CD009356.pub3
- Maloh J, Engel T, Natarelli N, Nong Y, Zufall A, Sivamani RK. Systematic Review of Psychological Interventions for Quality of Life, Mental Health, and Hair Growth in Alopecia Areata and Scarring Alopecia. *J Clin Med*. 2023 Jan 26;12(3):964. doi: 10.3390/jcm12030964. PMID: 36769612; PMCID: PMC9917611.
- Mamoune S, Mener E, Chapron A, Poimboeuf J. Hypnotherapy, and insomnia: A narrative review of the literature. *Complement Ther Med*. 2022 May;65:102805. doi: 10.1016/j.ctim.2022.102805. Epub 2022 Jan 21. PMID: 35074550.
- Manyande A, Cyna AM, Yip P, Chooi C, Middleton P. Non-pharmacological interventions for assisting the induction of anaesthesia in children. *Cochrane Database of Systematic Reviews* 2015, Issue 7. Art. No.: CD006447. DOI: 10.1002/14651858.CD006447.pub3
- Maresca G, Nocito V, Lo Buono V, Latella D, Di Cara M, Formica C, Carnazza L, Sessa E, Bramanti P, Corallo F. Hypnotherapy as a Nonpharmacological Treatment for the Psychological Symptoms of Multiple Sclerosis. *Altern Ther Health Med*. 2023 May;29(4):266-269. PMID: 35180100.
- Martono M, Akhyar M, Pamungkasari EP, Lestari A. Results of professional interventions to improve medication adherence based on health beliefs and important determinants of tuberculosis medication: a systematic review. *Eur Rev Med Pharmacol Sci*. 2023 Dec;27(24):11794-11805.

doi: 10.26355/eurrev_202312_34778. PMID: 38164843.

McKittrick ML, Connors EL, McKernan LC. Hypnosis for Chronic Neuropathic Pain: A Scoping Review. *Pain Med.* 2022 May 4;23(5):1015-1026. doi: 10.1093/pm/pnab320. PMID: 34718772.

Merz AE, Campus G, Abrahamsen R, Wolf TG. Hypnosis on acute dental and maxillofacial pain relief: A systematic review and meta-analysis. *J Dent.* 2022 Aug;123:104184. doi: 10.1016/j.jdent.2022.104184. Epub 2022 Jun 9. PMID: 35691451.

Milling, L.S., Valentine, K.E., McCarley, H.S., & LoStimolo, L.M. (2019). A meta-analysis of hypnotic interventions for depression symptoms: High hopes for hypnosis? *American Journal of Clinical Hypnosis*, 61(3), 227-243. <https://doi.org/10.1080/00029157.2018.1489777>

Milling, L.S., Valentine, K.E., LoStimolo, L.M., Nett, A.M., & McCarley, H.S. (2021). Hypnosis and the alleviation of clinical pain: A comprehensive meta-analysis. *International Journal of Clinical and Experimental Hypnosis*, 69(3), 297-322. <https://doi.org/10.1080/00207144.2021.1920330>

Molassiotis A, Affronti ML, Fleury M, Olver I, Giusti R, Scotte F. 2023 MASCC/ESMO consensus antiemetic guidelines related to integrative and non-pharmacological therapies. *Support Care Cancer.* 2023 Dec 16;32(1):30. doi: 10.1007/s00520-023-08225-0. PMID: 38102373.

Nishi D, Shirakawa MN, Ota E, Hanada N, Mori R. Hypnosis for induction of labour. *Cochrane Database of Systematic Reviews* 2014, Issue 8. Art. No.: CD010852. DOI: 10.1002/14651858.CD010852.pub2

Pang JWV, Subramaniam P, Amit N, Wahab S, Moustafa AA. Hypnotherapy as Treatment for Depression: A Scoping Review. *Int J Clin Exp Hypn.* 2024 Apr-Jun;72(2):155-188. doi: 10.1080/00207144.2024.2317193. Epub 2024 Feb 28. PMID: 38416132.

Pestana-Santos, M., João Pereira, M., Pestana-Santos, A., Santos, E., Goncalves, A., Cardoso, D., Lomba, L., & Santos, M.R. (2021). Effectiveness of non-pharmacological interventions to manage anxiety in adolescents in the perioperative period: A systematic review and meta-analysis. *Journal of Perioperative Nursing*, 34(3), e15-e25.

Provençal, S.-C., Bond, S., Rizkallah, E., & El-Baalbaki, G. (2018). Hypnosis for burn wound care pain and anxiety: A systematic review and met-analysis. *Burns*, 44(8), 1870-1881. <https://doi.org/10.1016/j.burns.2018.04.017>

Ramondo, N., Gignac, G.E., Pestell, C.F., & Byrne, S.M. (2021). Clinical hypnosis as an adjunct to cognitive behavior therapy: An updated meta-analysis. *International Journal of Clinical and Experimental Hypnosis*, 69(2), 169-202. <https://doi.org/10.1080/00207144.2021.1877549>

Rosendahl J, Alldredge CT, Haddenhorst A. Meta-analytic evidence on the efficacy of hypnosis for mental and somatic health issues: a 20-year perspective. *Front Psychol.* 2024 Jan

8;14:1330238. doi: 10.3389/fpsyg.2023.1330238. PMID: 38268815; PMCID: PMC10807512.

Sado M, Ota E, Stickley A, Mori R. Hypnosis during pregnancy, childbirth, and the postnatal period for preventing postnatal depression. *Cochrane Database of Systematic Reviews* 2012, Issue 6. Art. No.: CD009062. DOI: 10.1002/14651858.CD009062.pub2 Sine H, Achbani A, Filali K. The Effect of Hypnosis on the Intensity of Pain and Anxiety in Cancer Patients: A Systematic Review of Controlled Experimental Trials. *Cancer Invest.* 2022 Mar;40(3):235-253. doi: 10.1080/07357907.2021.1998520. Epub 2021 Nov 26. PMID: 34698595.

Thompson, T., Terhune, D.B., Oram, C., Sharangparni, J., Rouf, R., Solmi, M., Veronese, N., & Stubbs, B. (2019). The effectiveness of hypnosis for pain relief: A systematic review and meta-analysis of 85 controlled experimental trials. *Neuroscience & Biobehavioral Reviews*, 99, 298-310. <https://doi.org/10.1016/j.neubiorev.2019.02.013>

Valentine, K.E., Milling, L.S., Clark, L.J., & Moriarty, C.L. (2019). The efficacy of hypnosis as a treatment for anxiety: A meta-analysis. *International Journal of Clinical and Experimental Hypnosis*, 67(3), 336-363. <https://doi.org/10.1080/00207144.2019.1613863>

Webb AN, Kukuruzovic R, Catto-Smith AG, Sawyer SM. Hypnotherapy for treatment of irritable bowel syndrome. *Cochrane Database of Systematic Reviews* 2007, Issue 4. Art. No.: CD005110. DOI: 10.1002/14651858.CD005110.pub2

Wetendorff Noergaard, M., Håkonsen, S.J., Bjerrum, M., & Pedersen, P.U. (2019). The effectiveness of hypnotic analgesia in the management of procedural pain in minimally invasive procedures: A systematic review and meta-analysis. *Journal of Clinical Nursing*, 28(23-24), 4207-4224. <https://doi.org/10.1111/jocn.15025>

Wofford N, Snyder M, Corlett CE, Elkins GR. Systematic Review of Hypnotherapy for Sleep and Sleep Disturbance. *Int J Clin Exp Hypn.* 2023 Jul-Sep;71(3):176-215. doi: 10.1080/00207144.2023.2226177. Epub 2023 Jul 3. PMID: 37399315.

Wolf TG, Faerber KA, Rummel C, Halsband U, Campus G. Functional Changes in Brain Activity Using Hypnosis: A Systematic Review. *Brain Sci.* 2022 Jan 13;12(1):108. doi: 10.3390/brainsci12010108. PMID: 35053851; PMCID: PMC8773773.

Wolf TG, Schläppi S, Benz CI, Campus G. Efficacy of Hypnosis on Dental Anxiety and Phobia: A Systematic Review and Meta-Analysis. *Brain Sci.* 2022 Apr 20;12(5):521. doi: 10.3390/brainsci12050521. PMID: 35624907; PMCID: PMC9138388.

Zech, N., Hansen, E., Bernardy, K., & Häuser, W. (2017). Efficacy, acceptability, and safety of guided imagery/hypnosis in fibromyalgia – A systematic review and meta-analysis of randomized controlled trials. *European Journal of Pain*, 21(2), 217-227. <https://doi.org/10.1002/ejp.933>

Zeng J, Wang L, Cai Q, Wu J, Zhou C. Effect of hypnosis before general anesthesia on postoperative outcomes in patients undergoing minor surgery for breast cancer: a systematic review and meta-analysis. *Gland Surg.* 2022 Mar;11(3):588-598. doi: 10.21037/gs-22-114. PMID: 35402208; PMCID: PMC8984985.

Zhang, Y., Montoya, L., Ebrahim, S., Busse, J.W., Couban, R., McCabe, R.E., Bieling, P., Carrasco-Labra, A., & Guyatt, G.H. (2015). Hypnosis/relaxation therapy for temporomandibular disorders: A systematic review and meta-analysis of randomized controlled trials. *J Oral Facial Pain Headache*, 29, 115-125. <https://doi.org/10.11607/ofph.1330>

Massage Therapy:

Almeida MO, Silva BNG, Andriolo RB, Atallah ÁN, Peccin MS. Conservative interventions for treating exercise-related musculotendinous, ligamentous, and osseous groin pain. *Cochrane Database of Systematic Reviews* 2013, Issue 6. Art. No.: CD009565. DOI: 10.1002/14651858.CD009565.pub2

Alsabri M, Carfagnini C, Amin M, Castilo F, Lewis J, Ashkar M, Hamzah M, Mohamed N, Saker M, Mahgerefteh J, St Victor R, Peichev M, Kupferman F, Viswanathan K. Complementary and alternative medicine for children with sickle cell disease: A systematic review. *Blood Rev.* 2023 May;59:101052. doi: 10.1016/j.blre.2023.101052. Epub 2023 Jan 30. PMID: 36775794.

Barnes SP, Ma Y, Patel B, Muthayya P. Efficacy of Massage Techniques for Hypertrophic Burn Scars - A Systematic Review of Literature. *J Burn Care Res.* 2024 Mar 4;45(2):356-365. doi: 10.1093/jbcr/irad140. PMID: 37698247.

Bennett C, Underdown A, Barlow J. Massage for promoting mental and physical health in typically developing infants under the age of six months. *Cochrane Database of Systematic Reviews* 2013, Issue 4. Art. No.: CD005038. DOI: 10.1002/14651858.CD005038.pub3

Cabanas-Valdés, R., Calvo-Sanz, J., Serra-Llobet, P., Alcoba-Kait, J., González-Rueda, V., & Rodríguez-Rubio, P.R. (2021). The effectiveness of massage therapy for improving sequelae in post-stroke survivors. A systematic review and meta-analysis. *International Journal of Environmental Research and Public Health*, 18, 4424. <https://doi.org/10.3390/ijerph18094424>

Chen, S.-C., Yu, B.Y.-M., Suen, L.K.-P., Yu, J., Ho, F.Y.-Y., Yang, J.-J., Yeung, W.-F. (2019). Massage therapy for the treatment of attention deficit/hyperactivity disorder (ADHD) in children and adolescents: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 42, 389-399. <https://doi.org/10.1016/j.ctim.2018.12.011>

- Chu SWF, Ng WJ, Yeam CT, Khan RQ, Low LL, Quah JHM, Foo WYM, Seng JJB. Manipulative and body-based methods in chronic kidney disease patients: A systematic review of randomized controlled trials. *Complement Ther Clin Pract*. 2022 Aug;48:101593. doi: 10.1016/j.ctcp.2022.101593. Epub 2022 Apr 15. PMID: 35439704.
- Coggrave M, Norton C, Cody JD. Management of faecal incontinence and constipation in adults with central neurological diseases. *Cochrane Database of Systematic Reviews* 2014, Issue 1. Art. No.: CD002115. DOI: 10.1002/14651858.CD002115.pub5
- Cole JS, Olson AD, Dupont-Versteegden EE. The Effects of Massage Therapy in Decreasing Pain and Anxiety in Post-Surgical Patients With Breast Cancer: A Systematic Review and Meta-Analysis. *Glob Adv Integr Med Health*. 2024 Apr 16;13:27536130241245099. doi: 10.1177/27536130241245099. PMID: 38633004; PMCID: PMC11022679.
- Cong Z, Tai Y, Gao T, Zhang L, Jiang R, Li P, Liu M. The effect of therapeutic massage on patients with obesity: A systematic review and meta-analysis. *Heliyon*. 2024 Apr 4;10(7):e28791. doi: 10.1016/j.heliyon.2024.e28791. PMID: 38633635; PMCID: PMC11021892.
- Dennis C, Dowswell T. Interventions (other than pharmacological, psychosocial, or psychological) for treating antenatal depression. *Cochrane Database of Systematic Reviews* 2013, Issue 7. Art. No.: CD006795. DOI: 10.1002/14651858.CD006795.pub3
- Ding F, Liu Z, Li R, Wang C, Lu Y. Acupuncture plus massage for cervicogenic headache: A protocol for systematic review and meta-analysis. *Medicine (Baltimore)*. 2022 Jan 28;101(4):e28736. doi: 10.1097/MD.00000000000028736. PMID: 35089247; PMCID: PMC8797556.
- Fang CS, Chang SL, Fang CJ, Chou FH. Effect of massage therapy on sleep quality in critically ill patients: A systematic review and meta-analysis. *J Clin Nurs*. 2023 Aug;32(15-16):4362-4373. doi: 10.1111/jocn.16660. Epub 2023 Feb 23. PMID: 36823692.
- Franco JVA, Turk T, Jung J, Xiao Y, Iakhno S, Garrote V, Vietto V. Non-pharmacological interventions for treating chronic prostatitis/chronic pelvic pain syndrome. *Cochrane Database of Systematic Reviews* 2018, Issue 5. Art. No.: CD012551. DOI: 10.1002/14651858.CD012551.pub3
- Furlan AD, Giraldo M, Baskwill A, Irvin E, Imamura M. Massage for low-back pain. *Cochrane Database of Systematic Reviews* 2015, Issue 9. Art. No.: CD001929. DOI: 10.1002/14651858.CD001929.pub3
- Goldman EF, Jones DE. Interventions for preventing hamstring injuries. *Cochrane Database of Systematic Reviews* 2010, Issue 1. Art. No.: CD006782. DOI: 10.1002/14651858.CD006782.pub2
- Gross A, Langevin P, Burnie SJ, Bédard-Brochu M, Empey B, Dugas E, Faber-Dobrescu M, Andres C, Graham N, Goldsmith CH, Brønfort G, Hoving JL, LeBlanc F. Manipulation and mobilisation

for neck pain contrasted against an inactive control or another active treatment. Cochrane Database of Systematic Reviews 2015, Issue 9. Art. No.: CD004249. DOI: 10.1002/14651858.CD004249.pub4

Gross AR, Lee H, Ezzo J, Chacko N, Gelley G, Forget M, Morien A, Graham N, Santaguida PL, Rice M, Dixon C. Massage for neck pain. Cochrane Database of Systematic Reviews 2024, Issue 2. Art. No.: CD004871. DOI: 10.1002/14651858.CD004871.pub5.

Hansen NV, Jørgensen T, Ørtenblad L. Massage and touch for dementia. Cochrane Database of Systematic Reviews 2006, Issue 4. Art. No.: CD004989. DOI: 10.1002/14651858.CD004989.pub2
Hawke F, Sadler SG, Katzberg HD, Pourkazemi F, Chuter V, Burns J. Non-drug therapies for the secondary prevention of lower limb muscle cramps. Cochrane Database of Systematic Reviews 2021, Issue 5. Art. No.: CD008496. DOI: 10.1002/14651858.CD008496.pub3.

Heidari Z, Shahrbanian S, Chiu C. Massage therapy as a complementary and alternative approach for people with multiple sclerosis: a systematic review. *Disabil Rehabil.* 2022 Oct;44(20):5758-5769. doi: 10.1080/09638288.2021.1949051. Epub 2021 Aug 1. PMID: 34338108.

Hillier SL, Louw Q, Morris L, Uwimana J, Statham S. Massage therapy for people with HIV/AIDS. Cochrane Database of Systematic Reviews 2010, Issue 1. Art. No.: CD007502. DOI: 10.1002/14651858.CD007502.pub2

Hondras MA, Linde K, Jones AP. Manual therapy for asthma. Cochrane Database of Systematic Reviews 2005, Issue 2. Art. No.: CD001002. DOI: 10.1002/14651858.CD001002.pub2

Hu R, Jiang X, Chen J, Zeng Z, Chen XY, Li Y, Huining X, Evans DJW. Non-pharmacological interventions for sleep promotion in the intensive care unit. Cochrane Database of Systematic Reviews 2015, Issue 10. Art. No.: CD008808. DOI: 10.1002/14651858.CD008808.pub2

Huichai P, Kelin Z, Shuo D, Ting L, Jing W, Zhongchen H, Fang P. Effectiveness of massage therapy on anxiety and depression of COVID-19 convalescent: A protocol for systematic review and meta-analysis. *Medicine (Baltimore).* 2022 Nov 25;101(47):e31650. doi: 10.1097/MD.00000000000031650. PMID: 36451407; PMCID: PMC9704935.

Khianman B, Pattanittum P, Thinkhamrop J, Lumbiganon P. Relaxation therapy for preventing and treating preterm labour. Cochrane Database of Systematic Reviews 2012, Issue 8. Art. No.: CD007426. DOI: 10.1002/14651858.CD007426.pub2

Kudchadkar SR, Berger J, Patel R, Barnes S, Twose C, Walker T, Mitchell R, Song J, Anton B, Punjabi NM. Non-pharmacological interventions for sleep promotion in hospitalized children. Cochrane Database of Systematic Reviews 2022, Issue 6. Art. No.: CD012908. DOI:

10.1002/14651858.CD012908.pub2.

Lee AS-Y, Gibbon FE. Non-speech oral motor treatment for children with developmental speech sound disorders. *Cochrane Database of Systematic Reviews* 2015, Issue 3. Art. No.: CD009383. DOI: 10.1002/14651858.CD009383.pub2

Li J, Piao F, Zeng Q, Yan H, Bi Y, Zhang S, Song B. The effect of massage on patients with chronic fatigue syndrome: A systematic review and meta-analysis. *Medicine (Baltimore)*. 2024 May 3;103(18):e37973. doi: 10.1097/MD.00000000000037973. PMID: 38701244; PMCID: PMC11062744.

Loew LM, Brosseau L, Tugwell P, Wells GA, Welch V, Shea B, Poitras S, De Angelis G, Rahman P. Deep transverse friction massage for treating lateral elbow or lateral knee tendinitis. *Cochrane Database of Systematic Reviews* 2014, Issue 11. Art. No.: CD003528. DOI: 10.1002/14651858.CD003528.pub2

Meizhuang W, Xu H, Chen Y. The efficacy and safety of massage therapy as an adjuvant in the treatment of hypoxic ischemic encephalopathy in neonates: A protocol for systematic review and meta-analysis. *Medicine (Baltimore)*. 2022 Apr 1;101(13):e28963. doi: 10.1097/MD.00000000000028963. PMID: 35421061; PMCID: PMC9276351.

Mete O, Kaya DO, Keskin M, Celenay ST. Western Massage Therapies in the Management of Neck Pain: A Systematic Review. *J Manipulative Physiol Ther*. 2023 Jan;46(1):37-51. doi: 10.1016/j.jmpt.2023.05.003. Epub 2023 Jul 8. PMID: 37422753.

Miri S, Hosseini SJ, Ghorbani Vajargah P, Firooz M, Takasi P, Mollaei A, Ramezani S, Tolouei M, Emami Zeydi A, Osuji J, Farzan R, Karkhah S. Effects of massage therapy on pain and anxiety intensity in patients with burns: A systematic review and meta-analysis. *Int Wound J*. 2023 Aug;20(6):2440-2458. doi: 10.1111/iwj.14089. Epub 2023 Jan 21. PMID: 36680488; PMCID: PMC10333016.

Mollà-Casanova S, Sempere-Rubio N, Muñoz-Gómez E, Aguilar-Rodríguez M, Serra-Añó P, Inglés M. Effects of massage therapy alone or together with passive mobilisations on weight gain and length of hospitalisation in preterm infants: Systematic review and meta-analysis. *Early Hum Dev*. 2023 Jul;182:105790. doi: 10.1016/j.earlhumdev.2023.105790. Epub 2023 May 16. PMID: 37224588.

Nahon, R.L., Lopes, J.S.S., & de Magalhães Neto, A.M. (2021). Physical therapy interventions for the treatment of delayed onset muscle soreness (DOMS): Systematic review and meta-analysis. *Physical Therapy in Sport*, 52, 1-12.

Natale P, Ruospo M, Saglimbene VM, Palmer SC, Strippoli GFM. Interventions for improving sleep

quality in people with chronic kidney disease. Cochrane Database of Systematic Reviews 2019, Issue 5. Art. No.: CD012625. DOI: 10.1002/14651858.CD012625.pub2

- Nemati D, Hinrichs R, Johnson A, Lauche R, Munk N. Massage Therapy as a Self-Management Strategy for Musculoskeletal Pain and Chronic Conditions: A Systematic Review of Feasibility and Scope. *J Integr Complement Med*. 2024 Apr;30(4):319-335. doi: 10.1089/jicm.2023.0271. Epub 2023 Oct 25. PMID: 37878283.
- Oliveira VHB, Mendonça KMPP, Monteiro KS, Silva IS, Santino TA, Nogueira PMS. Physical therapies for postural abnormalities in people with cystic fibrosis. Cochrane Database of Systematic Reviews 2020, Issue 3. Art. No.: CD013018. DOI: 10.1002/14651858.CD013018.pub2
- Preston NJ, Seers K, Mortimer PS. Physical therapies for reducing and controlling lymphoedema of the limbs. Cochrane Database of Systematic Reviews 2004, Issue 4. Art. No.: CD003141. DOI: 10.1002/14651858.CD003141.pub2
- Ren L, Guo R, Fu G, Zhang J, Wang Q. The efficacy and safety of massage adjuvant therapy in the treatment of diabetic peripheral neuropathy: A protocol for systematic review and meta-analysis of randomized controlled trials. *Medicine (Baltimore)*. 2022 Mar 11;101(10):e29032. doi: 10.1097/MD.00000000000029032. PMID: 35451409; PMCID: PMC8913081.
- Ren L, Zhang J, Guo R, Lyu C, Zhao D, Dong Z, He Z, Wang Q. The efficacy and safety of Chinese massage in the treatment of acute mastitis: A protocol for systematic review and meta-analysis of randomized controlled trials. *Medicine (Baltimore)*. 2022 Jan 21;101(3):e28504. doi: 10.1097/MD.00000000000028504. PMID: 35060502; PMCID: PMC8772635.
- Ruan H, Eungpinichpong W, Wu H, Shen M, Zhang A. Medicine Insufficient Evidence for the Efficacy of Massage as Intervention for Autism Spectrum Disorder: A Systematic Review. *Evid Based Complement Alternat Med*. 2022 Sep 24;2022:5328320. doi: 10.1155/2022/5328320. PMID: 36193150; PMCID: PMC9526643.
- Salarvand, S., Heidari, M.E., Farahi, K., Teymuri, E., Almasian, M., & Bitaraf, S. (2021). Effectiveness of massage therapy on fatigue and pain in patients with multiple sclerosis: A systematic review and meta-analysis. *Multiple Sclerosis Journal – Experimental, Translational and Clinical*, 7(2), 1-9. <https://doi.org/10.1177/20552173211022779>
- Shahbazi M, Khazaei S, Moslehi S, Shahbazi F. Effect of Massage Therapy for the Treatment of Neonatal Jaundice: A Systematic Review and Dose-Response Meta-analysis. *Int J Pediatr*. 2022 Mar 20;2022:9161074. doi: 10.1155/2022/9161074. PMID: 35356100; PMCID: PMC8958079.
- Shin E, Seo K, Lee S, Jang J, Jung Y, Kim M, Yeon J. Massage with or without aromatherapy for symptom relief in people with cancer. Cochrane Database of Systematic Reviews 2016, Issue 6.

Art. No.: CD009873. DOI: 10.1002/14651858.CD009873.pub3

Sinha S, Gabriel VA, Arora RK, Shin W, Scott J, Bharadia SK, Verly M, Rahmani WM, Nickerson DA, Fraulin FOG, Chatterjee P, Ahuja RB, Biernaskie JA. Interventions for postburn pruritus.

Cochrane Database of Systematic Reviews 2024, Issue 6. Art. No.: CD013468. DOI:

10.1002/14651858.CD013468.pub2.

Smart KM, Wand BM, O'Connell NE. Physiotherapy for pain and disability in adults with complex regional pain syndrome (CRPS) types I and II. Cochrane Database of Systematic Reviews

2016, Issue 2. Art. No.: CD010853. DOI: 10.1002/14651858.CD010853.pub2

Smith CA, Collins CT, Cyna AM, Crowther CA. Complementary and alternative therapies for pain management in labour. Cochrane Database of Systematic Reviews 2006, Issue 4. Art. No.:

CD003521. DOI: 10.1002/14651858.CD003521.pub2

Smith CA, Levett KM, Collins CT, Armour M, Dahlen HG, Sukanuma M. Relaxation techniques for pain management in labour. Cochrane Database of Systematic Reviews 2018, Issue 3. Art. No.:

CD009514. DOI: 10.1002/14651858.CD009514.pub2

Smith CA, Levett KM, Collins CT, Dahlen HG, Ee CC, Sukanuma M. Massage, reflexology, and other manual methods for pain management in labour. Cochrane Database of Systematic Reviews 2018,

Issue 3. Art. No.: CD009290. DOI: 10.1002/14651858.CD009290.pub3

Stuiver MM, ten Tusscher MR, Agasi-Idenburg CS, Lucas C, Aaronson NK, Bossuyt PMM.

Conservative interventions for preventing clinically detectable upper-limb lymphoedema in patients who are at risk of developing lymphoedema after breast cancer therapy. Cochrane

Database of Systematic Reviews 2015, Issue 2. Art. No.: CD009765. DOI:

10.1002/14651858.CD009765.pub2

Tang R, Gong S, Li J, Hu W, Liu J, Liao C. Efficacy of non-pharmacological interventions for sleep quality in Parkinson's disease: a systematic review and network meta-analysis. *Front Neurosci.*

2024 Feb 21;18:1337616. doi: 10.3389/fnins.2024.1337616. PMID: 38449730; PMCID:

PMC10914945.

Teixeira LJ, Valbuza JS, Prado GF. Physical therapy for Bell's palsy (idiopathic facial paralysis).

Cochrane Database of Systematic Reviews 2011, Issue 12. Art. No.: CD006283. DOI:

10.1002/14651858.CD006283.pub3

Verhagen AP, Bierma-Zeinstra SMA, Burdorf A, Stynes SM, de Vet HCW, Koes BW. Conservative interventions for treating work-related complaints of the arm, neck or shoulder in adults.

Cochrane Database of Systematic Reviews 2013, Issue 12. Art. No.: CD008742. DOI:

10.1002/14651858.CD008742.pub2

Walker BF, French SD, Grant W, Green S. Combined chiropractic interventions for low-back pain.

Cochrane Database of Systematic Reviews 2010, Issue 4. Art. No.: CD005427. DOI:
10.1002/14651858.CD005427.pub2

Wang X, Sun J, Li Z, Luo H, Zhao M, Li Z, Li Q. Impact of abdominal massage on enteral nutrition complications in adult critically ill patients: A systematic review and meta-analysis. *Complement Ther Med*. 2022 Mar;64:102796. doi: 10.1016/j.ctim.2021.102796. Epub 2021 Dec 10. PMID: 34902566.

Wegh CAM, Baaleman DF, Tabbers MM, Smidt H, Benninga MA. Nonpharmacologic Treatment for Children with Functional Constipation: A Systematic Review and Meta-analysis. *J Pediatr*. 2022 Jan;240:136-149.e5. doi: 10.1016/j.jpeds.2021.09.010. Epub 2021 Sep 16. PMID: 34536492.

Wheibe E, Dalkin BH, Meltzer HC, Russ-Sellers R, Grier JT. The Multisystem effects of Long COVID Syndrome and Potential Benefits of Massage Therapy in Long COVID Care. *Int J Ther Massage Bodywork*. 2024 Mar 14;17(1):19-42. doi: 10.3822/ijtmb.v17i1.767. PMID: 38486840; PMCID: PMC10911825.

Wilfling D, Calo S, Dichter MN, Meyer G, Möhler R, Köpke S. Non-pharmacological interventions for sleep disturbances in people with dementia. *Cochrane Database of Systematic Reviews* 2023, Issue 1. Art. No.: CD011881. DOI: 10.1002/14651858.CD011881.pub2.

Wu J, Yang F, Wang Z, Wang L, Tian T, Xue Z, Sun L. Pediatric massage therapy for treatment of tic disorders in children: A systematic review and meta-analysis of randomized controlled trials. *Medicine (Baltimore)*. 2024 Mar 22;103(12):e37568. doi: 10.1097/MD.00000000000037568. PMID: 38518056; PMCID: PMC10957010.

Wu, Q., Zhao, J., & Guo, W. (2022). Efficacy of massage therapy in improving outcomes in knee osteoarthritis: A systematic review and meta-analysis. *Complementary Therapies in Clinical Practice*, 46, 101522. <https://doi.org/10.1016/j.ctcp.2021.101522>

Ye G, Miao R, Chen J, Huang J, Jiang M. Effectiveness of Complementary and Alternative Medicine in Fibromyalgia Syndrome: A Network Meta-Analysis. *J Pain Res*. 2024 Jan 20;17:305-319. doi: 10.2147/JPR.S439906. PMID: 38268732; PMCID: PMC10807275.

Zakarija-Grkovic I, Stewart F. Treatments for breast engorgement during lactation. *Cochrane Database of Systematic Reviews* 2020, Issue 9. Art. No.: CD006946. DOI: 10.1002/14651858.CD006946.pub4.

Zhang Q, Sun Z, Yue J. Massage therapy for preventing pressure ulcers. *Cochrane Database of Systematic Reviews* 2015, Issue 6. Art. No.: CD010518. DOI: 10.1002/14651858.CD010518.pub2

Zhang T, Yan HX, An Y, Yin L, Sun PP, Zhao JN, Yan JT. The Efficacy and Safety of Manual Therapy for Symptoms Associated with Multiple Sclerosis: A Systematic Review and Meta-Analysis. *J*

Integr Complement Med. 2022 Oct;28(10):780-790. doi: 10.1089/jicm.2021.0382. Epub 2022 Oct 7. PMID: 36206232; PMCID: PMC9595630.

Zhang Y, Duan C, Cheng L, Li H. Effects of massage therapy on preterm infants and their mothers: a systematic review and meta-analysis of randomized controlled trials. *Front Pediatr*. 2023 Aug 31;11:1198730. doi: 10.3389/fped.2023.1198730. PMID: 37719450; PMCID: PMC10500070.

Zhang Y, Wang S, Ma X, Yuan Y, Cheng H, Lin L, Tian L. Massage therapy can effectively relieve cancer pain: A meta-analysis. *Medicine (Baltimore)*. 2023 Jul 7;102(27):e33939. doi: 10.1097/MD.00000000000033939. PMID: 37417622; PMCID: PMC10328622.

Zhu X, Proctor M, Bensoussan A, Wu E, Smith CA. Chinese herbal medicine for primary dysmenorrhoea. *Cochrane Database of Systematic Reviews* 2008, Issue 2. Art. No.: CD005288. DOI: 10.1002/14651858.CD005288.pub3

Zimpel SA, Torloni MR, Porfírio GJM, Flumignan RLG, da Silva EMK. Complementary and alternative therapies for post-caesarean pain. *Cochrane Database of Systematic Reviews* 2020, Issue 9. Art. No.: CD011216. DOI: 10.1002/14651858.CD011216.pub2.

Music Therapy:

Aalbers S, Fusar-Poli L, Freeman RE, Spreen M, Ket JCF, Vink AC, Maratos A, Crawford M, Chen X, Gold C. Music therapy for depression. *Cochrane Database of Systematic Reviews* 2017, Issue 11. Art. No.: CD004517. DOI: 10.1002/14651858.CD004517.pub3

Abd-ElGawad M, Abdelsattar NK, Kamel MA, Sabri YA, Fathy EM, El-Moez NA, Abdellatif YS, Metwally AA. The effect of music intervention in decreasing pain and anxiety during outpatient hysteroscopy procedure: a systematic review and meta-analysis of randomized control trials. *BMC Womens Health*. 2023 Jul 5;23(1):360. doi: 10.1186/s12905-023-02489-8. PMID: 37408035; PMCID: PMC10324128.

Abdulkaki H, Mo J, Limb CJ, Jiam NT. The Impact of Musical Rehabilitation on Complex Sound Perception in Cochlear Implant Users: A Systematic Review. *Otol Neurotol*. 2023 Dec 1;44(10):965-977. doi: 10.1097/MAO.0000000000004025. Epub 2023 Sep 28. PMID: 37758325.

Abraha I, Rimland JM, Lozano-Montoya I, Dell'Aquila G, Vélez-Díaz-Pallarés M, Trotta FM, Cruz-Jentoft AJ, Cherubini A. Simulated presence therapy for dementia. *Cochrane Database of Systematic Reviews* 2020, Issue 4. Art. No.: CD011882. DOI: 10.1002/14651858.CD011882.pub3.

- Agüero-Millan B, Abajas-Bustillo R, Ortego-Maté C. Efficacy of nonpharmacologic interventions in preoperative anxiety: A systematic review of systematic reviews. *J Clin Nurs*. 2023 Sep;32(17-18):6229-6242. doi: 10.1111/jocn.16755. Epub 2023 May 6. PMID: 37149743.
- Alashram AR, Janada Q, Ghrear T, Annino G. Role of music therapy in improving cognitive function post-traumatic brain injury: A systematic review. *Appl Neuropsychol Adult*. 2023 Jun 30:1-10. doi: 10.1080/23279095.2023.2228951. Epub ahead of print. PMID: 37389826.
- Amano T, Hooley C, Strong J, Inoue M. Strategies for implementing music-based interventions for people with dementia in long-term care facilities: A systematic review. *Int J Geriatr Psychiatry*. 2022 Jan;37(1). doi: 10.1002/gps.5641. Epub 2021 Oct 19. PMID: 34647348.
- Applewhite B, Cankaya Z, Heiderscheit A, Himmerich H. A Systematic Review of Scientific Studies on the Effects of Music in People with or at Risk for Autism Spectrum Disorder. *Int J Environ Res Public Health*. 2022 Apr 23;19(9):5150. doi: 10.3390/ijerph19095150. PMID: 35564544; PMCID: PMC9100336.
- Ashour ASA, Abd-ElGawad M, Yohanna M, El-Nagar M, Fadl AN, Goda GM, Ouerdane Y, Saad H, Fouad M, El-Nassery N, Kamel MA, Ezahaby I. Is music intervention effective in reducing anxiety and pain during breast biopsy procedure? A systematic review and meta-analysis of randomized controlled trials. *Support Care Cancer*. 2022 Dec;30(12):10379-10389. doi: 10.1007/s00520-022-07414-7. Epub 2022 Nov 9. PMID: 36350377; PMCID: PMC9715451.
- Barnish, M.S., & Barran, S.M. (2020). A systematic review of active group-based dance, singing, music therapy and theatrical interventions for quality of life, functional communication, speech, motor function and cognitive status in people with Parkinson's disease. *BMC Neurology*, 20, 371. <https://doi.org/10.1186/s12883-010-01938-3>
- Belski N, Abdul-Rahman Z, Youn E, Balasundaram V, Diep D. Review: The effectiveness of musical therapy in improving depression and anxiety symptoms among children and adolescents - a systematic review. *Child Adolesc Ment Health*. 2022 Nov;27(4):369-377. doi: 10.1111/camh.12526. Epub 2021 Dec 1. PMID: 34854208.
- Bissonnette J, Dumont E, Pinard AM, Landry M, Rainville P, Ogez D. Hypnosis and music interventions for anxiety, pain, sleep and well-being in palliative care: systematic review and meta-analysis. *BMJ Support Palliat Care*. 2024 Jan 8;13(e3):e503-e514. doi: 10.1136/bmjspcare-2022-003551. PMID: 35292511.
- Bleibel M, El Cheikh A, Sadier NS, Abou-Abbas L. The effect of music therapy on cognitive functions in patients with Alzheimer's disease: a systematic review of randomized controlled trials. *Alzheimers Res Ther*. 2023 Mar 27;15(1):65. doi: 10.1186/s13195-023-01214-9. PMID: 36973733;

- Bradt J, Dileo C, Myers-Coffman K, Biondo J. Music interventions for improving psychological and physical outcomes in people with cancer. *Cochrane Database of Systematic Reviews* 2021, Issue 10. Art. No.: CD006911. DOI: 10.1002/14651858.CD006911.pub4.
- Cao M, Zhang Z. Adjuvant music therapy for patients with hypertension: a meta-analysis and systematic review. *BMC Complement Med Ther*. 2023 Apr 6;23(1):110. doi: 10.1186/s12906-023-03929-6. PMID: 37024863; PMCID: PMC10077636.
- Caponnetto P, LaMattina G, Quattropani MC. Music therapy and psychological-clinical impact in surgery: a systematic review. *Health Psychol Res*. 2022 Oct 12;10(4):38615. doi: 10.52965/001c.38615. PMID: 36425235; PMCID: PMC9680838.
- Cassola EG, Santos LCD, Ferreira MSC, Correa Barbosa G, Betini M, Domingos TDS. Systematic Review of Music Therapy and Musical Interventions for Patients with Moderate and Severe Mental Disorders. *J Integr Complement Med*. 2024 Apr 30. doi: 10.1089/jicm.2023.0419. Epub ahead of print. PMID: 38686522.
- Chandrababu, R., Ramesh, J., Devi, E.S., Nayak, B.S., & George, A. (2021). Effectiveness of music on anxiety and pain among cardiac surgery patients: A quantitative systematic review and meta-analysis of randomized controlled trials. *International Journal of Nursing Practice*, 27(4), e12928. <https://doi.org/10.1111/ijn.12928>
- Chang EX, Brooker J, Hiscock R, O'Callaghan C. Music-based intervention impacts for people with eating disorders: A narrative synthesis systematic review. *J Music Ther*. 2023 Jun 3;60(2):202-231. doi: 10.1093/jmt/thac018. PMID: 37043419.
- Chen, C.-T., Tung, H.-H., Fang, C.-J., Wang, J.-L., Ko, N.-Y., Chang, Y.-J., & Chen, Y.-C. (2021). Effect of music therapy on improving sleep quality in older adults: A systematic review and meta-analysis. *Journal of the American Geriatrics Society*, 69(7), 1925-1932. <https://doi.org/10.1111/jgs.17149>
- Chen X, Chen L, Gao Y. The impact of music on anxiety, pain, and blood pressure in ophthalmic surgery: A systematic review and meta-analysis. *Complement Ther Med*. 2024 Aug;83:103062. doi: 10.1016/j.ctim.2024.103062. Epub 2024 Jun 4. PMID: 38844046.
- Cheng DK, Lai KSP, Pico-Espinosa OJ, Rice DB, Chung C, Modarresi G, Sud A. Interventions for Depressive Symptoms in People Living with Chronic Pain: A Systematic Review of Meta-Analyses. *Pain Med*. 2022 May 4;23(5):934-954. doi: 10.1093/pm/pnab248. PMID: 34373915; PMCID: PMC9071227.
- Chuang, C.-H., Chen, P.-C., Lee, C.S., Chen, C.-H., Tu, Y.-K., & Wu, S.-C. (2019). Music intervention for pain and anxiety management of the primiparous women during labour: A systematic

review and meta-analysis. *Journal of Advanced Nursing*, 75(4), 723-733.

<https://doi.org/10.1111/jan.13871>

- Citon LF, Hamdan AC. Effectiveness of music-based interventions for cognitive rehabilitation in Parkinson's disease: a systematic review of randomized controlled clinical trials. *Psicol Reflex Crit*. 2023 Aug 10;36(1):20. doi: 10.1186/s41155-023-00259-x. PMID: 37561275; PMCID: PMC10415237.
- Clark IN, Taylor NF, Peiris CL. Music listening interventions for physical activity: a systematic review and meta-analysis of randomised controlled trials. *Disabil Rehabil*. 2024 Jan;46(1):13-20. doi: 10.1080/09638288.2022.2155715. Epub 2022 Dec 15. PMID: 36523132.
- Costa VS, Bündchen DC, Sousa H, Pires LB, Felipetti FA. Clinical benefits of music-based interventions on preterm infants' health: A systematic review of randomised trials. *Acta Paediatr*. 2022 Mar;111(3):478-489. doi: 10.1111/apa.16222. Epub 2022 Jan 31. PMID: 34919292.
- da Silva Santa, I.N., Schveitzer, M.C., Barbosa Maia dos Santos, M.L., Ghelman, R., & Filho, V.O. (2021). Music interventions in pediatric oncology: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 59, 102725. <https://doi.org/10.1016/j.ctim.2021.102725>
- Dayuan Z, Lan L, Hui C, Huanjie L, Deliang L, Yihui D. The effect of music as an intervention for post-stroke depression: A systematic review and meta-analysis. *Complement Ther Med*. 2022 Dec;71:102901. doi: 10.1016/j.ctim.2022.102901. Epub 2022 Nov 15. PMID: 36399968.
- de Witte M, Pinho ADS, Stams GJ, Moonen X, Bos AER, van Hooren S. Music therapy for stress reduction: a systematic review and meta-analysis. *Health Psychol Rev*. 2022 Mar;16(1):134-159. doi: 10.1080/17437199.2020.1846580. Epub 2020 Nov 27. PMID: 33176590.
- de Witte, M., Spruit, A., van Hooren, S., Moonen, X., & Stams, G.-J. (2020). Effects of music interventions on stress-related outcomes: A systematic review and two meta-analyses. *Health Psychology Review*, 14(2), 294-324. <https://doi.org/10.1080/17437199.2019.1627897>
- Dhippayom T, Saensook T, Promkhatja N, Teaktong T, Chaiyakunapruk N, Devine B. Comparative effects of music interventions on depression in older adults: A systematic review and network meta-analysis. *EClinicalMedicine*. 2022 Jul 1;50:101509. doi: 10.1016/j.eclinm.2022.101509. PMID: 35812990; PMCID: PMC9257333.
- Di Sarno L, Curatola A, Cammisa I, Capossela L, Eftimiadi G, Gatto A, Chiaretti A. Non-pharmacologic approaches to neurological stimulation in patients with severe brain injuries: a systematic review. *Eur Rev Med Pharmacol Sci*. 2022 Sep;26(18):6856-6870. doi: 10.26355/eurrev_202209_29789. PMID: 36196734.

- V.O. (2016). Effect of music therapy on blood pressure of individuals with hypertension: A systematic review and meta-analysis. *International Journal of Cardiology*, 214, 461-464.
<https://doi.org/10.1016/j.ijcard.2016.03.197>
- Dorris, J.L., Neely, S., Terhorst, L., VonVille, H.M., & Rodakowski, J. (2021). Effects of music participation for mild cognitive impairment and dementia: A systematic review and meta-analysis. *Journal of the American Geriatrics Society*, 69(9), 2659-2667.
<https://doi.org/10.1111/jgs.17208>
- Dursun Ergezen F, Özer Z, Kol E. Effectiveness of Music Intervention on Postoperative Nausea and Vomiting: A Systematic Review and Meta-analysis. *J Perianesth Nurs*. 2022 Oct;37(5):717-727. doi: 10.1016/j.jopan.2021.11.009. Epub 2022 May 21. PMID: 35606249.
- Düzgün, M.V., & Özer, Z. (2020). The effects of music intervention on breast milk production in breastfeeding mothers: A systematic review and meta-analysis of randomized controlled trials. *Journal of Advanced Nursing*, 76(12), 3307-3316. <https://doi.org/10.1111/jan.14589>
- Erbay Dalli Ö, Bozkurt C, Yildirim Y. The effectiveness of music interventions on stress response in intensive care patients: A systematic review and meta-analysis. *J Clin Nurs*. 2023 Jun;32(11-12):2827-2845. doi: 10.1111/jocn.16401. Epub 2022 Jun 6. PMID: 35668626.
- Feast, A.R., White, N., Candy, B., Kupeli, N., & Sampson, E.L. (2020). The effectiveness of interventions to improve the care and management of people with dementia in general hospitals: A systematic review. *International Journal of Geriatric Psychiatry*, 35(5), 463-388.
<https://doi.org/10.1002/gps.5280>
- Freitas C, Fernández-Company JF, Pita MF, García-Rodríguez M. Music therapy for adolescents with psychiatric disorders: An overview. *Clin Child Psychol Psychiatry*. 2022 Jul;27(3):895-910. doi: 10.1177/13591045221079161. Epub 2022 Feb 23. PMID: 35196161.
- Fu, V.X., Oomens, P., Sneiders, D., van den Berg, S.A.A., Feelders, R.A., Wijnhoven, B.P.L., & Jeekel, J. (2019). The effect of perioperative music on the stress response to surgery: A meta-analysis. *Journal of Surgical Research*, 244, 444-455. <https://doi.org/10.1016/j.jss.2019.06.052>
- Gao C, Li X, Li F, Li J, Zhang J. Non-pharmacological interventions on quality of life in stroke survivors: A systematic review and meta-analysis. *Worldviews Evid Based Nurs*. 2024 Apr;21(2):158-182. doi: 10.1111/wvn.12714. Epub 2024 Mar 1. PMID: 38429872.
- Gao, Y., Wei, Y., Yang, W., Jiang, L., Li, X., Ding, J., & Ding, G. (2019). The effectiveness of music therapy for terminally ill patients: A meta-analysis and systematic review. *Journal of Pain and Symptom Management*, 57(2), 319-329. <https://doi.org/10.1016/j.jpainsymman.2018.10.504>
- García-Navarro EB, Buzón-Pérez A, Cabillas-Romero M. Effect of Music Therapy as a Non-MMPP 46.0 Complementary and Alternative Medicine

Pharmacological Measure Applied to Alzheimer's Disease Patients: A Systematic Review. *Nurs Rep.* 2022 Oct 20;12(4):775-790. doi: 10.3390/nursrep12040076. PMID: 36278769; PMCID: PMC9624344.

Geretsegger M, Elefant C, Mössler KA, Gold C. Music therapy for people with autism spectrum disorder. *Cochrane Database of Systematic Reviews* 2014, Issue 6. Art. No.: CD004381. DOI: 10.1002/14651858.CD004381.pub3

Geretsegger M, Fusar-Poli L, Elefant C, Mössler KA, Vitale G, Gold C. Music therapy for autistic people. *Cochrane Database Syst Rev.* 2022 May 9;5(5):CD004381. doi: 10.1002/14651858.CD004381.pub4. PMID: 35532041; PMCID: PMC9082683.

Geretsegger M, Mössler KA, Bieleninik Ł, Chen X, Heldal T, Gold C. Music therapy for people with schizophrenia and schizophrenia-like disorders. *Cochrane Database of Systematic Reviews* 2017, Issue 5. Art. No.: CD004025. DOI: 10.1002/14651858.CD004025.pub4

Ghai S. Does Music Therapy Improve Gait after Traumatic Brain Injury and Spinal Cord Injury? A Mini Systematic Review and Meta-Analysis. *Brain Sci.* 2023 Mar 21;13(3):522. doi: 10.3390/brainsci13030522. PMID: 36979332; PMCID: PMC10046548.

Ghetti C, Chen XJ, Brenner AK, Hakvoort LG, Lien L, Fachner J, Gold C. Music therapy for people with substance use disorders. *Cochrane Database Syst Rev.* 2022 May 9;5(5):CD012576. doi: 10.1002/14651858.CD012576.pub3. PMID: 35532044; PMCID: PMC9082681.

Gillespie K, McConnell T, Roulston A, Potvin N, Ghiglieri C, Gadde I, Anderson M, Kirkwood J, Thomas D, Roche L, O'Sullivan M, McCullagh A, Graham-Wisener L. Music therapy for supporting informal carers of adults with life-threatening illness pre- and post-bereavement; a mixed-methods systematic review. *BMC Palliat Care.* 2024 Feb 27;23(1):55. doi: 10.1186/s12904-024-01364-z. PMID: 38408966; PMCID: PMC10898157.

Golubovic J, Neerland BE, Aune D, Baker FA. Music Interventions and Delirium in Adults: A Systematic Literature Review and Meta-Analysis. *Brain Sci.* 2022 Apr 28;12(5):568. doi: 10.3390/brainsci12050568. PMID: 35624955; PMCID: PMC9138821.

Gong D, Ye F. Effects of Music Therapy on Aphasia and Cognition of Patients with Post-stroke: A Systematic Review and Meta-analysis. *Noise Health.* 2024 Apr-Jun 01;26(121):136-141. doi: 10.4103/nah.nah_24_24. Epub 2024 Jun 21. PMID: 38904813.

Gonzalez-Hoelling S, Reig-García G, Bertran-Noguer C, Suñer-Soler R. The effects of rhythmic auditory stimulation on functional ambulation after stroke: a systematic review. *BMC Complement Med Ther.* 2024 Jan 20;24(1):45. doi: 10.1186/s12906-023-04310-3. PMID: 38245704; PMCID: PMC10799424.

Goren K, Cen Y, Montemurri V, Moodley D, Sutton A, Ahmed A, Alphonsus L, Denezis P, Fleming C,

- Guertin H, Hyland K, Kalim A, Kim HH, Krause S, Liang A, Maclean E, Neocleous P, Patel A, Pritchard S, Purcell V, Qaqish M, Ryall S, Shum K, Suwary K, Vucetic A, Skinner J, Woolsey A, Marcotte E. The impact of music, play, and pet therapies in managing pain and anxiety in paediatric patients in hospital: a rapid systematic review. *Paediatr Child Health*. 2023 Apr 7;28(4):218-224. doi: 10.1093/pch/pxad010. PMID: 37287483; PMCID: PMC10243982.
- Gu J, Long W, Zeng S, Li C, Fang C, Zhang X. Neurologic music therapy for non-fluent aphasia: a systematic review and meta-analysis of randomized controlled trials. *Front Neurol*. 2024 May 23;15:1395312. doi: 10.3389/fneur.2024.1395312. PMID: 38846040; PMCID: PMC11153767.
- Gurbuz-Dogan, R.N., Ali, A., Candy, B., & King, M. (2021). The effectiveness of Sufi music for mental health outcomes. A systematic review and meta-analysis of 21 randomised trials. *Complementary Therapies in Medicine*, 57, 102664. <https://doi.org/10.1016/j.ctim.2021.102664> Hakimi, S., Hajizadeh, K., Hasanzade, R., & Ranjbar, M. (2021). A systematic review and meta-analysis of the effects of music therapy on postpartum anxiety and pain levels. *Journal of Caring Sciences*, 10(4), 230-237. <https://doi.org/10.34172/jcs.2021.033>
- Hao T, Pang J, Liu Q, Xin P. A systematic review and network meta-analysis of virtual reality, audiovisuals and music interventions for reducing dental anxiety related to tooth extraction. *BMC Oral Health*. 2023 Sep 22;23(1):684. doi: 10.1186/s12903-023-03407-y. PMID: 37735362; PMCID: PMC10515077.
- Haslam R, Heiderscheit A, Himmerich H. A Systematic Review of Scientific Studies on the Effects of Music in People with Personality Disorders. *Int J Environ Res Public Health*. 2022 Nov 22;19(23):15434. doi: 10.3390/ijerph192315434. PMID: 36497510; PMCID: PMC9741013.
- Haslbeck FB, Mueller K, Karen T, Loewy J, Meerpohl JJ, Bassler D. Musical and vocal interventions to improve neurodevelopmental outcomes for preterm infants. *Cochrane Database Syst Rev*. 2023 Sep 7;9(9):CD013472. doi: 10.1002/14651858.CD013472.pub2. PMID: 37675934; PMCID: PMC10483930.
- He, H., Huang, J., Zhang, X., & Li, Z. (2021). The effect of prenatal music therapy on fetal and neonatal status: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 60, 102756. <https://doi.org/10.1016/j.ctim.2021.102756>
- He H, Li Z, Zhao X, Chen X. The effect of music therapy on anxiety and pain in patients undergoing prostate biopsy: A systematic review and meta-analysis. *Complement Ther Med*. 2023 Mar;72:102913. doi: 10.1016/j.ctim.2022.102913. Epub 2022 Dec 26. PMID: 36581055.
- Hickey KD, Farrington N, Townsend K. Psychosocial interventions with art and music during stem cell transplantation: An integrative review. *J Clin Nurs*. 2023 Jul;32(13-14):2998-3014. doi:

- 10.1111/jocn.16512. Epub 2022 Sep 19. PMID: 36123311.
- Hofbauer LM, Ross SD, Rodriguez FS. Music-based interventions for community-dwelling people with dementia: A systematic review. *Health Soc Care Community*. 2022 Nov;30(6):2186-2201. doi: 10.1111/hsc.13895. Epub 2022 Jun 30. PMID: 35770371.
- Hohmann, L., Bradt, J., Stegemann, T., & Koelsch, S. (2017). Effects of music therapy and music-based interventions in the treatment of substance use disorders: A systematic review. *PLoS ONE*, 12(11), e0187363. <https://doi.org/10.1371/journal.pone.0187363>
- Hsu HF, Chen KM, Belcastro F. The effect of music interventions on chronic pain experienced by older adults: A systematic review. *J Nurs Scholarsh*. 2022 Jan;54(1):64-71. doi: 10.1111/jnu.12712. Epub 2021 Nov 5. PMID: 34741407.
- Huang, J., Yuan, X., Zhang, N., Qui, H., & Chen, X. (2021). Music therapy in adults with COPD. *Respiratory Care*, 66(3), 501-509. <https://doi.org/10.4187/respcare.07489>
- Hunter AR, Heiderscheit A, Galbally M, Gravina D, Mutwalli H, Himmerich H. The Effects of Music-Based Interventions for Pain and Anxiety Management during Vaginal Labour and Caesarean Delivery: A Systematic Review and Narrative Synthesis of Randomised Controlled Trials. *Int J Environ Res Public Health*. 2023 Nov 29;20(23):7120. doi: 10.3390/ijerph20237120. PMID: 38063550; PMCID: PMC10706633.
- Ito E, Nouchi R, Dinét J, Cheng CH, Husebø BS. The Effect of Music-Based Intervention on General Cognitive and Executive Functions, and Episodic Memory in People with Mild Cognitive Impairment and Dementia: A Systematic Review and Meta-Analysis of Recent Randomized Controlled Trials. *Healthcare (Basel)*. 2022 Aug 3;10(8):1462. doi: 10.3390/healthcare10081462. PMID: 36011119; PMCID: PMC9408548.
- Ji C, Zhao J, Nie Q, Wang S. The role and outcomes of music therapy during pregnancy: a systematic review of randomized controlled trials. *J Psychosom Obstet Gynaecol*. 2024 Dec;45(1):2291635. doi: 10.1080/0167482X.2023.2291635. Epub 2023 Dec 26. PMID: 38146963.
- Jia, R., Liang, D., Yu, J., Lu, G., Wang, Z., Wu, Z., Huang, H., & Chen, C. (2020). The effectiveness of adjunct music therapy for patients with schizophrenia: A meta-analysis. *Psychiatry Research*, 293, 113464. <https://doi.org/10.1016/j.psychres.2020.113464>
- Jespersen KV, Hansen MH, Vuust P. The effect of music on sleep in hospitalized patients: A systematic review and meta-analysis. *Sleep Health*. 2023 Aug;9(4):441-448. doi: 10.1016/j.sleh.2023.03.004. Epub 2023 Jun 27. PMID: 37380591.
- Jespersen KV, Koenig J, Jennum P, Vuust P. Music for insomnia in adults. *Cochrane Database of Systematic Reviews* 2015, Issue 8. Art. No.: CD010459. DOI: 10.1002/14651858.CD010459.pub2

- Jiménez-Palomares M, Garrido-Ardila EM, Chávez-Bravo E, Torres-Piles ST, González-Sánchez B, Rodríguez-Mansilla MJ, De Toro-García Á, Rodríguez-Mansilla J. Benefits of Music Therapy in the Cognitive Impairments of Alzheimer's-Type Dementia: A Systematic Review. *J Clin Med*. 2024 Apr 1;13(7):2042. doi: 10.3390/jcm13072042. PMID: 38610807; PMCID: PMC11012733.
- Jordan C, Lawlor B, Loughrey D. A systematic review of music interventions for the cognitive and behavioural symptoms of mild cognitive impairment (non-dementia). *J Psychiatr Res*. 2022 Jul;151:382-390. doi: 10.1016/j.jpsychires.2022.04.028. Epub 2022 Apr 25. PMID: 35576664.
- Kammin V, Fraser L, Flemming K, Hackett J. Experiences of music therapy in paediatric palliative care from multiple stakeholder perspectives: A systematic review and qualitative evidence synthesis. *Palliat Med*. 2024 Mar;38(3):364-378. doi: 10.1177/02692163241230664. Epub 2024 Mar 7. PMID: 38450624; PMCID: PMC10955799.
- Ke X, Song W, Yang M, Li J, Liu W. Effectiveness of music therapy in children with autism spectrum disorder: A systematic review and meta-analysis. *Front Psychiatry*. 2022 Oct 6;13:905113. doi: 10.3389/fpsyg.2022.905113. PMID: 36276324; PMCID: PMC9582596.
- Kim J, Cuevas H, Wood ST. Effect of Music Interventions on Cognitive Function in Older Adults With Mild Cognitive Impairment: A Systematic Review. *Res Gerontol Nurs*. 2023 Sep-Oct;16(5):259-268. doi: 10.3928/19404921-20230609-01. Epub 2023 Jun 16. PMID: 37335894.
- Köhler, F., Martin, Z.-S., Hertrampf, R.-S., Gäbel, C., Kessler, J., Ditzen, B., & Warth, M. (2020). Music therapy in the psychosocial treatment of adult cancer patients: A systematic review and meta-analysis. *Frontiers in Psychology*, 11, 651. <https://doi.org/10.3389/fpsyg.2020.00651>
- Kong L, Zhang X, Meng L, Xue H, Zhou W, Meng X, Zhang Q, Shen J. Effects of music therapy intervention on gait disorders in persons with multiple sclerosis: A systematic review of clinical trials. *Mult Scler Relat Disord*. 2023 May;73:104629. doi: 10.1016/j.msard.2023.104629. Epub 2023 Mar 21. PMID: 36963169.
- Küçükkaya B, Can I, Güler G. The effect of music played to new birth mothers on postpartum blues: A randomized controlled trial. *Early Hum Dev*. 2024 May;192:106013. doi: 10.1016/j.earlhumdev.2024.106013. Epub 2024 Apr 17. PMID: 38657398.
- Kulinski J, Ofori EK, Visotcky A, Smith A, Sparapani R, Fleg JL. Effects of music on the cardiovascular system. *Trends Cardiovasc Med*. 2022 Aug;32(6):390-398. doi: 10.1016/j.tcm.2021.06.004. Epub 2021 Jul 5. PMID: 34237410; PMCID: PMC8727633.
- Lam L, Chang WC, Grimmer K. Treatment effects of adjunct group music therapy in inpatients with

chronic schizophrenia: a systematic review. *Front Psychiatry*. 2023 Dec 19;14:1215578. doi: 10.3389/fpsyt.2023.1215578. PMID: 38173705; PMCID: PMC10762796.

Lee H, Ko B. Effects of Music-Based Interventions on Motor and Non-Motor Symptoms in Patients with Parkinson's Disease: A Systematic Review and Meta-Analysis. *Int J Environ Res Public Health*. 2023 Jan 6;20(2):1046. doi: 10.3390/ijerph20021046. PMID: 36673802; PMCID: PMC9859027.

Lee HY, Nam ES, Chai GJ, Kim DM. Benefits of Music Intervention on Anxiety, Pain, and Physiologic Response in Adults Undergoing Surgery: A Systematic Review and Meta-analysis. *Asian Nurs Res (Korean Soc Nurs Sci)*. 2023 Aug;17(3):138-149. doi: 10.1016/j.anr.2023.05.002. Epub 2023 Jun 3. PMID: 37276961.

Leschallier De Lisle G, Oudin A, Bourla A, Ferreri F, Mouchabac S. Musicotherapy mobile applications: what level of evidence and potential role in psychiatric care? A systematic review. *Front Psychiatry*. 2024 Jun 7;15:1366575. doi: 10.3389/fpsyt.2024.1366575. PMID: 38911704; PMCID: PMC11190819.

Li D, Yao Y, Chen J, Xiong G. The effect of music therapy on the anxiety, depression and sleep quality in intensive care unit patients: A protocol for systematic review and meta-analysis. *Medicine (Baltimore)*. 2022 Feb 25;101(8):e28846. doi: 10.1097/MD.00000000000028846. PMID: 35212283; PMCID: PMC8878864.

Li G, Yu L, Yang Y, Deng J, Shao L, Zeng C. Effects of Perioperative Music Therapy on Patients with Postoperative Pain and Anxiety: A Systematic Review and Meta-Analysis. *J Integr Complement Med*. 2024 Jan;30(1):37-46. doi: 10.1089/jicm.2022.0803. Epub 2023 Aug 30. PMID: 37646752.

Li, H.-C., Wang, H.-H., Lu, C.-Y., Chen, T.-B., Lin, Y.-H., & Lee, I. (2019). The effect of music therapy on reducing depression in people with dementia: A systematic review and meta-analysis. *Geriatric Nursing*, 40(5), 510-516. <https://doi.org/10.1016/j.gerinurse.2019.03.017>

Li, Y., Xing, X., Shi, X., Yan, P., Chen, Y., Li, M., Zhang, W., & Li, X. (2020). The effectiveness of music therapy for patients with cancer: A systematic review and meta-analysis. *Journal of Advanced Nursing*, 76(5), 1111-1123. <https://doi.org/10.1111/jan.14313>

Lin C, Xuanxu H, Yuyang X, Zhongqiu X, Gao C. The impact of music listening intervention on Asia elderly with dementia: a systematic review. *Eur J Med Res*. 2023 Nov 21;28(1):535. doi: 10.1186/s40001-023-01355-5. PMID: 37990277; PMCID: PMC10662567.

Lin, C.-L., Hwang, S.-L., Jiang, P., & Hsiung, N.-H. (2020). Effect of music therapy on pain after orthopedic surgery – A systematic review and meta-analysis. *Pain Practice*, 20(4), 422-436. <https://doi.org/10.1111/papr.12864>

- Lin TH, Liao YC, Tam KW, Chan L, Hsu TH. Effects of music therapy on cognition, quality of life, and neuropsychiatric symptoms of patients with dementia: A systematic review and meta-analysis of randomized controlled trials. *Psychiatry Res.* 2023 Nov;329:115498. doi: 10.1016/j.psychres.2023.115498. Epub 2023 Sep 27. PMID: 37783097.
- Liu H, Song X, Xiong L, Zhang L, Luo B, Liu S. Effects of music therapy on degree of cooperation with anesthesia induction and preoperative anxiety in children with simple congenital heart disease: protocol of systematic review and meta-analysis. *PLoS One.* 2023 Dec 27;18(12):e0296287. doi: 10.1371/journal.pone.0296287. PMID: 38150450; PMCID: PMC10752520.
- Liu, Q., Li, W., Yin, Y., Zhao, Z., Yang, Y., Zhao, Y., Tan, Y., & Yu, J. (2022). The effect of music therapy on language recovery in patients with aphasia after stroke: A systematic review and meta-analysis. *Neurological Sciences*, 43, 863-872. <https://doi.org/10.1007/s10072-021-05743-9>
- Long J, Zhang Y, Liu X, Gao Q, Pan M. Music-based interventions for unilateral spatial neglect: A systematic review. *Neuropsychol Rehabil.* 2023 Oct;33(9):1462-1487. doi: 10.1080/09602011.2022.2111314. Epub 2022 Aug 18. PMID: 35980394.
- López-Valverde N, López-Valverde A, Macedo de Sousa B, Blanco Rueda JA. Efficacy of music therapy on stress and anxiety prior to dental treatment: a systematic review and meta-analysis of randomized clinical trials. *Front Psychiatry.* 2024 Feb 23;15:1352817. doi: 10.3389/fpsyt.2024.1352817. PMID: 38463434; PMCID: PMC10920280.
- Lu, G., Jia, R., Liang, D., Yu, J., Wu, Z., & Chen, C. (2021). Effects of music therapy on anxiety: A meta-analysis of randomized controlled trials. *Psychiatry Research*, 304, 114137. <https://doi.org/10.1016/j.psychres.2021.114137>
- Luo X, Zhang A, Li H, Li Y, Ying F, Wang X, Yang Q, Zhang Z, Huang G. The role of arts therapies in mitigating Sleep Initiation and Maintenance Disorders: a systematic review. *Front Psychiatry.* 2024 May 16;15:1386529. doi: 10.3389/fpsyt.2024.1386529. PMID: 38818021; PMCID: PMC11137235.
- Ma YM, Yuan MD, Zhong BL. Efficacy and acceptability of music therapy for post-traumatic stress disorder: a systematic review and meta-analysis of randomized controlled trials. *Eur J Psychotraumatol.* 2024;15(1):2342739. doi: 10.1080/20008066.2024.2342739. Epub 2024 Apr 22. PMID: 38647566; PMCID: PMC11036901.
- Mahmoud, M.Y., Labib, K., Sileem, S.A., Mustafa, F.A., Hamed, W.M., Elhamid, A.A., Saleh, D.M., Alanwar, A., Riad, A.A.M., Abdelhakim, A.M., Abbas, A.M., & Mohammed, H.M. (2021). The impact of music therapy on anxiety and pregnancy rate among in fertile women undergoing

assisted reproductive technologies: A systematic review and meta-analysis. *Journal of Psychosomatic Obstetrics & Gynecology*, 2021. <https://doi.org/10.1080/0167482X.2021.1977277>

- Maleki A, Youseflu S. The effect of music-based interventions on short-term postpartum episiotomy pain: A systematic review and meta-analysis. *Heliyon*. 2023 Mar 23;9(4):e14785. doi: 10.1016/j.heliyon.2023.e14785. PMID: 37089393; PMCID: PMC10119568.
- Martin-Moratinos M, Bella-Fernández M, Blasco-Fontecilla H. Effects of Music on Attention-Deficit/Hyperactivity Disorder (ADHD) and Potential Application in Serious Video Games: Systematic Review. *J Med Internet Res*. 2023 May 12;25:e37742. doi: 10.2196/37742. PMID: 37171837; PMCID: PMC10221503.
- Martínez-Vérez V, Gil-Ruíz P, Domínguez-Lloria S. Interventions through Art Therapy and Music Therapy in Autism Spectrum Disorder, ADHD, Language Disorders, and Learning Disabilities in Pediatric-Aged Children: A Systematic Review. *Children (Basel)*. 2024 Jun 7;11(6):706. doi: 10.3390/children11060706. PMID: 38929285.
- McCrary JM, Altenmüller E, Kretschmer C, Scholz DS. Association of Music Interventions With Health-Related Quality of Life: A Systematic Review and Meta-analysis. *JAMA Netw Open*. 2022 Mar 1;5(3):e223236. doi: 10.1001/jamanetworkopen.2022.3236. PMID: 35315920; PMCID: PMC8941357.
- Melillo A, Maiorano P, Rachedi S, Caggianese G, Gragnano E, Gallo L, De Pietro G, Guida M, Giordano A, Chirico A. Labor Analgesia: A Systematic Review and Meta-Analysis of Non-Pharmacological Complementary and Alternative Approaches to Pain during First Stage of Labor. *Crit Rev Eukaryot Gene Expr*. 2022;32(2):61-89. doi: 10.1615/CritRevEukaryotGeneExpr.2021039986. PMID: 35381132.
- Mendes FCO, Santos KVGD, Dantas JKDS, Araújo SCM, Teixeira FC, Leal KCDS, Dantas DV, Dantas RAN. Non-pharmacological strategies to reduce stress and anxiety in endovascular procedures: A scoping review. *Nurs Open*. 2024 Mar;11(3):e2105. doi: 10.1002/nop2.2105. PMID: 38520118; PMCID: PMC10960161.
- Mi T, Qinxiu Z, Jie W. Music therapy for tinnitus: A systematic review and meta-analysis. *Am J Otolaryngol*. 2024 Apr 30;45(5):104362. doi: 10.1016/j.amjoto.2024.104362. Epub ahead of print. PMID: 38759414.
- Mishra, R., Florez-Perdomo, W.A., Shrivatava, A., Chouksey, P., Raj, S., Moscote-Salazar, L.R., Rahman, M., Sutar, R., & Agrawal, A. (2021). Role of music therapy in traumatic brain injury: A systematic review and meta-analysis. *World Neurosurgery*, 146, 197-204. <https://doi.org/10.1016/j.wneu.2020.10.130>
- Moll-Bertó A, López-Rodrigo N, Montoro-Pérez N, Mármol-López MI, Montejano-Lozoya R. A

Systematic Review of the Effectiveness of Non-Pharmacological Therapies Used by Nurses in Children Undergoing Surgery. *Pain Manag Nurs*. 2024 Apr;25(2):195-203. doi: 10.1016/j.pmn.2023.12.006. Epub 2024 Jan 16. PMID: 38233305.

Monsalve-Duarte, S., Betancourt-Zapata, W., Suarez-Cañon, N., Maya, R., Salgado-Vasco, A., Prieto-Garces, S., Marín-Sánchez, J., Gómez-Ortega, V., Valderrama, M., & Ettenberger, M. (2021). Music therapy and music medicine interventions with adult burn patients: A systematic review and meta-analysis. *Burns*, 2021. <https://doi.org/10.1016/j.burns.2021.11.002>

Monteiro JLGC, da Silva Barbirato D, Moraes SLD, Pellizzer EP, do Egito Vasconcelos BC. Does listening to music reduce anxiety and pain in third molar surgery?-a systematic review. *Clin Oral Investig*. 2022 Oct;26(10):6079-6086. doi: 10.1007/s00784-022-04640-5. Epub 2022 Aug 23. PMID: 35999384.

Moreno-Morales, C., Calero, R., Moreno-Morales, P., & Pintado, C. (2020). Music therapy in the treatment of dementia: A systematic review and meta-analysis. *Frontiers in Medicine*, 7, 160. <https://doi.org/10.3389/fmed.2020.00160>

Mu CX, Lee S, Boddupalli S, Meng H. Effects of music interventions on sleep in people with dementia: A systematic review. *Dementia (London)*. 2022 Aug;21(6):2053-2071. doi: 10.1177/14713012221096986. Epub 2022 May 14. PMID: 35574812.

Murtaugh B, Morrissey AM, Fager S, Knight HE, Rushing J, Weaver J. Music, occupational, physical, and speech therapy interventions for patients in disorders of consciousness: An umbrella review. *NeuroRehabilitation*. 2024;54(1):109-127. doi: 10.3233/NRE-230149. PMID: 38277314.

Natale P, Ju A, Strippoli GFM, Craig JC, Saglimbene VM, Unruh ML, Stallone G, Jaure A. Interventions for fatigue in people with kidney failure requiring dialysis. *Cochrane Database of Systematic Reviews* 2023, Issue 8. Art. No.: CD013074. DOI: 10.1002/14651858.CD013074.pub2.

Natale P, Ruospo M, Saglimbene VM, Palmer SC, Strippoli GFM. Interventions for improving sleep quality in people with chronic kidney disease. *Cochrane Database of Systematic Reviews* 2019, Issue 5. Art. No.: CD012625. DOI: 10.1002/14651858.CD012625.pub2.

Ng Kee Kwong KC, Kang CX, Kaliaperumal C. The benefits of perioperative music interventions for patients undergoing neurosurgery: a mixed-methods systematic review. *Br J Neurosurg*. 2022 Aug;36(4):472-482. doi: 10.1080/02688697.2022.2061421. Epub 2022 Apr 19. PMID: 35438022.

Nguyen KT, Xiao J, Chan DNS, Zhang M, Chan CWH. Effects of music intervention on anxiety, depression, and quality of life of cancer patients receiving chemotherapy: a systematic review and meta-analysis. *Support Care Cancer*. 2022 Jul;30(7):5615-5626. doi: 10.1007/s00520-022-06881-2. Epub 2022 Feb 7. PMID: 35129666.

- Niu Y, You Y. The effect of music therapy on tinnitus: A systematic review. *Medicine (Baltimore)*. 2023 Dec 15;102(50):e36199. doi: 10.1097/MD.00000000000036199. PMID: 38115355; PMCID: PMC10727622.
- Pedra Cruz Bettin B, Urquiza Nogueira L, Bertasso de Araujo PA, Antunes LC. Visual art- and music-based interventions as adjuvants in the treatment of eating disorders: a systematic review and a theoretical model. *Arts Health*. 2024 Jun;16(2):167-188. doi: 10.1080/17533015.2023.2218408. Epub 2023 May 31. PMID: 37259246.
- Piccicacchi LM, Serino D. A systematic review of the Mozart effect in adult and paediatric cases of drug-resistant epilepsy: A sound approach to epilepsy management. *Epilepsy Behav*. 2024 May;154:109743. doi: 10.1016/j.yebeh.2024.109743. Epub 2024 Apr 17. PMID: 38636110.
- Qi, Y., Lin, L., Dong, B., Xu, E., Bao, Z., Qi, J., Chen, X., & Tian, L. (2021). Music interventions can alleviate cancer-related fatigue: A metaanalysis. *Supportive Care in Cancer*, 29, 3461-3470. <https://doi.org/10.1007/s00520-021-05986-4>
- Qin H, Reid I, Gorelik A, Ng L. Environmental enrichment for stroke and other non-progressive brain injury. *Cochrane Database of Systematic Reviews* 2021, Issue 11. Art. No.: CD011879. DOI: 10.1002/14651858.CD011879.pub2.
- Ran R, Ying Y, Zhang W. Effects of Music Intervention on Anxiety, Depression Symptoms and Quality of Life in Breast Cancer Patients: A Meta-Analysis. *Actas Esp Psiquiatr*. 2023 Dec;51(6):250-261. PMID: 38321719; PMCID: PMC10847666.
- Rennie C, Irvine DS, Huang E, Huang J. Music Therapy as a Form of Nonpharmacologic Pain Modulation in Patients with Cancer: A Systematic Review of the Current Literature. *Cancers (Basel)*. 2022 Sep 11;14(18):4416. doi: 10.3390/cancers14184416. PMID: 36139576; PMCID: PMC9497161.
- Romano M, Archambault K, Garel P, Gosselin N. Music interventions with children, adolescents and emerging adults in mental health settings: a scoping review. *Arts Health*. 2024 Feb;16(1):89-109. doi: 10.1080/17533015.2023.2243288. Epub 2023 Aug 20. PMID: 37599443.
- Rossi E, Marrosu F, Saba L. Music Therapy as a Complementary Treatment in Patients with Dementia Associated to Alzheimer's Disease: A Systematic Review. *J Alzheimers Dis*. 2024;98(1):33-51. doi: 10.3233/JAD-230852. PMID: 38427477.
- Rushton R, Kossyvaki L, Terleksi E. Music-based interventions for people with profound and multiple learning disabilities: A systematic review of the literature. *J Intellect Disabil*. 2023 Jun;27(2):370-

387. doi: 10.1177/17446295221087563. Epub 2022 Apr 29. PMID: 35485367; PMCID: PMC10164233.

Rusowicz J, Szczepańska-Gieracha J, Kiper P. Neurologic Music Therapy in Geriatric Rehabilitation: A Systematic Review. *Healthcare (Basel)*. 2022 Oct 31;10(11):2187. doi: 10.3390/healthcare10112187. PMID: 36360527; PMCID: PMC9690210.

Santiváñez-Acosta, R., de las Nieves Tapia-López, E., & Santero, M. (2020). Music therapy in pain and anxiety management during labor: A systematic review and meta-analysis. *Medicina*, 56(10), 526. <https://doi.org/10.3390/medicina56100526>

Scataglini S, Van Dyck Z, Declercq V, Van Cleemput G, Struyf N, Truijen S. Effect of Music Based Therapy Rhythmic Auditory Stimulation (RAS) Using Wearable Device in Rehabilitation of Neurological Patients: A Systematic Review. *Sensors (Basel)*. 2023 Jun 26;23(13):5933. doi: 10.3390/s23135933. PMID: 37447782; PMCID: PMC10346672.

See C, Ng M, Ignacio J. Effectiveness of music interventions in reducing pain and anxiety of patients in pediatric and adult emergency departments: A systematic review and meta-analysis. *Int Emerg Nurs*. 2023 Jan;66:101231. doi: 10.1016/j.ienj.2022.101231. Epub 2022 Dec 16. PMID: 36528945.

Sezgin MG, Bektas H. The effect of music therapy interventions on fatigue in patients with hematological cancers: a systematic review and meta-analysis of randomized controlled trials. *Support Care Cancer*. 2022 Nov;30(11):8733-8744. doi: 10.1007/s00520-022-07198-w. Epub 2022 Jun 11. PMID: 35689676.

Sheikh-Wu, S.F., Kauffman, M.A., Anglade, D., Shamsaldeen, F., Ahn, S., & Downs, C.A. (2021). Effectiveness of different music interventions on managing symptoms in cancer survivors: A meta-analysis. *European Journal of Oncology Nursing*, 52, 101968. <https://doi.org/10.1016/j.ejon.2021.101968>

Shi C, Tang J, Li W, Tang W. Comparative Efficacy of Breastfeeding or Feeding of Breast Milk on Blood Sampling Pain Relief in Full-Term Neonates: A Systematic Review and Meta-Analysis. *Breastfeed Med*. 2024 Feb;19(2):81-90. doi: 10.1089/bfm.2023.0233. PMID: 38386991.

Shi Z, Wang S, Chen M, Hu A, Long Q, Lee Y. The effect of music therapy on language communication and social skills in children with autism spectrum disorder: a systematic review and meta-analysis. *Front Psychol*. 2024 May 7;15:1336421. doi: 10.3389/fpsyg.2024.1336421. PMID: 38774719; PMCID: PMC11106491.

Shi, Z.-M., Lin, G.-H., & Xie, Q. (2016). Effects of music therapy on mood, language, behavior, and social skills in children with autism: A meta-analysis. *Chinese Nursing Research*, 3(3), 137-141. <https://doi.org/10.1016/j.cnre.2016.06.018>

- Smith CA, Collins CT, Cyna AM, Crowther CA. Complementary and alternative therapies for pain management in labour. *Cochrane Database of Systematic Reviews* 2006, Issue 4. Art. No.: CD003521. DOI: 10.1002/14651858.CD003521.pub2
- Somani N, Beukes E, Street A, Lindsay R, Smith L, Allen PM. Effectiveness of music-based interventions to address well-being in people with a vision impairment: a scoping review. *BMJ Open*. 2023 Sep 14;13(9):e067502. doi: 10.1136/bmjopen-2022-067502. PMID: 37709316; PMCID: PMC10503321.
- Sorkpor, S.K., Johnson, C.M., Santa Maria, D.M., Miao, H., Moore, C., & Ahn, H. (2021). The effect of music listening on pain in adults undergoing colonoscopy: A systematic review and meta-analysis. *Journal of PeriAnesthesia Nursing*, 36(5), 573-580.e1.
<https://doi.org/10.1016/j.jopan.2020.12.012>
- Sousa L, Oliveira C, Tomás M, Pires MDC, Almeida A, Oliveira H, García-Navarro EB, José H. Effectiveness of Music Therapy in People Living with Dementia: An Umbrella Review Protocol. *Int J Environ Res Public Health*. 2023 Feb 11;20(4):3200. doi: 10.3390/ijerph20043200. PMID: 36833896; PMCID: PMC9961781.
- Stoneham S, Coltart GS, Healy E. Does music reduce anxiety for patients undergoing dermatological surgery? A systematic review. *Clin Exp Dermatol*. 2022 Sep;47(9):1686-1693. doi: 10.1111/ced.15264. Epub 2022 Jul 2. PMID: 35594168.
- Su, S.-F., & Yeh, W.-T. (2019). Music interventions in percutaneous coronary procedures: A meta-analysis. *Clinical Nursing Research*, 30(2), 135-145. <https://doi.org/10.1177/1054773819883171>
- Tan K, Liu H, Huang S, Li C. Efficacy of Music Intervention for Dental Anxiety Disorders: A Systematic Review and Meta-Analysis. *Medicina (Kaunas)*. 2023 Jan 20;59(2):209. doi: 10.3390/medicina59020209. PMID: 36837411; PMCID: PMC9961880.
- Tang, Q., Huang, Z., Zhou, H., & Ye, P. (2020). Effects of music therapy on depression: A meta-analysis of randomized controlled trials. *PLoS ONE*, 15(11), e0240862.
<https://doi.org/10.1371/journal.pone.0240862>
- Tang R, Gong S, Li J, Hu W, Liu J, Liao C. Efficacy of non-pharmacological interventions for sleep quality in Parkinson's disease: a systematic review and network meta-analysis. *Front Neurosci*. 2024 Feb 21;18:1337616. doi: 10.3389/fnins.2024.1337616. PMID: 38449730; PMCID: PMC10914945.
- Tang YW, Teoh SL, Yeo JHH, Ngim CF, Lai NM, Durrant SJ, Lee SWH. Music-based Intervention for Improving Sleep Quality of Adults without Sleep Disorder: A Systematic Review and Meta-analysis. *Behav Sleep Med*. 2022 Mar-Apr;20(2):241-259. doi: 10.1080/15402002.2021.1915787. Epub 2021 Apr 25. PMID: 33896299.

- Tavanai E, Rahimi V, Bandad M, Khalili ME, Fallahnezhad T. Efficacy of tailor-made notched music training (TMNMT) in the treatment of tinnitus: a systematic review and meta-analysis. *Eur Arch Otorhinolaryngol*. 2024 Jun 7. doi: 10.1007/s00405-024-08732-8. Epub ahead of print. PMID: 38847844.
- Thekkumkara SN, Jagannathan A, Muliya KP, Murthy P. Psychosocial Interventions for Prisoners with Mental and Substance Use Disorders: A Systematic Review. *Indian J Psychol Med*. 2022 May;44(3):211-217. doi: 10.1177/02537176211061655. Epub 2022 Jan 31. PMID: 35656427; PMCID: PMC9125461.
- Ting B, Chen DT, Hsu WT, Liang CS, Malau IA, Li WC, Lee SL, Jingling L, Su KP. Does Music Intervention Improve Anxiety in Dementia Patients? A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *J Clin Med*. 2023 Aug 24;12(17):5497. doi: 10.3390/jcm12175497. PMID: 37685564; PMCID: PMC10488399.
- Ting B, Tsai CL, Hsu WT, Shen ML, Tseng PT, Chen DT, Su KP, Jingling L. Music Intervention for Pain Control in the Pediatric Population: A Systematic Review and Meta-Analysis. *J Clin Med*. 2022 Feb 14;11(4):991. doi: 10.3390/jcm11040991. PMID: 35207263; PMCID: PMC8877634.
- Trigueros-Murillo A, Martinez-Calderon J, Casuso-Holgado MJ, González-García P, Heredia-Rizo AM. Effects of music-based interventions on cancer-related pain, fatigue, and distress: an overview of systematic reviews. *Support Care Cancer*. 2023 Jul 24;31(8):488. doi: 10.1007/s00520-023-07938-6. Erratum in: *Support Care Cancer*. 2024 Apr 5;32(4):268. doi: 10.1007/s00520-024-08478-3. PMID: 37486578; PMCID: PMC10366242.
- Troian-Michel CH, Tietz L, Mendes AT, Duarte PHM, Weissheimer T, da Rosa RA, Só MVR. Effect of music during endodontic treatment on patients' anxiety: a systematic review of randomized clinical trials. *Clin Oral Investig*. 2023 Nov;27(11):6321-6332. doi: 10.1007/s00784-023-05247-0. Epub 2023 Sep 20. PMID: 37728616.
- van der Steen JT, Smaling HJA, van der Wouden JC, Bruinsma MS, Scholten RJPM, Vink AC. Music-based therapeutic interventions for people with dementia. *Cochrane Database of Systematic Reviews* 2018, Issue 7. Art. No.: CD003477. DOI: 10.1002/14651858.CD003477.pub4
- van Tellingen M, Hurkmans J, Terband H, Jonkers R, Maassen B. Music and musical elements in the treatment of childhood speech sound disorders: A systematic review of the literature. *Int J Speech Lang Pathol*. 2023 Aug;25(4):549-565. doi: 10.1080/17549507.2022.2097310. Epub 2022 Jul 28. PMID: 35900281.
- Vasiwala RA, Elhariri SY, Teng CL, Mohamad I. Effect of constraint-induced music therapy in idiopathic sudden sensorineural hearing loss: A systematic review and meta-analysis. *Noise*

Health. 2022 Apr-Jun;24(113):75-81. doi: 10.4103/nah.nah_33_21. PMID: 35900392; PMCID: PMC9703815.

Viola E, Martorana M, Airolidi C, Meini C, Ceriotti D, De Vito M, De Ambrosi D, Faggiano F. The role of music in promoting health and wellbeing: a systematic review and meta-analysis. *Eur J Public Health*. 2023 Aug 1;33(4):738-745. doi: 10.1093/eurpub/ckad063. PMID: 37322515; PMCID: PMC10393487.

Wang, C., Li, G., Zheng, L., Meng, X., Meng, Q., Wang, S., Yin, H., Chu, J., & Chen, L. (2021). Effects of music intervention on sleep quality of older adults: A systematic review and meta-analysis. *Complementary Therapies in Medicine*, 59, 102719. <https://doi.org/10.1016/j.ctim.2021.102719>

Wang L, Peng JL, Xiang W, Huang YJ, Chen AL. Effects of rhythmic auditory stimulation on motor function and balance ability in stroke: A systematic review and meta-analysis of clinical randomized controlled studies. *Front Neurosci*. 2022 Nov 17;16:1043575. doi: 10.3389/fnins.2022.1043575. PMID: 36466174; PMCID: PMC9714437.

Wang M, Wu J, Yan H. Effect of music therapy on older adults with depression: A systematic review and meta-analysis. *Complement Ther Clin Pract*. 2023 Nov;53:101809. doi: 10.1016/j.ctcp.2023.101809. Epub 2023 Nov 7. PMID: 37952258.

Wang, M., Yi, G., Gao, H., Wu, B., & Zhou, Y. (2020). Music based interventions to improve fibromyalgia syndrome: A meta-analysis. *Explore*, 16(6), 357-362. <https://doi.org/10.1016/j.explore.2020.05.012>

Wei, T.-T., Tian, X., Zhang, F.-Y., Qiang, W.-M., & Bai, A.-L. (2020). Music interventions for chemotherapy-induced nausea and vomiting: A systematic review and meta-analysis. *Supportive Care in Cancer*, 28, 4031-4041. <https://doi.org/10.1007/s00520-020-05409-w>

Weingarten, S.J., Levy, A.T., & Berghella, V. (2021). The effect of music on anxiety in women undergoing cesarean delivery: A systematic review and meta-analysis. *American Journal of Obstetrics & Gynecology MFM*, 3(5), 100435. <https://doi.org/10.1016/j.ajogmf.2021.100435>

Woods B, Rai HK, Elliott E, Aguirre E, Orrell M, Spector A. Cognitive stimulation to improve cognitive functioning in people with dementia. *Cochrane Database of Systematic Reviews* 2023, Issue 1. Art. No.: CD005562. DOI: 10.1002/14651858.CD005562.pub3.

Wu L, Yao Y. Exploring the effect of music therapy as intervention to reduce anxiety pre- and post-operatively in CABG surgery: A quantitative systematic review. *Nurs Open*. 2023 Dec;10(12):7544-7565. doi: 10.1002/nop2.2024. Epub 2023 Oct 12. PMID: 37823363; PMCID: PMC10643824.

Wu, T.-J., Chen, K.-H., Chiu, W.-K., Lee, C.-L., Wang, H.-J., Kang, Y.-N., & Chen, C. (2021). Optimal

timing and effect of music therapy in patients with burn injuries: Systematic review and meta- analysis of randomized controlled trials. *Burns*, 2021.

<https://doi.org/10.1016/j.burns.2021.07.016>

- Xiang SR, Ma Q, Dong J, Ren YF, Lin JZ, Zheng C, Xiao P, You FM. Contrasting Effects of Music Therapy and Aromatherapy on Perioperative Anxiety: A Systematic Review and Meta-Analysis. *Complement Med Res*. 2024;31(3):278-291. English. doi: 10.1159/000538425. Epub 2024 Apr 1. PMID: 38560980.
- Xiao M, Gong C, Mai M, Huang M, Xiong A, Liu H, Jiang R. Efficacy and safety of music therapy for the treatment of anxiety and delirium in ICU patients: a meta-analysis and systematic review of randomized controlled trials. *Minerva Anesthesiol*. 2024 May;90(5):439-451. doi: 10.23736/S0375-9393.24.17900-X. Epub 2024 Apr 12. PMID: 38619185.
- Yamada Y, Kitamura M, Inayama E, Kishida M, Kataoka Y, Ikenoue T. Acoustic stimulation for relieving pain during venipuncture: a systematic review and network meta-analysis. *BMJ Open*. 2023 Dec 21;13(12):e077343. doi: 10.1136/bmjopen-2023-077343. PMID: 38135307; PMCID: PMC11148677.
- Yanagiwara S, Yasuda T, Koike M, Okamoto T, Ushida K, Momosaki R. Effects of music therapy on functional ability in people with cerebral palsy: a systematic review. *J Rural Med*. 2022 Jul;17(3):101-107. doi: 10.2185/jrm.2022-014. Epub 2022 Jul 1. PMID: 35847757; PMCID: PMC9263950.
- Yang S, Suh JH, Kwon S, Chang MC. The effect of neurologic music therapy in patients with cerebral palsy: A systematic narrative review. *Front Neurol*. 2022 Sep 13;13:852277. doi: 10.3389/fneur.2022.852277. PMID: 36176557; PMCID: PMC9514322.
- Yang, T., Wang, S., Wang, R., Wei, Y., Kang, Y., Liu, Y., & Zhang, C. (2021). Effectiveness of five-element music therapy in cancer patients: A systematic review and meta-analysis. *Complementary Therapies in Clinical Practice*, 44, 101416. <https://doi.org/10.1016/j.ctcp.2021.101416>
- Yang, W.-J., Bai, Y.-M., Qin, L., Xu, X.-I., Bao, K.-F., Xiao, J.-I., & Ding, G.W. (2019). The effectiveness of music therapy for postpartum depression: A systematic review and meta-analysis. *Complementary Therapies in Clinical Practice*, 37, 93-101. <https://doi.org/10.1016/j.ctcp.2019.09.002>
- Yangöz ŞT, Özer Z. Effects of music intervention on physical and psychological problems in adults receiving haemodialysis treatment: A systematic review and meta-analysis. *J Clin Nurs*. 2022 Dec;31(23-24):3305-3326. doi: 10.1111/jocn.16199. Epub 2022 Feb 3. PMID: 35118718.

- Yao Z, Ma Z, Zhu Y, Lv X. Music intervention in patients undergoing hematopoietic stem cell transplantation: A systematic review and meta-analysis. *Jpn J Nurs Sci*. 2024 Apr;21(2):e12586. doi: 10.1111/jjns.12586. Epub 2024 Jan 23. PMID: 38258611.
- Yu, R., Zhuo, Y., Feng, E., Wang, W., Lin, W., Lin, F., Li, Z., Lin, L., Xiao, L., Wang, H., Huang, Y., Wu, C., & Zhang, Y. (2020). The effect of musical interventions in improving short-term pain outcomes following total knee replacement: A meta-analysis and systematic review. *Journal of Orthopaedic Surgery and Research*, 15, 465. <https://doi.org/10.1186/s13018-020-01995-x>
- Yue, W., Han, X., Luo, J., Zeng, Z., & Yang, M. (2021). Effect of music therapy on preterm infants in neonatal intensive care unit: Systematic review and meta-analysis of randomized controlled trials. *Journal of Advanced Nursing*, 77(2), 635-652. <https://doi.org/10.1111/jan.14630>
- Zang L, Cheng C, Zhou Y, Liu X. Music therapy effect on anxiety reduction among patients with cancer: A meta-analysis. *Front Psychol*. 2023 Jan 6;13:1028934. doi: 10.3389/fpsyg.2022.1028934. PMID: 36687940; PMCID: PMC9853974.
- Zhang J, Yu Z, Zhang N, Zhao W, Wei B, He R, Xue H, Zhu B, Mao Y. Does music intervention relieve depression or anxiety in people living with dementia? A systematic review and meta-analysis. *Aging Ment Health*. 2023 Sep-Oct;27(10):1864-1875. doi: 10.1080/13607863.2023.2214091. Epub 2023 May 27. PMID: 37243671.
- Zhang X, Li J, Du Y. Melodic Intonation Therapy on Non-fluent Aphasia After Stroke: A Systematic Review and Analysis on Clinical Trials. *Front Neurosci*. 2022 Jan 27;15:753356. doi: 10.3389/fnins.2021.753356. PMID: 35153655; PMCID: PMC8829877.
- Zhong FP, Zhong J, Zhong MY. Effect of music therapy on chemotherapy-induced nausea and vomiting in gastrointestinal cancer: A systematic review and meta-analysis. *World J Gastrointest Surg*. 2023 Mar 27;15(3):471-479. doi: 10.4240/wjgs.v15.i3.471. PMID: 37032801; PMCID: PMC10080606.
- Zhong K, An X, Kong Y. The effectiveness of five-element music therapy for post-stroke depression: A systematic review and meta-analysis. *Heliyon*. 2024 Feb 17;10(5):e26603. doi: 10.1016/j.heliyon.2024.e26603. PMID: 38444465; PMCID: PMC10912230.
- Zhou C, Ma H, Qi X, Xu C, Liang Z. The effect of music therapy on delirium in patients receiving mechanical ventilatory support in the Intensive Care Unit: A protocol for systematic review and meta-analysis. *Medicine (Baltimore)*. 2023 Jun 16;102(24):e33956. doi: 10.1097/MD.00000000000033956. PMID: 37327279; PMCID: PMC10270468.
- Zhou, Z., Zhou, R., Wei, W., Luan, R., & Li, K. (2021). Effects of music-based movement therapy on motor function, balance, gait, mental health, and quality of life for patients with Parkinson's

disease: A systematic review and meta-analysis. *Clinical Rehabilitation*, 35(7), 937-951.

<https://doi.org/10.1177/0269215521990526>

Zimpel SA, Torloni MR, Porfírio GJM, Flumignan RLG, da Silva EMK. Complementary and alternative therapies for post-caesarean pain. *Cochrane Database of Systematic Reviews* 2020, Issue 9. Art. No.: CD011216. DOI: 10.1002/14651858.CD011216.pub2.

Prolotherapy:

Aetna. (2024). Prolotherapy and Sclerotherapy.

https://www.aetna.com/cpb/medical/data/200_299/0207.html

Ahadi T, Cham MB, Mirmoghtadaei M, Raissi GR, Janbazi L, Zoghi G. The effect of dextrose prolotherapy versus placebo/other non-surgical treatments on pain in chronic plantar fasciitis: a systematic review and meta-analysis of clinical trials. *J Foot Ankle Res*. 2023 Feb 10;16(1):5. doi: 10.1186/s13047-023-00605-3. PMID: 36759882; PMCID: PMC9912486.

Arias-Vázquez PI, Castillo-Avila RG, Tovilla-Zárate CA, Quezada-González HR, Arcila-Novelo R, Loeza-Magaña P. Efficacy of prolotherapy in pain control and function improvement in individuals with lateral epicondylitis: A Systematic Review and Meta-analysis. *ARP Rheumatol*. 2022 Apr-Jun;1(2):152-167. English. PMID: 35810374.

Arias-Vázquez PI, Tovilla-Zárate CA, Castillo-Avila RG, Legorreta-Ramírez BG, López-Narváez ML, Arcila-Novelo R, González-Castro TB. Hypertonic Dextrose Prolotherapy, an Alternative to Intra- Articular Injections With Hyaluronic Acid in the Treatment of Knee Osteoarthritis: Systematic Review and Meta-analysis. *Am J Phys Med Rehabil*. 2022 Sep 1;101(9):816-825. doi: 10.1097/PHM.0000000000001918. Epub 2021 Nov 18. PMID: 34740224.

Arias-Vázquez PI, Tovilla-Zárate CA, González-Graniel K, Burad-Fonz W, González-Castro TB, López-Narváez ML, Castillo-Avila RG, Arcila-Novelo R. Efficacy of hypertonic dextrose infiltrations for pain control in rotator cuff tendinopathy: systematic review and meta-analysis. *Acta Reumatol Port*. 2021 Apr-Jun;46(2):156-170. English. PMID: 34243180.

Arias-Vázquez PI, Tovilla-Zárate CA, Legorreta-Ramírez BG, Burad Fonz W, Magaña-Ricardez D, González-Castro TB, Juárez-Rojop IE, López-Narváez ML. Prolotherapy for knee osteoarthritis using hypertonic dextrose vs other interventional treatments: systematic review of clinical trials. *Adv Rheumatol*. 2019 Aug 19;59(1):39. doi: 10.1186/s42358-019-0083-7. PMID: 31426856.

Bae G, Kim S, Lee S, Lee WY, Lim Y. Prolotherapy for the patients with chronic musculoskeletal pain: systematic review and meta-analysis. *Anesth Pain Med (Seoul)*. 2021 Jan;16(1):81-95. doi:

10.17085/apm.20078. Epub 2020 Dec 16. PMID: 33348947; PMCID: PMC7861898.

Bahgat MM, Abdel-Hamid AM. Is dextrose prolotherapy beneficial in the management of temporomandibular joint internal derangement? A systematic review. *Cranio*. 2023 Apr 25;1-9. doi: 10.1080/08869634.2023.2204042. Epub ahead of print. PMID: 37097125.

Bisciotti GN, Chamari K, Cena E, Garcia GR, Vuckovic Z, Bisciotti A, Bisciotti A, Zini R, Corsini A, Volpi P. The conservative treatment of longstanding adductor-related groin pain syndrome: a critical and systematic review. *Biol Sport*. 2021 Mar;38(1):45-63. doi: 10.5114/biol sport.2020.97669. Epub 2020 Aug 5. PMID: 33795914; PMCID: PMC7996386.

Catapano M, Zhang K, Mittal N, Sangha H, Onishi K, de Sa D. Effectiveness of Dextrose Prolotherapy for Rotator Cuff Tendinopathy: A Systematic Review. *PM R*. 2020 Mar;12(3):288-300. doi: 10.1002/pmrj.12268. Epub 2019 Dec 4. Erratum in: *PM R*. 2020 Oct;12(10):1064. doi: 10.1002/pmrj.12445. PMID: 31642203.

Centers for Medicare & Medicaid Services (CMS). (1999). NCD 150.7 Prolotherapy, Joint Sclerotherapy, and Ligamentous Injections with Sclerosing Agents. <https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=15&ncdver=1&keyword=prolotherapy&keywordType=starts&areId=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance&bc=1>

Chung MW, Hsu CY, Chung WK, Lin YN. Effects of dextrose prolotherapy on tendinopathy, fasciopathy, and ligament injuries, fact or myth?: A systematic review and meta-analysis. *Medicine (Baltimore)*. 2020 Nov 13;99(46):e23201. doi: 10.1097/MD.00000000000023201. PMID: 33181700; PMCID: PMC7668443.

Chutumstid T, Susantitaphong P, Koonalinthip N. Effectiveness of dextrose prolotherapy for the treatment of chronic plantar fasciitis: A systematic review and meta-analysis of randomized controlled trials. *PM R*. 2023 Mar;15(3):380-391. doi: 10.1002/pmrj.12807. Epub 2022 Jul 11. PMID: 35338597.

Cortez VS, Moraes WA, Taba JV, Condi A, Suzuki MO, Nascimento FSD, Pipek LZ, Mattos VC, Torsani MB, Meyer A, Hsing WT, Iuamoto LR. Comparing dextrose prolotherapy with other substances in knee osteoarthritis pain relief: A systematic review. *Clinics (Sao Paulo)*. 2022 May 17;77:100037. doi: 10.1016/j.clinsp.2022.100037. PMID: 35594623; PMCID: PMC9123214.

Dagenais S, Mayer J, Haldeman S, Borg-Stein J. Evidence-informed management of chronic low back pain with prolotherapy. *Spine J*. 2008 Jan-Feb;8(1):203-12. doi: 10.1016/j.spinee.2007.10.021. PMID: 18164468.

Dagenais S, Yelland MJ, Del Mar C, Schoene ML. Prolotherapy injections for chronic low-back pain.

Cochrane Database Syst Rev. 2007 Apr 18;2007(2):CD004059. doi:

10.1002/14651858.CD004059.pub3. PMID: 17443537; PMCID: PMC6986690.

Dong W, Goost H, Lin XB, Burger C, Paul C, Wang ZL, Kong FL, Welle K, Jiang ZC, Kabir K. Injection therapies for lateral epicondylalgia: a systematic review and Bayesian network meta-analysis. *Br J Sports Med*. 2016 Aug;50(15):900-8. doi: 10.1136/bjsports-2014-094387. Epub 2015 Sep 21. PMID: 26392595.

Fong HPY, Zhu MT, Rabago DP, Reeves KD, Chung VCH, Sit RWS. Effectiveness of Hypertonic Dextrose Injection (Prolotherapy) in Plantar Fasciopathy: A Systematic Review and Meta-analysis of Randomized Controlled Trials. *Arch Phys Med Rehabil*. 2023 Nov;104(11):1941-1953.e9. doi: 10.1016/j.apmr.2023.03.027. Epub 2023 Apr 23. PMID: 37098357.

Geisinger. (2023). MP127 Prolotherapy. https://www.geisinger.org/-/media/OneGeisinger/Files/Policy-PDFs/MP/101-150/MP127-Prolotherapy.pdf?sc_lang=en&hash=02421B30327E03C03278388223F244AA

Goh SL, Jaafar Z, Gan YN, Choong A, Kaur J, Kundakci B, Abdul Karim S, Jaffar MR, A Hamid MS. Efficacy of prolotherapy in comparison to other therapies for chronic soft tissue injuries: A systematic review and network meta-analysis. *PLoS One*. 2021 May 26;16(5):e0252204. doi: 10.1371/journal.pone.0252204. PMID: 34038486; PMCID: PMC8153441.

Hassan F, Trebinjac S, Murrell WD, Maffulli N. The effectiveness of prolotherapy in treating knee osteoarthritis in adults: a systematic review. *Br Med Bull*. 2017 Jun 1;122(1):91-108. doi: 10.1093/bmb/ldx006. PMID: 28334196.

Hauser RA, Lackner JB, Steilen-Matias D, Harris DK. A Systematic Review of Dextrose Prolotherapy for Chronic Musculoskeletal Pain. *Clin Med Insights Arthritis Musculoskelet Disord*. 2016 Jul 7;9:139-59. doi: 10.4137/CMAMD.S39160. PMID: 27429562; PMCID: PMC4938120.

Herber A, Covarrubias O, Daher M, Tung WS, Gianakos AL. Platelet rich plasma therapy versus other modalities for treatment of plantar fasciitis: A systematic review and meta-analysis. *Foot Ankle Surg*. 2024 Jun;30(4):285-293. doi: 10.1016/j.fas.2024.02.004. Epub 2024 Feb 15. PMID: 38395675.

Hung CY, Hsiao MY, Chang KV, Han DS, Wang TG. Comparative effectiveness of dextrose prolotherapy versus control injections and exercise in the management of osteoarthritis pain: a systematic review and meta-analysis. *J Pain Res*. 2016 Oct 18;9:847-857. doi: 10.2147/JPR.S118669. PMID: 27799816; PMCID: PMC5079700.

Khan M, Shanmugaraj A, Prada C, Patel A, Babins E, Bhandari M. The Role of Hyaluronic Acid for Soft Tissue Indications: A Systematic Review and Meta-Analysis. *Sports Health*. 2023 Jan-

Feb;15(1):86-96. doi: 10.1177/19417381211073316. Epub 2022 Feb 3. PMID: 35114853; PMCID: PMC9808833.

Khateri S, Nejad FB, Kazemi F, Alaei B, Azami M, Moradkhani A, Majidi L, Moradi Y. The effect of dextrose prolotherapy on patients diagnosed with knee osteoarthritis: A comprehensive systematic review and meta-analysis of interventional studies. *Health Sci Rep*. 2024 Jun 24;7(6):e2145. doi: 10.1002/hsr2.2145. PMID: 38915358; PMCID: PMC11194473.

Krstičević M, Jerić M, Došenović S, Jeličić Kadić A, Puljak L. Proliferative injection therapy for osteoarthritis: a systematic review. *Int Orthop*. 2017 Apr;41(4):671-679. doi: 10.1007/s00264-017-3422-5. Epub 2017 Feb 11. PMID: 28190092.

Lai WF, Yoon CH, Chiang MT, Hong YH, Chen HC, Song W, Chin YPH. The effectiveness of dextrose prolotherapy in plantar fasciitis: A systemic review and meta-analysis. *Medicine (Baltimore)*. 2021 Dec 23;100(51):e28216. doi: 10.1097/MD.00000000000028216. PMID: 34941081; PMCID: PMC8702280.

Liu WC, Chen CT, Lu CC, Tsai YC, Liu YC, Hsu CW, Shih CL, Chen PC, Fu YC. Extracorporeal Shock Wave Therapy Shows Superiority Over Injections for Pain Relief and Grip Strength Recovery in Lateral Epicondylitis: A Systematic Review and Network Meta-analysis. *Arthroscopy*. 2022 Jun;38(6):2018-2034.e12. doi: 10.1016/j.arthro.2022.01.025. Epub 2022 Jan 31. PMID: 35093494.

Morath O, Beck M, Taeymans J, Hirschmüller A. Sclerotherapy and prolotherapy for chronic patellar tendinopathies - a promising therapy with limited available evidence, a systematic review. *J Exp Orthop*. 2020 Nov 9;7(1):89. doi: 10.1186/s40634-020-00303-0. PMID: 33165667; PMCID: PMC7652964.

Morath O, Kubosch EJ, Taeymans J, Zwingmann J, Konstantinidis L, Südkamp NP, Hirschmüller A. The effect of sclerotherapy and prolotherapy on chronic painful Achilles tendinopathy-a systematic review including meta-analysis. *Scand J Med Sci Sports*. 2018 Jan;28(1):4-15. doi: 10.1111/sms.12898. Epub 2017 May 26. PMID: 28449312.

Nagori SA, Jose A, Gopalakrishnan V, Roy ID, Chattopadhyay PK, Roychoudhury A. The efficacy of dextrose prolotherapy over placebo for temporomandibular joint hypermobility: A systematic review and meta-analysis. *J Oral Rehabil*. 2018 Dec;45(12):998-1006. doi: 10.1111/joor.12698. Epub 2018 Aug 3. PMID: 30024045.

Olivier TJ, Konda C, Pham T, Baltich Nelson B, Patel A, Sharma GS, Trivedi K, Annaswamy TM. Clinical practice guidelines on interventional management of low back pain: A synthesis of recommendations. *PM R*. 2023 Aug;15(8):1052-1063. doi: 10.1002/pmrj.12930. PMID: 36507598.

Rabago D, Best TM, Beamsley M, Patterson J. A systematic review of prolotherapy for chronic

musculoskeletal pain. Clin J Sport Med. 2005 Sep;15(5):376-80. doi:

10.1097/01.jsm.0000173268.05318.a4. PMID: 16162983.

Rabago D, Best TM, Zgierska AE, Zeisig E, Ryan M, Crane D. A systematic review of four injection therapies for lateral epicondylitis: prolotherapy, polidocanol, whole blood and platelet-rich plasma. Br J Sports Med. 2009 Jul;43(7):471-81. doi: 10.1136/bjsm.2008.052761. Epub 2008 Nov 21. PMID: 19028733; PMCID: PMC2755040.

Rabago D, Nourani B. Prolotherapy for Osteoarthritis and Tendinopathy: a Descriptive Review. Curr Rheumatol Rep. 2017 Jun;19(6):34. doi: 10.1007/s11926-017-0659-3. PMID: 28484944.

Sanderson LM, Bryant A. Effectiveness and safety of prolotherapy injections for management of lower limb tendinopathy and fasciopathy: a systematic review. J Foot Ankle Res. 2015 Oct 20;8:57. doi: 10.1186/s13047-015-0114-5. Erratum in: J Foot Ankle Res. 2015 Nov 04;8:60. doi: 10.1186/s13047-015-0117-2. PMID: 26500703; PMCID: PMC4617485.

Sit RW, Chung VCh, Reeves KD, Rabago D, Chan KK, Chan DC, Wu X, Ho RS, Wong SY. Hypertonic dextrose injections (prolotherapy) in the treatment of symptomatic knee osteoarthritis: A systematic review and meta-analysis. Sci Rep. 2016 May 5;6:25247. doi: 10.1038/srep25247. Erratum in: Sci Rep. 2017 Apr 07;7:45879. doi: 10.1038/srep45879. PMID: 27146849; PMCID: PMC4857084.

Sit RW, Reeves KD, Zhong CC, Wong CHL, Wang B, Chung VC, Wong SY, Rabago D. Efficacy of hypertonic dextrose injection (prolotherapy) in temporomandibular joint dysfunction: a systematic review and meta-analysis. Sci Rep. 2021 Jul 19;11(1):14638. doi: 10.1038/s41598-021-94119-2. PMID: 34282199; PMCID: PMC8289855.

Staal JB, de Bie RA, de Vet HC, Hildebrandt J, Nelemans P. Injection therapy for subacute and chronic low back pain: an updated Cochrane review. Spine (Phila Pa 1976). 2009 Jan 1;34(1):49-59. doi: 10.1097/BRS.0b013e3181909558. PMID: 19127161.

United Healthcare. (2023). Prolotherapy and Platelet Rich Plasma Therapies.

<https://www.uhcprovider.com/content/dam/provider/docs/public/policies/comm-medical-drug/prolotherapy-platelet-rich-plasma-therapies.pdf>

Waluyo Y, Artika SR, Insani Nanda Wahyuni, Gunawan AMAK, Zainal ATF. Efficacy of Prolotherapy for Osteoarthritis: A Systematic Review. J Rehabil Med. 2023 Feb 27;55:jrm00372. doi: 10.2340/jrm.v55.2572. PMID: 36847731; PMCID: PMC9989868.

Wang J, Liang J, Yao J, Song HX, Yang XT, Wu FC, Ye Y, Li JH, Wu T. Meta-analysis of clinical trials focusing on hypertonic dextrose prolotherapy (HDP) for knee osteoarthritis. Aging Clin Exp Res. 2022 Apr;34(4):715-724. doi: 10.1007/s40520-021-01963-3. Epub 2021 Aug 27. PMID:

- Wee TC, Neo EJR, Tan YL. Dextrose prolotherapy in knee osteoarthritis: A systematic review and meta-analysis. *J Clin Orthop Trauma*. 2021 May 20;19:108-117. doi: 10.1016/j.jcot.2021.05.015. PMID: 34046305; PMCID: PMC8144680.
- Yelland MJ, Del Mar C, Pirozzo S, Schoene ML. Prolotherapy injections for chronic low back pain: a systematic review. *Spine (Phila Pa 1976)*. 2004 Oct 1;29(19):2126-33. doi: 10.1097/01.brs.0000141188.83178.b3. PMID: 15454703.
- Yelland MJ, Mar C, Pirozzo S, Schoene ML, Vercoe P. Prolotherapy injections for chronic low-back pain. *Cochrane Database Syst Rev*. 2004;(2):CD004059. doi: 10.1002/14651858.CD004059.pub2. Update in: *Cochrane Database Syst Rev*. 2007 Apr 18;(2):CD004059. doi: 10.1002/14651858.CD004059.pub3. PMID: 15106234.
- Zhu M, Rabago D, Chung VC, Reeves KD, Wong SY, Sit RW. Effects of Hypertonic Dextrose Injection (Prolotherapy) in Lateral Elbow Tendinosis: A Systematic Review and Meta-analysis. *Arch Phys Med Rehabil*. 2022 Nov;103(11):2209-2218. doi: 10.1016/j.apmr.2022.01.166. Epub 2022 Feb 28. PMID: 35240122.

Remedial Reading:

No medical systematic reviews or meta-analyses available.

Sarapin:

Aetna. (2024). Prolotherapy and Sclerotherapy.

https://www.aetna.com/cpb/medical/data/200_299/0207.html

Baroncini, A., Maffulli, N., Eschweiler, J., Knobe, M., Tingart, M., & Migliorini, F. (2021). Management of facet joints osteoarthritis associated with chronic low back pain: A systematic review. *The Surgeon*, 19(6), e512-e518. <https://doi.org/10.1016/j.surge.2020.12.004>

Hauser, R.A., & Sprague, I.S. (2014). Outcomes of prolotherapy in chondromalacia patella patients: Improvements in pain level and function. *Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders*, 7, 13-20. <https://doi.org/10.4137/CMAMD.S13098>

Levin, J.H. (2009). Prospective, double-blind, randomized placebo-controlled trials in interventional spine: What the highest quality literature tells us. *The Spine Journal*, 9(8), 690-703.

<https://doi.org/10.1016/j.spinee.2008.06.447>

Lu, Y., & Hamill-Ruth, R. (2014). Efficacy of sarapin use after medial branch radiofrequency denervation. *The Journal of Pain*, 15(4s), S69. <https://doi.org/10.1016/j.jpain.2014.01.283>
Therapeutic Camping:

No medical systematic reviews or meta-analyses available.

Virtual Reality Procedural Dissociation:

Alizadeh M, Xiao Y, Kersten-Oertel M. Virtual and augmented reality in ventriculostomy: A systematic review. *World Neurosurg*. 2024 May 30:S1878-8750(24)00913-6. doi: 10.1016/j.wneu.2024.05.151. Epub ahead of print. PMID: 38823448.

Baradwan S, Alshahrani MS, AlSghan R, Alyafi M, Elsayed RE, Abdel-Hakam FA, Moustafa AA, Hussien AE, Yahia OS, Shama AA, Magdy AA, Abdelhakim AM, Badran H. The effect of virtual reality on pain and anxiety management during outpatient hysteroscopy: a systematic review and meta-analysis of randomized controlled trials. *Arch Gynecol Obstet*. 2024 Apr;309(4):1267-1280. doi: 10.1007/s00404-023-07319-8. Epub 2024 Jan 2. PMID: 38165441.

Bashir ZS, Misquith C, Has P, Bukhari SM. The Effectiveness of Virtual Reality on Anxiety and Pain Management in Patients Undergoing Cardiac Procedures: A Systematic Review and Meta-Analysis. *Cureus*. 2024 Apr 3;16(4):e57557. doi: 10.7759/cureus.57557. PMID: 38707015; PMCID: PMC11068510.

Burkhart RJ, Hecht CJ 2nd, McNassor R, Mistovich RJ. Interventions to Reduce Pediatric Anxiety During Orthopaedic Cast Room Procedures: A Systematic and Critical Analysis Review. *JBJS Rev*. 2023 Feb 15;11(2). doi: 10.2106/JBJS.RVW.22.00181. PMID: 36791237.

Cohen N, Nasra LA, Paz M, Kaufman Y, Lavie O, Zilberlicht A. Pain and anxiety management with virtual reality for office hysteroscopy: systemic review and meta-analysis. *Arch Gynecol Obstet*. 2024 Apr;309(4):1127-1134. doi: 10.1007/s00404-023-07261-9. Epub 2023 Nov 2. PMID: 37917158.

Dreesmann NJ, Su H, Thompson HJ. A Systematic Review of Virtual Reality Therapeutics for Acute Pain Management. *Pain Manag Nurs*. 2022 Oct;23(5):672-681. doi: 10.1016/j.pmn.2022.05.004. Epub 2022 Jul 19. PMID: 35868974; PMCID: PMC10748735.

Georgescu R, Fodor LA, Dobrean A, Cristea IA. Psychological interventions using virtual reality for pain associated with medical procedures: a systematic review and meta-analysis. *Psychol Med*.

2020 Aug;50(11):1795-1807. doi: 10.1017/S0033291719001855. Epub 2019 Aug 28. PMID: 31456530.

Gillum M, Huang S, Kuromaru Y, Dang J, Yenikomshian HA, Gillenwater TJ. Nonpharmacologic Management of Procedural Pain in Pediatric Burn Patients: A Systematic Review of Randomized Controlled Trials. *J Burn Care Res.* 2022 Mar 23;43(2):368-373. doi: 10.1093/jbcr/irab167. PMID: 34534314.

Hao T, Pang J, Liu Q, Xin P. A systematic review and network meta-analysis of virtual reality, audiovisuals and music interventions for reducing dental anxiety related to tooth extraction. *BMC Oral Health.* 2023 Sep 22;23(1):684. doi: 10.1186/s12903-023-03407-y. PMID: 37735362; PMCID: PMC10515077.

Kodvavi MS, Asghar MA, Ghaffar RA, Nadeem I, Bhimani S, Kumari V, Rabbani A, Iqbal M, Naeem R, Nasir AM, Hassan SS, Ghazni MS. Effectiveness of virtual reality in managing pain and anxiety in adults during periprocedural period: a systematic review and meta-analysis. *Langenbecks Arch Surg.* 2023 Aug 9;408(1):301. doi: 10.1007/s00423-023-03046-5. PMID: 37556082.

Lambert V, Boylan P, Boran L, Hicks P, Kirubakaran R, Devane D, Matthews A. Virtual reality distraction for acute pain in children. *Cochrane Database Syst Rev.* 2020 Oct 22;10(10):CD010686. doi: 10.1002/14651858.CD010686.pub2. PMID: 33089901; PMCID: PMC8094164.

López-Valverde N, Muriel Fernández J, López-Valverde A, Valero Juan LF, Ramírez JM, Flores Fraile J, Herrero Payo J, Blanco Antona LA, Macedo de Sousa B, Bravo M. Use of Virtual Reality for the Management of Anxiety and Pain in Dental Treatments: Systematic Review and Meta- Analysis. *J Clin Med.* 2020 Apr 5;9(4):1025. doi: 10.3390/jcm9041025. Retraction in: *J Clin Med.* 2020 Jul 28;9(8):E2404. doi: 10.3390/jcm9082404. PMID: 32260538; PMCID: PMC7231096.

Mallari B, Spaeth EK, Goh H, Boyd BS. Virtual reality as an analgesic for acute and chronic pain in adults: a systematic review and meta-analysis. *J Pain Res.* 2019 Jul 3;12:2053-2085. doi: 10.2147/JPR.S200498. PMID: 31308733; PMCID: PMC6613199.

McCahill RJ, Nagle C, Clarke P. Use of Virtual Reality for minor procedures in the Emergency Department: A scoping review. *Australas Emerg Care.* 2021 Sep;24(3):174-178. doi: 10.1016/j.auec.2020.06.006. Epub 2020 Jul 24. PMID: 32718907.

Meola A, Cutolo F, Carbone M, Cagnazzo F, Ferrari M, Ferrari V. Augmented reality in neurosurgery: a systematic review. *Neurosurg Rev.* 2017 Oct;40(4):537-548. doi: 10.1007/s10143-016-0732-9. Epub 2016 May 7. PMID: 27154018; PMCID: PMC6155988.

- Morris LD, Louw QA, Grimmer-Somers K. The effectiveness of virtual reality on reducing pain and anxiety in burn injury patients: a systematic review. *Clin J Pain*. 2009 Nov-Dec;25(9):815-26. doi: 10.1097/AJP.0b013e3181aaa909. PMID: 19851164.
- Rosa A, Pujia AM, Docimo R, Arcuri C. Managing Dental Phobia in Children with the Use of Virtual Reality: A Systematic Review of the Current Literature. *Children (Basel)*. 2023 Oct 30;10(11):1763. doi: 10.3390/children10111763. PMID: 38002854; PMCID: PMC10670820.
- Sajeev MF, Kelada L, Yahya Nur AB, Wakefield CE, Wewege MA, Karpelowsky J, Akimana B, Darlington AS, Signorelli C. Interactive video games to reduce paediatric procedural pain and anxiety: a systematic review and meta-analysis. *Br J Anaesth*. 2021 Oct;127(4):608-619. doi: 10.1016/j.bja.2021.06.039. Epub 2021 Jul 31. PMID: 34340838.
- Savaş EH, Demir AS, Semerci R, Karadağ A. Effect of virtual reality on pain during burn dressing in children: A systematic review and meta-analysis of randomized controlled trials. *J Pediatr Nurs*. 2023 Nov-Dec;73:e364-e371. doi: 10.1016/j.pedn.2023.10.002. Epub 2023 Oct 7. PMID: 37806856.
- Taşçı Ö, Özer N, Çoğaltay N. The Effect of Virtual Reality Application on Pain During Wound Care Dressing Change: A Systematic Review and Meta-analysis of Randomized Controlled Trials. *Pain Manag Nurs*. 2024 Apr;25(2):e99-e107. doi: 10.1016/j.pmn.2023.11.008. Epub 2023 Dec 12. PMID: 38092603.
- Teh JJ, Pascoe DJ, Hafeji S, Parchure R, Koczoski A, Rimmer MP, Khan KS, Al Wattar BH. Efficacy of virtual reality for pain relief in medical procedures: a systematic review and meta-analysis. *BMC Med*. 2024 Feb 14;22(1):64. doi: 10.1186/s12916-024-03266-6. PMID: 38355563; PMCID: PMC10865524.
- Tran Thi TH, Konara Mudiyansele SP, Huang MC. Effects of Distraction on Reducing Pain During Invasive Procedures in Children with Cancer: A Systematic Review and Meta-Analysis. *Pain Manag Nurs*. 2022 Jun;23(3):281-292. doi: 10.1016/j.pmn.2021.12.002. Epub 2022 Jan 12. PMID: 35031216.
- Vles MD, Terng NCO, Zijlstra K, Mureau MAM, Corten EML. Virtual and augmented reality for preoperative planning in plastic surgical procedures: A systematic review. *J Plast Reconstr Aesthet Surg*. 2020 Nov;73(11):1951-1959. doi: 10.1016/j.bjps.2020.05.081. Epub 2020 May 26. PMID: 32622713.