



Bilaga till rapport

1 (36)

Insatser vid postcovid och andra närliggande tillstånd och syndrom – en kartläggning
Treatment and rehabilitation interventions for post-COVID and other related conditions and syndromes –
a systematic mapping of studies
Rapport 379 (2024)

Bilaga 3 Sammanställning av studier som exkluderats efter relevansgranskning i fulltext och studier som inte ingår i analyserna på grund av hög risk för bias

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Postcovid

Excluded studies

Reference	Main reason for exclusion
Aaraj MA, Boorinie M, Salfity L, Eweiss A. The use of Platelet rich Plasma in COVID-19 Induced Olfactory Dysfunction: Systematic Review. Indian Journal of Otolaryngology & Head & Neck Surgery. 2023;1-5. Available from: https://doi.org/10.1007/s12070-023-03938-4 .	Wrong publication type
Abbas MAM, Afify AM, Sayed AM. Impact of Different Exercise Techniques on Menstrual Pain Severity in Postacute Covid-19 Women. Journal of Population Therapeutics and Clinical Pharmacology. 2023;30(7):e177-e83. Available from: https://doi.org/10.47750/jptcp.2023.30.07.022 .	Wrong patient population
Adamova A, Laskov O, Biackova N, Novak T, Vorackova V, Renka J, Klirova M. Transcranial Direct Current Stimulation (TDCS) As A Therapeutic Intervention For Post-Acute Neuropsychiatric Sequelae Of SARS-COV-2. Brain stimulation. 2023;16(1):248. Available from: https://doi.org/10.1016/j.brs.2023.01.394 .	Wrong publication type
Ahmadi Marzaleh M, Peyravi M, Azhdari N, Bahaadinbeigy K, Sharifian R, Samad-Soltani T, Sarpourian F. Virtual reality applications for rehabilitation of COVID-19 patients: A systematic review. Health Sci Rep. 2022;5(6):e853. Available from: https://doi.org/10.1002/hsr2.853 .	Wrong patient population
Ahmed I, Mustafaoglu R, Yeldan I, Yasaci Z, Erhan B. Effect of Pulmonary Rehabilitation Approaches on Dyspnea, Exercise Capacity, Fatigue, Lung Functions, and Quality of Life in Patients With COVID-19: A Systematic Review and Meta-analysis. Archives of Physical Medicine and Rehabilitation. 2022;103(10):2051-62. Available from: https://doi.org/10.1016/j.apmr.2022.06.007 .	Wrong patient population
Albiach C, Dominguez E, Lopez L, Sastre C, Minguez S, Nunez J, Palau Sampio P. Effect of a home-based inspiratory muscle training program on functional capacity in post-discharged patients with long COVID: the InsCOVID trial. European journal of preventive cardiology. 2023;30:i26. Available from: https://doi.org/10.1093/eurjpc/zwad125.021 .	Only abstract
Al-Mhanna SB, Mohamed M, Noor NM, Afolabi HA, Irekeola AA, Bello KE, et al. Effectiveness of Pulmonary Rehabilitation among COVID-19 Patients: A Systematic Review and Meta-Analysis. Healthcare (Basel). 2022;10(11):26. Available from: https://doi.org/10.3390/healthcare10112130 .	Wrong patient population
Alsharidah AS, Kamel FH, Alanazi AA, Alhawsah EA, Alharbi HK, Alrshedi ZO, Basha MA. A Pulmonary Telerehabilitation Program Improves Exercise Capacity and Quality of Life in Young Females Post-COVID-19 Patients. Ann Rehabil Med. 2023;47(6):502-10. Available from: https://doi.org/10.5535/ARM.23060 .	Wrong patient population
Alrajhi B, Alrodiman OA, Alhuzali AF, Alrashed H, Alrodiman YA, Alim B. Platelet-rich plasma for the treatment of COVID-19 related olfactory dysfunction: a systematic review. Rhinology.	Wrong patient population;

2023;61(6):498-507. Available from: https://doi.org/10.4193/Rhin23.168 .	
A MCP, M BCS, L PGM, A CC, R AFD, M ABR. Physical therapy rehabilitation after hospital discharge in patients affected by COVID-19: a systematic review. BMC Infect Dis. 2023;23(1):535. Available from: https://doi.org/10.1186/s12879-023-08313-w .	Wrong patient population
Amini A, Vaezmousavi M, Shirvani H. Comparing the effect of individual and group cognitive-motor training on reconstructing subjective well-being and quality of life in older males, recovered from the COVID-19. Cogn Process. 2023;10:10. Available from: https://doi.org/10.1007/s10339-023-01136-2 .	Wrong patient population
Andre MC, Sanchez C, Bressieux-Degueldre S, Perez MH, Wütz D, Blanchard-Rohner G, et al. Cardiac assessment and inflammatory markers in children with paediatric inflammatory multisystem syndrome temporally associated with SARS-CoV2 (PIMS-TS) treated with methylprednisolone versus intravenous immunoglobulins: 6-month follow-up outcomes of the. EClinicalMedicine. 2024;67:102358. Available from: https://doi.org/10.1016/j.eclinm.2023.102358 .	Wrong study design
Ansari S, Sanjari Moghaddam H, Basti FA, Salehi M, Akhondzadeh S. Efficacy and safety of celecoxib monotherapy for treatment of moderate depressive symptoms following COVID-19 infection: A randomized, double-blind, placebo-controlled trial. J Psychosom Res. 2023;174:111471. Available from: https://doi.org/10.1016/j.jpsychores.2023.111471 .	Wrong patient population
Arefnasab Z, Babamahmoodi A, Babamahmoodi F, Marjani M. Effects of Mindfulness-based Stress Reduction (MBSR) intervention on mental health and plasma level of IL-17 in patients with long COVID-19. Neuroimmunomodulation. 2023;30:9. Available from: https://doi.org/10.1159/000533613 .	Wrong publication type
Arienti C, Cordani C, Lazzarini SG, Del Furia MJ, Negrini S, Kiekens C. Fatigue, post-exertional malaise and orthostatic intolerance: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition. Eur J Phys Rehabil Med. 2022;58(6):857-63. Available from: https://doi.org/10.23736/S1973-9087.22.07802-9 .	Wrong publication type
Arienti C, Lazzarini SG, Andrenelli E, Cordani C, Negrini F, Pollini E, Ceravolo MG. Rehabilitation and COVID-19: systematic review by Cochrane Rehabilitation. Eur J Phys Rehabil Med. 2023;59(6):800-18. Available from: https://doi.org/10.23736/S1973-9087.23.08331-4 .	Wrong patient population
Arora K, Chauhan D, Gupta M, Bhati P, Anand P, Hussain ME. Impact of tele rehabilitation on clinical outcomes in patients recovering from COVID-19: a preliminary investigation. Comp Exerc physiol. 2022;18(4):297-304. Available from: https://doi.org/10.3920/CEP210048 .	Wrong patient population
Aryana I, Setiati S, Paulus IB, Daniella D. Appropriate Timing and Type of Physical Training in Patients with COVID-19 for Muscle Health and Quality of Life: A Systematic Review. J Nutr Metab. 2022;2022:6119593. Available from: https://doi.org/10.1155/2022/6119593 .	Wrong patient population

Arzayus-Patiño L, Perez-Hortua V, Aguilar-Zambrano J, Asencio-Santofimio H, Wilches-Luna EC. Effectiveness of Incentive Spirometry on Lung Function in Adult COVID-19 in the Acute and Post-COVID-19 Phase: Exploratory Review. <i>Current Respiratory Medicine Reviews</i> . 2023;19(3):218-27. Available from: https://doi.org/10.2174/1573398X1966623051014203 .	Wrong study design
Ashra F, Jen HJ, Liu D, Lee TY, Pien LC, Chen R, et al. Effectiveness of respiratory rehabilitation in patients with COVID-19: A meta-analysis. <i>J Clin Nurs</i> . 2023;21:21. Available from: https://doi.org/10.1111/jocn.16692 .	Wrong patient population
Asvapoositkul V, Samuthpongton J, Aeumjaturapat S, Snidvongs K, Chusakul S, Seresirikachorn K, Kanjanaumporn J. Therapeutic options of post-COVID-19 related olfactory dysfunction: a systematic review and meta-analysis. <i>Rhinology</i> . 2023;61(1):2-11. Available from: https://doi.org/10.4193/Rhin22.221 .	Wrong patient population
Bailly M, Pelissier L, Coudeyre E, Evrard B, Bingula R, Rochette C, et al. Systematic Review of COVID-19-Related Physical Activity-Based Rehabilitations: Benefits to Be Confirmed by More Robust Methodological Approaches. <i>Int J Environ Res Public Health</i> . 2022;19(15):25. Available from: https://doi.org/10.3390/ijerph19159025 .	Wrong patient population
Balakrishnan B, Hamrick L, Alam A, Thompson J. Effects of COVID-19 Acute Respiratory Distress Syndrome ICU Survivor Telemedicine Clinic on Patient Readmission, Pain Perception and Self-Assessed Health Scores: A Randomized, Prospective, Single-Center Exploratory Study. <i>JMIR formative research</i> . 2023;7:e43759. Available from: https://doi.org/10.2196/43759 .	Wrong patient population
Bates A, Cusack R, Rushbrook S, Shapiro E, Golding H, Pattison N, et al. Can eye movement desensitisation and reprocessing improve psychological recovery following COVID-19 related critical illness? the CovEMERALD feasibility trial. <i>Journal of the intensive care society</i> . 2023;24(1):104-5. Available from: https://doi.org/10.1177/17511437231156066 .	Wrong publication type
Bazdyrev E, Panova M, Brachs M, Smolyarchuk E, Tsygankova D, Gofman L, et al. Efficacy and safety of Treamid in the rehabilitation of patients after COVID-19 pneumonia: a phase 2, randomized, double-blind, placebo-controlled trial. <i>J</i> . 2022;20(1):506. Available from: https://doi.org/10.1186/s12967-022-03660-9 .	Wrong patient population
Berkel ST, Schneeberger T, Leitl D, Jarosch I, Gloeckl R, Nell C, et al. An automatically titrating oxygen-flow system during walking in hypoxaemic post-COVID-19 patients - A randomized controlled double-blind cross-over pilot trial. <i>Respir</i> . 2023;84:101060. Available from: https://doi.org/10.1016/j.resmer.2023.101060 .	Wrong patient population
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IMPROVES CARDIORESPIRATORY FITNESS IN LONG-COVID-19 PATIENTS: a RANDOMIZED CONTROLLED TRIAL. Canadian journal of cardiology. 2023;39(10):S178-S9. Available from: https://doi.org/10.1016/j.cjca.2023.06.272 .	
Betka S, Oliver K, Jemina F, Florian L, Sylvain C, Aline S, et al. Virtual reality intervention alleviates dyspnea in patients recovering from COVID pneumonia. European respiratory journal. 2022;60. Available from: https://doi.org/10.1183/13993003.congress-2022.1205 .	Wrong patient population
Biackova N, Klirova M, Vorackova V, Adamova A, Novak T, Renka J, Laskov O. Treatment of cognitive symptoms in post-COVID-19 syndrome – a transcranial direct current stimulation (tDCS) approach. Brain stimulation. 2023;16(1):247. Available from: https://doi.org/10.1016/j.brs.2023.01.391 .	Fulltext missing
Bileviciute-Ljungar I, Norrefalk JR, Borg K. Improvements in functioning and activity according to ICF after 8-week multidisciplinary telerehabilitation for postcovid-19 condition – a randomized control study. Journal of the neurological sciences. 2023;455. Available from: https://doi.org/10.1016/j.jns.2023.122148 .	Wrong publication type
Bradbury J, Wilkinson S, Schloss J. Nutritional Support During Long COVID: A Systematic Scoping Review. J Integr Complement Med. 2023;26:26. Available from: https://doi.org/10.1089/jicm.2022.0821 .	Wrong publication type
Cadth. Post–COVID-19 Condition Treatment and Management: Rapid Living Scoping Review. CADTH; 2022. Available from: https://www.cadth.ca/post-covid-19-condition-treatment-and-management-rapid-living-scoping-review .	Wrong publication type
Cadth. Corticosteroids for post–COVID-19 condition. CADTH; 2022. Available from: https://www.cadth.ca/corticosteroids-post-covid-19-condition .	Wrong study design
Capra AP, Ardizzone A, Crupi L, Calapai F, Campolo M, Cuzzocrea S, Esposito E. Efficacy of Palmitoylethanolamide and Luteolin Association on Post-Covid Olfactory Dysfunction: A Systematic Review and Meta-Analysis of Clinical Studies. Biomedicines. 2023;11(8):03. Available from: https://doi.org/10.3390/biomedicines11082189 .	Wrong patient population
Catalogna M, Sasson E, Hadanny A, Parag Y, Zilberman-Itskovich S, Efrati S. Effects of hyperbaric oxygen therapy on functional and structural connectivity in post-COVID-19 condition patients: A randomized, sham-controlled trial. Neuroimage (Amst). 2022;36:103218. Available from: https://doi.org/10.1016/j.neuroimage.2022.103218 .	Wrong outcome
Chandan JS, Brown KR, Simms-Williams N, Bashir NZ, Camaradou J, Heining D, et al. Non-Pharmacological Therapies for Post-Viral Syndromes, Including Long COVID: A Systematic Review. Int J Environ Res Public Health. 2023;20(4):16. Available from: https://doi.org/10.3390/ijerph20043477 .	Wrong study design
Chee YJ, Fan BE, Young BE, Dalan R, Lye DC. Clinical trials on the pharmacological treatment of long COVID: A systematic review. J Med Virol. 2023;95(1):e28289. Available from: https://doi.org/10.1002/jmv.28289 .	Wrong patient population

Cheema UN, Zeb S, Irfan L, Sikandar MZ, Ashraf SA, Munir K. Impact of Topical v/s Systemic Steroids on Regaining Olfaction in Post Covid-19 Patients; A Randomized Controlled Trail. Pakistan Journal of Medical and Health Sciences. 2022;16(11):185-7. Available from: https://doi.org/10.53350/pjmhs20221611185 .	Wrong patient population
Chudzik M, Burzynska M, Kapusta J. Use of 1-MNA to Improve Exercise Tolerance and Fatigue in Patients after COVID-19. Nutrients. 2022;14(15):22. Available from: https://doi.org/10.3390/nu14153004 .	Wrong patient population
Cordani C, Lazzarini SG, Del Furia MJ, Kiekens C, Arienti C, Negrini S. Arthralgia: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition. Eur J Phys Rehabil Med. 2022;58(6):870-4. Available from: https://doi.org/10.23736/S1973-9087.22.07803-0 .	Wrong publication type
Cordani C, Lazzarini SG, Zampogna E, Del Furia MJ, Arienti C, Negrini S, Kiekens C. Dyspnea: a map of Cochrane evidence relevant to rehabilitation for people with post COVID-19 condition. Eur J Phys Rehabil Med. 2022;58(6):864-9. Available from: https://doi.org/10.23736/S1973-9087.22.07805-4 .	Wrong publication type
Corna S, Giardini M, Godi M, Bellotti L, Arcolin I. Effects of Aerobic Training in Patients with Subacute COVID-19: A Randomized Controlled Feasibility Trial. Int J Environ Res Public Health. 2022;19(24):07. Available from: https://doi.org/10.3390/ijerph192416383 .	Wrong patient population
Cunqing Y, Fengmei L, Guiping Y, Yufeng H, Shuangbin Z, Jianghua W, et al. Effectiveness of Xiaoyao capsule on sleep disorders and mood disturbance in patients in recovery from coronavirus disease 2019: a randomized controlled trial. J Tradit Chin Med. 2023;43(2):343-51. Available from: https://doi.org/10.19852/j.cnki.jtcm.2023.02.005 .	Wrong patient population
Chen RD, Yang CW, Chen XB, Hu HF, Cui GZ, Zhu QR, Kuang MJ. Therapeutic Efficacy of Nasal Corticosteroids in COVID-19-Related Olfactory Dysfunction: A Comprehensive Systematic Review and Meta-analysis. Otolaryngol Head Neck Surg. 2023. Available from: https://doi.org/10.1002/ohn.621 .	Wrong patient population
Chien TJ, Liu CY, Chang YI, Fang CJ, Pai JH, Wu YX, Chen SW. Therapeutic effects of herbal-medicine combined therapy for COVID-19: A systematic review and meta-analysis of randomized controlled trials. Front Pharmacol. 2022;13. Available from: https://doi.org/10.3389/fphar.2022.950012 .	Wrong patient population
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de Oliveira KCV, de Lima Ferreira AP, de Andrade Silva D, Monteiro JdS, Silva KV, de Lucena LC, de Araújo MdGR. The impact of post-COVID multicomponent rehabilitation. Fisioterapia em Movimento. 2023;36:1-9. Available from: https://doi.org/10.1590/fm.2023.36112 .	Wrong patient population
de Sire AMLMNAFTADFVCCCDFFBAOTOAA. Impact of Rehabilitation on Fatigue in Post-COVID-19 Patients: A	Wrong study design

Systematic Review and Meta-Analysis. Applied Sciences. 2022;12(17):8593-. Available from: https://doi.org/10.3390/app12178593 .	
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Dillen H, Bekkering G, Gijsbers S, Vande Weygaerde Y, Van Herck M, Haesevoets S, et al. Clinical effectiveness of rehabilitation in ambulatory care for patients with persisting symptoms after COVID-19: a systematic review. BMC Infect Dis. 2023;23(1):419. Available from: https://doi.org/10.1186/s12879-023-08374-x .	Wrong study design
Emadzadeh M, Kabiri M. Efficacy of topical steroids for the treatment of olfactory disorders caused by COVID-19: A systematic review and meta-analysis. Clin Otolaryngol. 2023;48(4):721-2. Available from: https://doi.org/10.1111/coa.14058 .	Wrong publication type
Fares HM, Elsary AY, Elrefaey BH, Ghanem AAM, Fares EM, Farhat ES. Effect of pulmonary rehabilitation program on post hospitalization severe COVID-19 patients (Experimental study). Journal of Population Therapeutics and Clinical Pharmacology. 2023;30(7):e133-e40. Available from: https://doi.org/10.47750/jptcp.2023.30.07.016 .	Wrong patient population
Fernandez-Lazaro D, Santamaria G, Sanchez-Serrano N, Lantaron Caeiro E, Seco-Calvo J. Efficacy of Therapeutic Exercise in Reversing Decreased Strength, Impaired Respiratory Function, Decreased Physical Fitness, and Decreased Quality of Life Caused by the Post-COVID-19 Syndrome. Viruses. 2022;14(12):15. Available from: https://doi.org/10.3390/v14122797 .	Wrong patient population.
Fugazzaro S, Contri A, Esseroukh O, Kaleci S, Croci S, Massari M, et al. Rehabilitation Interventions for Post-Acute COVID-19 Syndrome: A Systematic Review. Int J Environ Res Public Health. 2022;19(9). Available from: https://doi.org/10.3390/ijerph19095185 .	Wrong patient population
Gawey B, Yang J, Bauer B, Song J, Wang XJ. The use of complementary and alternative medicine for the treatment of gastrointestinal symptoms in Long COVID: a systematic review. Ther Adv Chronic Dis. 2023;14:20406223231190548. Available from: https://doi.org/10.1177/2040622323119054 .	Wrong study design
Ghram A, Latiri I, Methnani J, Souissi A, Benzarti W, Toulgui E, Ben Saad H. Effects of cardiorespiratory rehabilitation program on submaximal exercise in patients with long-COVID-19 conditions: a systematic review of randomized controlled trials and recommendations for future studies. Expert Rev Respir Med. 2023;17(12):1095-124. Available from: https://doi.org/10.1080/17476348.2023.2293226	Wrong patient population
Group RC. Immunomodulatory therapy in children with paediatric inflammatory multisystem syndrome temporally associated with SARS-CoV-2 (PIMS-TS, MIS-C; RECOVERY): a randomised, controlled, open-label, platform trial. The Lancet	Wrong patient population

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Hajibashi A, Sarrafzadeh J, Amiri A, Salehi R, Vasaghi-Gharamaleki B. Effect of progressive muscle relaxation as an add-on to pulmonary telerehabilitation in discharged patients with COVID-19: A randomised controlled trial. <i>Complement Ther Clin Pract</i> . 2023;51:101730. Available from: https://doi.org/10.1016/j.ctcp.2023.101730 .	Wrong patient population.
Halabchi F, Selk-Ghaffari M, Tazesh B, Mahdaviani B. The effect of exercise rehabilitation on COVID-19 outcomes: a systematic review of observational and intervention studies. <i>Sport sci</i> . 2022;18(4):1201-19. Available from: https://doi.org/10.1007/s11332-022-00966-5 .	Wrong patient population
Hausswirth C, Schmit C, Rougier Y, Coste A. Positive Impacts of a Four-Week Neuro-Meditation Program on Cognitive Function in Post-Acute Sequelae of COVID-19 Patients: A Randomized Controlled Trial. <i>Int J Environ Res Public Health</i> . 2023;20(2):11. Available from: https://doi.org/10.3390/ijerph20021361 .	Wrong patient population
Harandi AA, Pakdaman H, Medghalchi A, Kimia N, Kazemian A, Siavoshi F, et al. A randomized open-label clinical trial on the effect of Amantadine on post Covid 19 fatigue. <i>Sci</i> . 2024;14(1):1343. Available from: https://doi.org/10.1038/s41598-024-51904-z .	Wrong patient population
Hill NS. In persistent dyspnea after COVID-19 ARDS, exercise training rehabilitation vs. usual PT reduced dyspnea at 90 d. <i>Ann Intern Med</i> . 2023;176(10):JC117. Available from: https://doi.org/10.7326/J23-0073 .	Wrong publication type
Huang JFYZKYCZZCYJWYQY. Do patients with and survivors of COVID-19 benefit from telerehabilitation? A meta-analysis of randomized controlled trials. <i>Frontiers in public health</i> . 2022;10.	Wrong patient population
Hwang SH, Kim SW, Basurrah MA, Kim DH. The Efficacy of Olfactory Training as a Treatment for Olfactory Disorders Caused by Coronavirus Disease-2019: A Systematic Review and Meta-Analysis. <i>Am J Rhinol and Allergy</i> . 2023;37(4):495-501. Available from: https://doi.org/10.1177/19458924221150977 .	Wrong patient population
Ibrahim AA, Dewir IM, Abu El Kasem ST, Ragab MM, Abdel-Fattah MS, Hussein HM. Influences of high vs. low-intensity exercises on muscle strength, function, and quality of life in post-COVID-19 patients with sarcopenia: a randomized controlled trial. <i>Eur Rev Med Pharmacol Sci</i> . 2023;27(20):9530-9. Available from: https://doi.org/10.26355/eurrev_202310_34126 .	Wrong patient population
Jie D, Chenyuan Q, Minjung L, Yubin L, Myoungsoon Y, Jue L. Rehabilitation Interventions for Old Adults with Post COVID-19 Infection: A Systematic Review and Meta-Analysis of Randomized Controlled Trails. <i>SSRN</i> . 2023. Available from: https://doi.org/10.2139/ssrn.4676944 .	Wrong publication type

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Kabiri M, Emadzadeh M. The Effect of Corticosteroids on Post-Covid-19 Smell Loss: A Meta-Analysis. <i>Iranian Journal of Otorhinolaryngology</i> . 2023;35(5):235-46. Available from: https://doi.org/10.22038/IJORL.2023.72451.3456 .	Wrong patient population
Kang HY, Ahn HY, Kang MJ, Hur MH. Effects of aromatherapy on sore throat, nasal symptoms and sleep quality in adults infected with COVID-19: A randomized controlled trial. <i>Integrative Medicine Research</i> . 2023;12(4). Available from: https://doi.org/10.1016/j.imr.2023.101001 .	Wrong patient population
Kharaeva Z, Shokarova A, Shomakhova Z, Ibragimova G, Trakhtman P, Trakhtman I, et al. Fermented <i>Carica papaya</i> and <i>Morinda citrifolia</i> as Perspective Food Supplements for the Treatment of Post-COVID Symptoms: Randomized Placebo-Controlled Clinical Laboratory Study. <i>Nutrients</i> . 2022;14(11):25. Available from: https://doi.org/10.3390/nu14112203 .	Wrong patient population
Kim TH, Jeon SR, Kang JW, Kwon S. Complementary and Alternative Medicine for Long COVID: Scoping Review and Bibliometric Analysis. <i>Evid Based Complement Alternat Med</i> . 2022;2022:7303393. Available from: https://doi.org/10.1155/2022/7303393 .	Wrong publication type.
Kirsten J, Jerg A, Matits L, Zorn J, Mentz L, Schulz SVW, Steinacker JM. Respiratory Muscle Training with an App-Based Device Improves Persistent Shortness of Breath in Patients after SARS-CoV-2 Infection – a Randomized Controlled Trial. <i>Dtsch Z Sportmed</i> . 2023;74(5):175-81. Available from: https://doi.org/10.5960/dzsm.2023.570 .	Wrong patient population
Kulkarni T, Santiaguel J, Aul R, Harnett M, Paden H, Gara A, et al. Safety and Tolerability of LYT-100 (Deupirfenidone) in Post-Acute Sequelae of SARS-CoV-2 (PASC) “Long COVID” Patients Presenting With Respiratory Complications. <i>American journal of respiratory and critical care medicine</i> . 2023;207(1). Available from: https://doi.org/10.1164/ajrccm-conference.2023.D21 .	Wrong publication type
Kumari V, Chauhan S, Vakani K, Antonova E, Bryant J. Camera-based visual feedback learning aid for recovering sense of smell and taste in COVID-19 survivors: a proof-of-concept study. <i>Front Psychol</i> . 2023;14:1213254. Available from: https://doi.org/10.3389/fpsyg.2023.1213254 .	Wrong study design
Kwan ATH, Le GH, Guo Z, Ceban F, Teopiz KM, Rhee TG, et al. Impacts of metabolic disruption, body mass index and inflammation on cognitive function in post-COVID-19 condition: a randomized controlled trial on vortioxetine. <i>Ann Gen Psychiatry</i> . 2024;23(1):10. Available from: https://doi.org/10.1186/s12991-024-00494-1 .	Wrong study design
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ME/CFS

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You J, Ye J, Li H, Ye W, Hong E. Moxibustion for Chronic Fatigue Syndrome: A Systematic Review and Meta-Analysis. *Evid Based Complement Alternat Med*. 2021;2021:6418217. Available from: <https://doi.org/10.1155/2021/6418217>. Wrong patient population

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Zhang Y, Jin F, Wei X, Jin Q, Xie J, Pan Y, Shen W. Chinese herbal medicine for the treatment of chronic fatigue syndrome: A systematic review and meta-analysis. *Front Pharmacol*. 2022;13:958005. Available from: <https://doi.org/10.3389/fphar.2022.958005>. Wrong patient population

Study with high risk of bias

Wormgoor MEA, Rodenburg SC. The evidence base for physiotherapy in myalgic encephalomyelitis/chronic fatigue syndrome when considering post-exertional malaise: a systematic review and narrative synthesis. *J. 2021;19(1):1*. Available from: <https://doi.org/10.1186/s12967-020-02683-4>.

PANS/PANDAS

Excluded studies

Reference	Main reason for exclusion
Ahrq. Diagnosis and Treatment of Obsessive-Compulsive Disorder in Children and Adolescents. AHRQ; 2022. Available from: https://effectivehealthcare.ahrq.gov/sites/default/files/related_files/OCD-key-questions.pdf?_gl=1*ktf01y*_ga*MTMyMjQ5ODMwOS4xNjg3MzM2MDk5*_ga_45NDTD15CJ*MTY5Mjg4NDc2OS40LjAuMTY5Mjg4NDc2OS42MC4wLjA .	Wrong publication type
Alaghband-Rad J, Hakimshoostary M. A randomized controlled clinical trial of citalopram versus fluoxetine in children and adolescents with obsessive-compulsive disorder (OCD). <i>Eur Child Adolesc Psychiatry</i> . 2009;18(3):131-5. Available from: https://doi.org/https://dx.doi.org/10.1007/s00787-007-0634-z .	Wrong patient population
Cadth. Off-Label Use of Intravenous Immunoglobulin for Neurological Conditions: A Review of Clinical Effectiveness. CADTH; 2018. Available from: https://www.cadth.ca/label-use-intravenous-immunoglobulin-neurological-conditions-review-clinical-effectiveness .	Wrong publication type
Dop D, Marcu IR, Padureanu R, Niculescu CE, Padureanu V. Pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections (Review). <i>Experimental Ther</i> . 2021;21(1):94. Available from: https://doi.org/https://dx.doi.org/10.3892/etm.2020.9526 .	Wrong publication type
Gadian J, Kirk E, Holliday K, Lim M, Absoud M. Systematic review of immunoglobulin use in paediatric neurological and neurodevelopmental disorders. <i>Dev Med Child Neurol</i> . 2017;59(2):136-44. Available from: https://doi.org/https://dx.doi.org/10.1111/dmcn.13349 .	Wrong study design
Grant PJ, Joseph LA, Farmer CA, Luckenbaugh DA, Lougee LC, Zarate CA, Jr., Swedo SE. 12-week, placebo-controlled trial of add-on riluzole in the treatment of childhood-onset obsessive-compulsive disorder. <i>Neuropsychopharmacology</i> . 2014;39(6):1453-9. Available from: https://doi.org/https://dx.doi.org/10.1038/npp.2013.343 .	Wrong patient population
Vitaliti G, Tabatabaie O, Matin N, Ledda C, Pavone P, Lubrano R, et al. The usefulness of immunotherapy in pediatric neurodegenerative disorders: A systematic review of literature data. <i>Hum Vaccin Immunother</i> . 2015;11(12):2749-63. Available from:	Wrong publication type

<https://doi.org/https://dx.doi.org/10.1080/21645515.2015.1061161>.

Woods DW, Piacentini JC, Scahill L, Peterson AL, Wilhelm S, Chang S, et al. Behavior therapy for tics in children: acute and long-term effects on psychiatric and psychosocial functioning. *J Child Neurol*. 2011;26(7):858-65. Available from: <https://doi.org/https://dx.doi.org/10.1177/0883073810397046>. Wrong patient population

Studies with high risk of bias

Burchi E, Pallanti S. Antibiotics for PANDAS? Limited Evidence: Review and Putative Mechanisms of Action. *Prim Care Companion CNS Disord*. 2018;20(3):03. Available from: <https://doi.org/https://dx.doi.org/10.4088/PCC.17r02232>.

Cocuzza S, Maniaci A, La Mantia I, Nocera F, Caruso D, Caruso S, et al. Obsessive-Compulsive Disorder in PANS/PANDAS in Children: In Search of a Qualified Treatment-A Systematic Review and Metanalysis. *Children (Basel)*. 2022;9(2):26. Available from: <https://doi.org/https://dx.doi.org/10.3390/children9020155>.

Farhood Z, Ong AA, Discolo CM. PANDAS: A systematic review of treatment options. *Int J Pediatr Otorhinolaryngol*. 2016;89:149-53. Available from: <https://doi.org/https://dx.doi.org/10.1016/j.ijporl.2016.08.008>.

Sigra S, Hesselmark E, Bejerot S. Treatment of PANDAS and PANS: a systematic review. *Neurosci Biobehav Rev*. 2018;86:51-65. Available from: <https://doi.org/https://dx.doi.org/10.1016/j.neubiorev.2018.01.001>.

Post-Sepsis

Excluded studies

Reference	Main reason for exclusion
Boede M, Gensichen JS, Jackson JC, Eisler F, Lehmann T, Schulz S, et al. Trajectories of depression in sepsis survivors: an observational cohort study. <i>Crit Care</i> . 2021;25(1):161. Available from: https://doi.org/10.1186/s13054-021-03577-7 .	Wrong study design
Kosilek RP, Schmidt K, Baumeister SE, Gensichen J. Frequency and risk factors of post-intensive care syndrome components in a multicenter randomized controlled trial of German sepsis survivors. <i>J Crit Care</i> . 2021;65:268-	Wrong study design

73. Available from:

<https://doi.org/10.1016/j.jcrc.2021.07.006>.

Ruble D, Opal SM, Schramm W, Keinecke HO, Knaub S. Quality of life effects of antithrombin III in sepsis survivors: results from the KyberSept trial [ISRCTN22931023]. <i>Crit Care</i> . 2002;6(4):349-56.	Wrong patient population
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Schmidt K, Schwarzkopf D, Baldwin L, Martin F, Freytag A, Heintze C, et al. Long-term effects of a sepsis aftercare intervention. <i>Critical care</i> (London, England). 2019;23. Available from: https://doi.org/10.1186/s13054-019-2358-0 .	Wrong publication type
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Schmidt K, Worrack S, Brunkhorst FM, Davydow DS, Ehlert U, Engel C, et al. Sepsis survivors monitoring and coordination in outpatient health care (smooth)-a randomized controlled trial. <i>American journal of respiratory and critical care medicine</i> . 2015;191.	Wrong publication type
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Taito S, Taito M, Banno M, Tsujimoto H, Kataoka Y, Tsujimoto Y. Rehabilitation for patients with sepsis: A systematic review and meta-analysis. <i>PLoS ONE</i> . 2018;13(7):e0201292. Available from: https://doi.org/10.1371/journal.pone.0201292 .	Wrong patient population
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Post-influenza

Excluded studies

Reference	Main reason for exclusion
Altundag A, Cayonu M, Kayabasoglu G, Salihoglu M, Tekeli H, Saglam O, Hummel T. Modified olfactory training in patients with postinfectious olfactory loss. <i>Laryngoscope</i> . 2015;125(8):1763-6. Available from: https://doi.org/10.1002/lary.25245 .	Wrong study design
Behan PO, Behan WMH, Horrobin DF. A placebo-controlled trial of n-3 and n-6 essential fatty acids in the treatment of post-viral fatigue syndrome. <i>Acta neurologica Scandinavica</i> . 1990;82(3):209-16.	Wrong patient population
Damm M, Pikart LK, Reimann H, Burkert S, Goktas O, Haxel B, et al. Olfactory training is helpful in postinfectious olfactory loss: a randomized, controlled, multicenter study. <i>Laryngoscope</i> . 2014;124(4):826-31. Available from: https://doi.org/10.1002/lary.24340 .	Wrong patient population
Fowler-Davis S, Platts K, Thelwell M, Woodward A, Harrop D. A mixed-methods systematic review of post-viral fatigue interventions: Are there lessons for long Covid? <i>PLoS ONE</i> . 2021;16(11):e0259533. Available from: https://doi.org/10.1371/journal.pone.0259533 .	Wrong patient population
Guo Y, Wei Y, Pinto JM, Yao L, Liu J, Sun Z. Treatment with glucocorticoids and ginkgo biloba extract for olfactory dysfunction. <i>Chemical senses</i> . 2018;43(7):e229-e30. Available from: https://doi.org/10.1093/chemse/bjy035 .	Wrong publication type
Harless L, Liang J. Pharmacologic treatment for postviral olfactory dysfunction: a systematic review. <i>Int Forum Allergy Rhinol</i> . 2016;6(7):760-7. Available from: https://doi.org/10.1002/alr.21727 .	Wrong patient population
Helman SN, Adler J, Jafari A, Bennett S, Vuncannon JR, Cozart AC, et al. Treatment strategies for postviral olfactory dysfunction: A systematic review. <i>Allergy Asthma Proc</i> . 2022;43(2):96-105. Available from: https://doi.org/10.2500/aap.2022.43.210107 .	Wrong patient population
Kattar N, Do TM, Unis GD, Migneron MR, Thomas AJ, McCoul ED. Olfactory Training for Postviral Olfactory Dysfunction: Systematic Review and Meta-analysis. <i>Otolaryngol Head Neck Surg</i> . 2021;164(2):244-54. Available from: https://doi.org/10.1177/0194599820943550 .	Wrong patient population

<p>Kobayashi M, Miwa T, Mori E, Shiga H, Tsuzuki K, Okutani F, et al. Efficacy of tokishakuyakusan and mecobalamin on post-infectious olfactory dysfunction: A prospective multicenter study. <i>Auris Nasus Larynx</i>. 2023;27:27. Available from: https://doi.org/10.1016/j.anl.2023.04.010.</p>	Wrong patient population
<p>Lee JJ, Peterson AM, Kallogjeri D, Jiramongkolchai P, Kukuljan S, Schneider JS, et al. Smell Changes and Efficacy of Nasal Theophylline (SCENT) irrigation: A randomized controlled trial for treatment of post-viral olfactory dysfunction. <i>Am J Otolaryngol</i>. 2022;43(2):103299. Available from: https://doi.org/10.1016/j.amjoto.2021.103299.</p>	Wrong patient population
<p>Li XQ, Shi ZM. Acupuncture treatment based on lung-stomach theory in treating post-infectious cough. <i>Shanghai journal of acupuncture and moxibustion [shang hai zhen jiu za zhi]</i>. 2015;34(3):211-3.</p>	Wrong language
<p>Lill K, Reden J, Muller A, Zahnert T, Hummel T. Olfactory function in patients with post-infectious and post-traumatic smell disorders before and after treatment with vitamin A: a double-blind, placebo-controlled, randomized clinical trial. <i>Chemical senses</i>. 2006;31(5):A33.</p>	Wrong publication type
<p>Ma F, Zhang H, Li B, Yang D, Cheng P, Yu M, et al. The Effect of Traditional Chinese Medicine on Postviral Olfactory Dysfunction: A Systematic Review and Meta-Analysis. <i>Evid Based Complement Alternat Med</i>. 2023;2023:7448034. Available from: https://doi.org/10.1155/2023/7448034.</p>	Wrong patient population
<p>Obermoser K, Brigo N, Schroll A, Monfort-Lanzas P, Gostner JM, Engl S, et al. Positive Effects of Probiotic Therapy in Patients with Post-Infectious Fatigue. <i>Metabolites</i>. 2023;13(5):08. Available from: https://doi.org/10.3390/metabo13050639.</p>	Wrong patient population
<p>Oleszkiewicz A, Hanf S, Whitcroft KL, Haehner A, Hummel T. Examination of olfactory training effectiveness in relation to its complexity and the cause of olfactory loss. <i>Laryngoscope</i>. 2018;128(7):1518-22. Available from: https://doi.org/10.1002/lary.26985.</p>	Wrong patient population
<p>Reden J, Herting B, Lill K, Kern R, Hummel T. Treatment of postinfectious olfactory disorders with minocycline: a double-blind, placebo-controlled study. <i>Laryngoscope</i>. 2011;121(3):679-82. Available from: https://doi.org/10.1002/lary.21401.</p>	Wrong patient population
<p>Yuan F, Huang T, Wei Y, Wu D. Steroids and Olfactory Training for Postviral Olfactory Dysfunction: A Systematic Review. <i>Front</i>.</p>	Wrong patient population

2021;15:708510. Available from:

<https://doi.org/10.3389/fnins.2021.708510>.

Zanasi A, Lecchi M, Del Forno M, Fabbri E, Mastroberto M, Mazzolini M, et al. A randomized, placebo-controlled, double-blind trial on the management of post-infective cough by inhaled ipratropium and salbutamol administered in combination. *Pulm Pharmacol Ther.*

2014;29(2):224-32. Available from:

<https://doi.org/10.1016/j.pupt.2014.07.008>.

Wrong patient population

POTS

Excluded studies

Reference	Main reason for exclusion
Abbate G, De Iulio B, Thomas G, Priday A, Biondi-Zoccai G, Markley R, Abbate A. Postural Orthostatic Tachycardia Syndrome After COVID-19: A Systematic Review of Therapeutic Interventions. <i>J Cardiovasc Pharmacol</i> . 2023;82(1):23-31. Available from: https://doi.org/10.1097/FJC.0000000000001432 .	Only abstract
Arnold AC, Haman K, Garland EM, Miller AJ, Wang M, Shen B, et al. Acute modafinil and cognition in postural tachycardia syndrome. <i>Clinical autonomic research</i> . 2019;29(5):543. Available from: https://doi.org/10.1007/s10286-019-00631-x .	Only abstract;
Bogle JM, Goodman BP, Barrs DM. Postural orthostatic tachycardia syndrome for the otolaryngologist. <i>Laryngoscope</i> . 2017;127(5):1195-8. Available from: https://doi.org/10.1002/lary.26269 .	Wrong study design
Bourne K, Exner DV, Mph MD, Tyberg JV, Sheldon RS, Kogut K, et al. BODY COMPRESSION IN POSTURAL TACHYCARDIA SYNDROME: EFFECTS ON ORTHOSTATIC TOLERANCE. <i>Heart rhythm</i> . 2019;16(5):495. Available from: https://doi.org/10.1016/j.hrthm.2019.04.018 .	Only abstract
Bourne KM, Sheldon RS, Exner DV, Tyberg J, Kogut K, Ng J, et al. Body compression in postural tachycardia syndrome improves orthostatic tolerance in a dose-dependent pattern. <i>Clinical autonomic research</i> . 2019;29(5):525. Available from: https://doi.org/10.1007/s10286-019-00631-x .	Only abstract;
Celedonio JE, Garland EM, Nwazue VC, Paranjape SY, Black BK, Okamoto LE, et al. Effects of high sodium intake on blood volume and catecholamines in patients with postural tachycardia syndrome and healthy females. <i>Clinical autonomic research</i> . 2014;24(5):211. Available from: https://doi.org/10.1007/s10286-014-0251-0 .	Only abstract;
Celedonio JE, Garland EM, Nwazue VC, Paranjape SY, Black BK, Okamoto LE, et al. Effects of high sodium intake on plasma volume and physical fitness in patients with postural tachycardia syndrome and healthy females. <i>Autonomic neuroscience: basic and clinical</i> . 2015;192:121. Available from: https://doi.org/10.1016/j.autneu.2015.07.213 .	Only abstract

Chen L, Wang L, Sun J, Qin J, Tang C, Jin H, Du J. Midodrine hydrochloride is effective in the treatment of children with postural orthostatic tachycardia syndrome. <i>Circulation Journal</i> . 2011;75(4):927-31. Available from: https://doi.org/10.1253/circj.CJ-10-0514 .	Wrong study design
Eftekhari H, Maddock H, Pearce G, Raza S, Kavi L, Lim PB, et al. Understanding the future research needs in Postural Orthostatic Tachycardia Syndrome (POTS): Evidence mapping the POTS adult literature. <i>Auton Neurosci</i> . 2021;233:102808. Available from: https://doi.org/10.1016/j.autneu.2021.102808 .	Wrong study design
Garland EM, Celedonio JE, Nwazue V, Paranjape SY, Black BK, Diedrich A, et al. Carbidopa fails to decrease urinary sodium excretion or improve orthostatic tachycardia in postural tachycardia syndrome. <i>Clinical autonomic research</i> . 2016;26(5):356-7. Available from: https://doi.org/10.1007/s10286-016-0379-1 .	Only abstract
Gee ME, Watkins AK, Brown JN, Young EJA. Ivabradine for the Treatment of Postural Orthostatic Tachycardia Syndrome: A Systematic Review. <i>Am J Cardiovasc Drugs</i> . 2018;18(3):195-204. Available from: https://doi.org/10.1007/s40256-017-0252-1 .	Wrong study design
Gomez-Moyano E, Rodriguez-Capitan J, Gaitan Roman D, Reyes Bueno JA, Villalobos Sanchez A, Espildora Hernandez F, et al. Postural orthostatic tachycardia syndrome and other related dysautonomic disorders after SARS-CoV-2 infection and after COVID-19 messenger RNA vaccination. <i>Front Neurol</i> . 2023;14:1221518. Available from: https://doi.org/10.3389/fneur.2023.1221518 .	Wrong study design
Goodman BP. Treatment Updates in Postural Tachycardia Syndrome. <i>Current Treatment Options in Neurology</i> . 2020;22(10). Available from: https://doi.org/10.1007/s11940-020-00643-3 .	Wrong study design
Khurana RK. A double-blind, placebo-controlled, crossover pilot trial of gabapentin for treatment of postural tachycardia symptoms. <i>Clinical autonomic research</i> . 2019;29(5):528. Available from: https://doi.org/10.1007/s10286-019-00631-x .	Only abstract
Li W, Wang S, Liu X, Zou R, Tan C, Wang C. Assessment of Efficacy of Oral Rehydration Salts in Children With Neurally Mediated Syncope of Different Hemodynamic Patterns. <i>J Child Neurol</i> . 2019;34(1):5-10. Available from: https://doi.org/10.1177/0883073818803035 .	Wrong study design

Loughlin EA, Judge CS, Gorey SE, Costello MM, Murphy RP, Waters RF, et al. Increased Salt Intake for Orthostatic Intolerance Syndromes: A Systematic Review and Meta-Analysis. <i>Am J Med.</i> 2020;133(12):1471-8.e4. Available from: https://doi.org/10.1016/j.amjmed.2020.05.028 .	Wrong study design
Moon J, Lim JA, Kim TJ, Jun JS, Lee ST, Jun KH, et al. Therapeutic efficacy of propranolol, bisoprolol, and pyridostigmine for postural tachycardia syndrome. <i>Annals of neurology.</i> 2017;82:S102-S3. Available from: https://doi.org/10.1002/ana.25024 .	Only abstract
Nardone M, Guzman J, Harvey P, Floras J, Edgell H. Effect of a neck compression collar on cardiorespiratory function in postural tachycardia syndrome (POTS). <i>Clinical autonomic research.</i> 2019;29(5):542. Available from: https://doi.org/10.1007/s10286-019-00631-x .	Only abstract
Nwazue VC, Arnold AC, Raj V, Black BK, Biaggioni I, Paranjape SY, et al. Understanding the placebo effect in clinical trials for postural tachycardia syndrome. <i>Clin Exp Pharmacol Physiol.</i> 2014;41(5):325-30. Available from: https://doi.org/10.1111/1440-1681.12221 .	Wrong intervention
Okamoto LE, Diedrich A, Gamboa A, Shibao C, Black BK, Raj SR, et al. Combined β -blockade and splanchnic venous compression in the treatment of POTS. <i>Autonomic neuroscience: basic and clinical.</i> 2015;192:120. Available from: https://doi.org/10.1016/j.autneu.2015.07.210 .	Only abstract
Raj SR, Guzman JC, Harvey P, Richer L, Schondorf R, Seifer C, et al. Canadian Cardiovascular Society Position Statement on Postural Orthostatic Tachycardia Syndrome (POTS) and Related Disorders of Chronic Orthostatic Intolerance. <i>Canadian Journal of Cardiology.</i> 2020;36(3):357-72. Available from: https://doi.org/10.1016/j.cjca.2019.12.024 .	Wrong study design
Ross AJ, Ocon AJ, Medow MS, Stewart JM. A double-blind placebo-controlled cross-over study of the vascular effects of midodrine in neuropathic compared with hyperadrenergic postural tachycardia syndrome. <i>Clin Sci (Colch).</i> 2014;126(4):289-96. Available from: https://doi.org/10.1042/CS20130222 .	Wrong outcomes
Tahir F, Bin Arif T, Majid Z, Ahmed J, Khalid M. Ivabradine in Postural Orthostatic Tachycardia Syndrome: A Review of the Literature. <i>Cureus.</i> 2020;12(4):e7868. Available from: https://doi.org/10.7759/cureus.7868 .	Wrong study design
Wheatley-Guy CM, Shea MG, Parks JK, Scales R, Goodman BP, Johnson BD. Semi-supervised exercise training program more efficacious for	Only abstract

individuals with postural orthostatic tachycardia syndrome. *Clinical autonomic research*. 2022;32(5):379. Available from: <https://doi.org/10.1007/s10286-022-00892-z>.

Studies with high risk of bias

Deng X, Zhang Y, Liao Y, Du J. Efficacy of beta-Blockers on Postural Tachycardia Syndrome in Children and Adolescents: A Systematic Review and Meta-Analysis. *Front*. 2019;7:460. Available from: <https://doi.org/10.3389/fped.2019.00460>.

Hasan B, Almasri J, Marwa B, Klaas KM, Fischer PR. Treatment of Postural Orthostatic Tachycardia Syndrome With Medication: A Systematic Review. *J Child Neurol*. 2020;35(14):1004-16. Available from: <https://doi.org/10.1177/0883073820948679>.

Vasavada AM, Verma D, Sheggari V, Ghetiya S, Chirumamilla PC, Kotak RA, et al. Choices and Challenges With Drug Therapy in Postural Orthostatic Tachycardia Syndrome: A Systematic Review. *Cureus*. 2023;15(5):e38887. Available from: <https://doi.org/10.7759/cureus.38887>.

Wells R, Elliott AD, Mahajan R, Page A, Iodice V, Sanders P, Lau DH. Efficacy of Therapies for Postural Tachycardia Syndrome: A Systematic Review and Meta-analysis. *Mayo Clin Proc*. 2018;93(8):1043-53. Available from: <https://doi.org/10.1016/j.mayocp.2018.01.025>.