

DAFTAR PUSTAKA

- Abbade, L. P. F., Lastória, S., & de Almeida Rollo, H. (2011). Venous ulcer: Clinical characteristics and risk factors. *International Journal of Dermatology*, 50(4), 405–411. <https://doi.org/10.1111/j.1365-4632.2010.04654.x>
- Akgül, E. A., Karakaya, J., & Aydın, S. (2014). Role of Comorbidities as Limiting Factors to the Effect of Hyperbaric Oxygen in Diabetic Foot Patients: A Retrospective Analysis. *Diabetes Therapy*, 5(2), 535–544. <https://doi.org/10.1007/s13300-014-0085-8>
- Baiula, M., Greco, R., Ferrazzano, L., Caligiana, A., Hoxha, K., Bandini, D., Longobardi, P., Spampinato, S., & Tolomelli, A. (2020). Integrin-mediated adhesive properties of neutrophils are reduced by hyperbaric oxygen therapy in patients with chronic non-healing wound. *PLoS ONE*, 15(8 August), 1–22. <https://doi.org/10.1371/journal.pone.0237746>
- Batenburg, M. C. T., Maarse, W., van der Leij, F., Baas, I. O., Boonstra, O., Lansdorp, N., Doeksen, A., van den Bongard, D. H. J. G., & Verkooijen, H. M. (2021). The impact of hyperbaric oxygen therapy on late radiation toxicity and quality of life in breast cancer patients. *Breast Cancer Research and Treatment*, 189(2), 425–433. <https://doi.org/10.1007/s10549-021-06332-2>
- Bellingeri, A., Falciani, F., Trapedini, P., Moscatelli, A., Russo, A., Tino, G., Chiari, P., & Peghetti, A. (2016). Effect of a wound cleansing solution on wound bed preparation and inflammation in chronic wounds: A single-blind RCT. *Journal of Wound Care*, 25(3), 160–168. <https://doi.org/10.12968/jowc.2016.25.3.160>
- Biney, I., Dudney, T., Goldman, M., Carder, L., & Schriver, E. (2020). Successful Use of Hyperbaric Oxygen as Adjunctive Therapy for a Nonhealing Venous Ulcer in a Patient with Systemic Sclerosis and Pulmonary Arterial Hypertension: A Case Report and Review of the Literature. *Case Reports in Pulmonology*, 2020, 4–7. <https://doi.org/10.1155/2020/4750375>

- Brouwer, R. J., Laliou, R. C., Hoencamp, R., van Hulst, R. A., & Ubbink, D. T. (2020). A systematic review and meta-analysis of hyperbaric oxygen therapy for diabetic foot ulcers with arterial insufficiency. *Journal of Vascular Surgery*, *71*(2), 682-692.e1. <https://doi.org/10.1016/j.jvs.2019.07.082>
- CASP-UK. (2018). CASP Randomised Controlled Trial Checklist. *CASP Checklists Randomised Controlled Trial*, *2018*, 1–7.
- Chen, C. E., Shih, S. T., Fu, T. H., Wang, J. W., & Wang, C. J. (2003). Hyperbaric oxygen therapy in the treatment of chronic refractory osteomyelitis: A preliminary report. *Chang Gung Medical Journal*, *26*(2), 114–121.
- Chen, H., Cai, C., Xie, J., & Yan, L. J. (2020). The effect of an intensive patients' education program on anxiety, depression and patient global assessment in diabetic foot ulcer patients with Wagner grade 1/2: A randomized, controlled study. *Medicine (United States)*, *99*(6). <https://doi.org/10.1097/MD.00000000000018480>
- Cho, I., Lee, H. M., Choi, S. W., Kong, S. K., Lee, I. W., Goh, E. K., & Oh, S. J. (2018). Comparison of two different treatment protocols using systemic and intratympanic steroids with and without hyperbaric oxygen therapy in patients with severe to profound idiopathic sudden sensorineural hearing loss: A randomized controlled trial. *Audiology and Neurotology*, *23*(4), 199–207. <https://doi.org/10.1159/000493558>
- Clarke, R., & Hussey, J. R. (2018). Hyperbaric oxygen therapy in the treatment of ischemic lower extremity ulcers in patients with diabetes: Results of the DAMO2CLES multicenter randomized clinical trial. *Undersea and Hyperbaric Medicine*, *45*(1), 114–115. <https://doi.org/10.22462/01.02.2018.18>
- Critical Appraisal Skills Programme (CASP). (2018). CASP Checklist: Cohort Study. *Casp Uk*, *2018*, 7. https://casp-uk.net/wp-content/uploads/2018/03/CASP-Cohort-Study-Checklist-2018_fillable_form.pdf

- Dauwe, P. B., Pulikkottil, B. J., Lavery, L., Stuzin, J. M., & Rohrich, R. J. (2014). Does hyperbaric oxygen therapy work in facilitating acute wound healing: A systematic review. *Plastic and Reconstructive Surgery*, *133*(2), 208–215. <https://doi.org/10.1097/01.prs.0000436849.79161.a4>
- Dinker R Pai, S. S. (2013). Diabetic Foot Ulcer – Diagnosis and Management. *Clinical Research on Foot & Ankle*, *01*(03), 1–9. <https://doi.org/10.4172/2329-910x.1000120>
- Dougherty, J. E. (2013). The role of hyperbaric oxygen therapy in crush injuries. *Critical Care Nursing Quarterly*, *36*(3), 299–309. <https://doi.org/10.1097/CNQ.0b013e318294ea41>
- Fadol, E. M., Suliman, H. M., Osman, B., Abdalla, S. A., Osman, W. J. A., Mohamed, E. M., & Abdoon, I. H. (2021). Therapeutic outcomes evaluation of adjuvant hyperbaric oxygen therapy for non-healing diabetic foot ulcers among sudanese patients. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, *15*(4), 102173. <https://doi.org/10.1016/j.dsx.2021.06.010>
- Fitzmaurice, C., Dicker, D., Pain, A., Hamavid, H., Moradi-Lakeh, M., MacIntyre, M. F., Allen, C., Hansen, G., Woodbrook, R., Wolfe, C., Hamadeh, R. R., Moore, A., Werdecker, A., Gessner, B. D., Te Ao, B., McMahon, B., Karimkhani, C., Yu, C., Cooke, G. S., ... Naghavi, M. (2015). The Global Burden of Cancer 2013. *JAMA Oncology*, *1*(4), 505–527. <https://doi.org/10.1001/jamaoncol.2015.0735>
- Fitzpatrick, E., Holland, O. J., & Vanderlelie, J. J. (2018). Ozone therapy for the treatment of chronic wounds: A systematic review. *International Wound Journal*, *15*(4), 633–644. <https://doi.org/10.1111/iwj.12907>
- Frykberg, R. G., & Banks, J. (2015). Challenges in the Treatment of Chronic Wounds. *Advances in Wound Care*, *4*(9), 560–582. <https://doi.org/10.1089/wound.2015.0635>
- Generaal, J. D., Lansdorp, C. A., Boonstra, O., van Leeuwen, B. L., Vanhauten, H. A. M., Stevenson, M. G., & Been, L. B. (2020). Hyperbaric oxygen

- therapy for radiation-induced tissue injury following sarcoma treatment: A retrospective analysis of a Dutch cohort. *PLoS ONE*, *15*(6), 1–11.
<https://doi.org/10.1371/journal.pone.0234419>
- Gill, A. L., & Bell, C. N. A. (2004). Hyperbaric oxygen: Its uses, mechanisms of action and outcomes. *QJM - Monthly Journal of the Association of Physicians*, *97*(7), 385–395. <https://doi.org/10.1093/qjmed/hch074>
- Glatz, A. C., Shah, S. S., McCarthy, A. L., Geisser, D., Daniels, K., Xie, D., Hanna, B. D., Grundmeier, R. W., Gillespie, M. J., & Rome, J. J. (2013). Prevalence of and risk factors for acute occlusive arterial injury following pediatric cardiac catheterization: A large single-center cohort study. *Catheterization and Cardiovascular Interventions*, *82*(3), 454–462.
<https://doi.org/10.1002/ccd.24737>
- Gretl Lam, B., Rocky Fontaine, C., Ernest S. Chiu, M., & Frank L. Ross, M. (2012). *Hyperbaaric Oxygen Therapy: Exploring the Clinical Evidence*. *25*(1), 38–44.
- Hajhosseini, B., Kuehlmann, B. A., Bonham, C. A., Kamperman, K. J., & Gurtner, G. C. (2020). Hyperbaric oxygen therapy: Descriptive review of the technology and current application in chronic wounds. *Plastic and Reconstructive Surgery - Global Open*, 1–8.
<https://doi.org/10.1097/GOX.0000000000003136>
- Hajhosseini, B., Longaker, M. T., & Gurtner, G. C. (2020). Pressure Injury. *Annals of Surgery*, *271*(4), 671–679.
<https://doi.org/10.1097/SLA.0000000000003567>
- Hasan, B., Yim, Y., Ur Rashid, M., Khalid, R. A., Sarvepalli, D., Castaneda, D., Ur Rahman, A., Palekar, N., Charles, R., Castro, F. J., & Shen, B. (2021). Hyperbaric Oxygen Therapy in Chronic Inflammatory Conditions of the Pouch. *Inflammatory Bowel Diseases*, *27*(7), 965–970.
<https://doi.org/10.1093/ibd/izaa245>
- Higgins, J. P. T., Thomas, J., Chandler, J., Cumpston, M., Li, T., Page, M. J., & Welch, V. A. (2019). Cochrane Handbook for Systematic Reviews of Interventions. In *Cochrane Handbook for Systematic Reviews of*

Interventions. <https://doi.org/10.1002/9781119536604>

Hoversten, K. P., Kiemele, L. J., Stolp, A. M., Takahashi, P. Y., & Verdoorn, B. P. (2020). Prevention, Diagnosis, and Management of Chronic Wounds in Older Adults. *Mayo Clinic Proceedings*, 95(9), 2021–2034.

<https://doi.org/10.1016/j.mayocp.2019.10.014>

Johnston, B. R., Ha, A. Y., Brea, B., & Liu, P. Y. (2016). The Mechanism of Hyperbaric Oxygen Therapy in the Treatment of Chronic Wounds and Diabetic Foot Ulcers. *Rhode Island Medical Journal* (2013), 99(2), 26–29.

Kaur, S., Pawar, M., Banerjee, N., & Garg, R. (2012). Evaluation of the efficacy of hyperbaric oxygen therapy in the management of chronic nonhealing ulcer and role of periwound transcutaneous oximetry as a predictor of wound healing response: A randomized prospective controlled trial. *Journal of Anaesthesiology Clinical Pharmacology*, 28(1), 70–75.

<https://doi.org/10.4103/0970-9185.92444>

Kawashima, M., Tamura, H., Nagayoshi, I., Takao, K., Yoshida, K., & Yamaguchi, T. (2004). HBO 2 in orthopedic conditions. *Undersea and Hyperbaric Medicine Journal*, 31(1), 155–162.

Kranke, P., Bennett, M. H., Martyn-St James, M., Schnabel, A., Debus, S. E., & Weibel, S. (2015). Hyperbaric oxygen therapy for chronic wounds. *Cochrane Database of Systematic Reviews*, 2015(6).

<https://doi.org/10.1002/14651858.CD004123.pub4>

Lame, G. (2019). Systematic literature reviews: An introduction. *Proceedings of the International Conference on Engineering Design, ICED, 2019-Augus*, 1633–1642. <https://doi.org/10.1017/dsi.2019.169>

Las Heras, K., Igartua, M., Santos-Vizcaino, E., & Hernandez, R. M. (2020). Chronic wounds: Current status, available strategies and emerging therapeutic solutions. *Journal of Controlled Release*, 328(September), 532–550. <https://doi.org/10.1016/j.jconrel.2020.09.039>

Lazarus, G., Valle, M. F., Malas, M., Qazi, U., Maruthur, N. M., Doggett, D., Fawole, O. A., Bass, E. B., & Zenilman, J. (2014). Chronic venous leg ulcer treatment: Future research needs. *Wound Repair and Regeneration*, 22(1),

34–42. <https://doi.org/10.1111/wrr.12102>

Liberati, A., Altman, D. G., Tetzlaff, J., Mulrow, C., Gøtzsche, P. C., Ioannidis, J. P. A., Clarke, M., Devereaux, P. J., Kleijnen, J., & Moher, D. (2009). The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate healthcare interventions: explanation and elaboration. *BMJ (Clinical Research Ed.)*, 339. <https://doi.org/10.1136/bmj.b2700>

Liu, R., Li, L., Yang, M., Boden, G., & Yang, G. (2013). Systematic review of the effectiveness of hyperbaric oxygenation therapy in the management of chronic diabetic foot ulcers. *Mayo Clinic Proceedings*, 88(2), 166–175. <https://doi.org/10.1016/j.mayocp.2012.10.021>

Löndahl, M., Landin-Olsson, M., & Katzman, P. (2011). Hyperbaric oxygen therapy improves health-related quality of life in patients with diabetes and chronic foot ulcer. *Diabetic Medicine*, 28(2), 186–190. <https://doi.org/10.1111/j.1464-5491.2010.03185.x>

Mahmoudi, M., & Gould, L. (2020). <p>Opportunities and Challenges of the Management of Chronic Wounds: A Multidisciplinary Viewpoint</p>. *Chronic Wound Care Management and Research, Volume 7*, 27–36. <https://doi.org/10.2147/cwcmr.s260136>

McLennan, S., Yue, D., & Twigg, S. (2006). Molecular Aspects of Wound Healing in Diabetes. *Primary Intention: The Australian Journal of Wound Management*, 14(1).

Meyer, M. (2020). *The Science Journal of the Lander Is Hyperbaric Oxygen Therapy Effective For Treating Autism ? Is Hyperbaric Oxygen Therapy Effective For Treating Autism ?* 13(2).

Miller, R. S., Weaver, L. K., Bahraini, N., Churchill, S., Price, R. C., Skiba, V., Caviness, J., Mooney, S., Hetzell, B., Liu, J., Deru, K., Ricciardi, R., Fracisco, S., Close, N. C., Surrent, G. W., Bartos, C., Ryan, M., Brenner, L. A., Hak, K., ... Lawrence, C. (2015). Effects of hyperbaric oxygen on symptoms and quality of life among service members with persistent postconcussion symptoms: A randomized clinical trial. *JAMA Internal Medicine*, 175(1), 43–52. <https://doi.org/10.1001/jamainternmed.2014.5479>

- Moen, I., & Stuhr, L. E. B. (2012). Hyperbaric oxygen therapy and cancer - A review. *Targeted Oncology*, 7(4), 233–242. <https://doi.org/10.1007/s11523-012-0233-x>
- Moher, D., Liberati, A., Tetzlaff, J., Altman, D. G., Antes, G., Atkins, D., Barbour, V., Barrowman, N., Berlin, J. A., Clark, J., Clarke, M., Cook, D., D'Amico, R., Deeks, J. J., Devereaux, P. J., Dickersin, K., Egger, M., Ernst, E., Gøtzsche, P. C., ... Tugwell, P. (2014). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. *Revista Espanola de Nutricion Humana y Dietetica*, 18(3), 172–181. <https://doi.org/10.14306/renhyd.18.3.114>
- Munn, Z., Aromataris, E., Tufanaru, C., Stern, C., Porritt, K., Farrow, J., Lockwood, C., Stephenson, M., Moola, S., Lizarondo, L., McArthur, A., Peters, M., Pearson, A., & Jordan, Z. (2019). The development of software to support multiple systematic review types: The Joanna Briggs Institute System for the Unified Management, Assessment and Review of Information (JBI SUMARI). *International Journal of Evidence-Based Healthcare*, 17(1), 36–43. <https://doi.org/10.1097/XEB.0000000000000152>
- Munn, Z., Peters, M., Stern, C., Tufanaru, C., McArthur, A., & Aromataris, E. (2018). *Systematic review or scoping review? Guidance for authors when choosing between a systematic or scoping review approach*. 143.
- Murad, M. H., Altayar, O., Bennett, M., Wei, J. C., Claus, P. L., Asi, N., Prokop, L. J., Montori, V. M., & Guyatt, G. H. (2014). Using GRADE for evaluating the quality of evidence in hyperbaric oxygen therapy clarifies evidence limitations. *Journal of Clinical Epidemiology*, 67(1), 65–72. <https://doi.org/10.1016/j.jclinepi.2013.08.004>
- Öztürk, F., Türel Ermertcan, A., & Inanir, I. (2013). Hyperbaric oxygen therapy for the management of chronic wounds. *Cutaneous and Ocular Toxicology*, 32(1), 72–77. <https://doi.org/10.3109/15569527.2012.705407>
- Porritt, K., Gomersall, J., & Lockwood, C. (2014). JBI's systematic reviews: Study selection and critical appraisal. *American Journal of Nursing*, 114(6),

- 47–52. <https://doi.org/10.1097/01.NAJ.0000450430.97383.64>
- Powers, J. G., Higham, C., Broussard, K., & Phillips, T. J. (2016). Wound healing and treating wounds Chronic wound care and management. *Journal of the American Academy of Dermatology*, *74*(4), 607–625.
<https://doi.org/10.1016/j.jaad.2015.08.070>
- Probst, S., Weller, C. D., Bobbink, P., Saini, C., Pugliese, M., Skinner, M. B., & Gethin, G. (2021). Prevalence and incidence of venous leg ulcers—a protocol for a systematic review. *Systematic Reviews*, *10*(1), 1–4.
<https://doi.org/10.1186/s13643-021-01697-3>
- Prompers, L., Huijberts, M., Apelqvist, J., Jude, E., Piaggese, A., Bakker, K., Edmonds, M., Holstein, P., Jirkovska, A., Mauricio, D., Ragnarson Tennvall, G., Reike, H., Spraul, M., Uccioli, L., Urbancic, V., Van Acker, K., Van Baal, J., Van Merode, F., & Schaper, N. (2007). High prevalence of ischaemia, infection and serious comorbidity in patients with diabetic foot disease in Europe. Baseline results from the Eurodiale study. *Diabetologia*, *50*(1), 18–25. <https://doi.org/10.1007/s00125-006-0491-1>
- Rahim, K., Saleha, S., Zhu, X., Huo, L., Basit, A., & Franco, O. L. (2017). Bacterial Contribution in Chronicity of Wounds. *Microbial Ecology*, *73*(3), 710–721. <https://doi.org/10.1007/s00248-016-0867-9>
- Ravi, P., Vaishnavi, D., Gnanam, A., & Krishnakumar Raja, V. B. (2017). The role of hyperbaric oxygen therapy in the prevention and management of radiation-induced complications of the head and neck – a systematic review of literature. *Journal of Stomatology, Oral and Maxillofacial Surgery*, *118*(6), 359–362. <https://doi.org/10.1016/j.jormas.2017.07.005>
- Rosyanti, L., Hadi, I., Rahayu, D. Y. S., & Birawida, A. B. (2019). Mekanisme yang Terlibat dalam Terapi Oksigen Hiperbarik: theoritical review hyperbaric oxygen therapy/HBOT. *Health Information : Jurnal Penelitian*, *11*(2), 180–202. <https://doi.org/10.36990/hijp.v11i2.144>
- Rotaru, M., Bereanu, A., & Beckert, Ş T. (2015). *CLINICAL ASPECTS UPDATES ON ADJUVANT TREATMENT OF CHRONIC LEG ULCERS USING OXYGEN THERAPY*. *20*(13), 72–75.

- Sahni, T., & Aggarwal, S. (2012). Use of hyperbaric oxygen therapy in management of orthopedic disorders. *Apollo Medicine*, 9(4), 318–322. <https://doi.org/10.1016/j.apme.2012.08.005>
- Santos, W. M. Dos, Secoli, S. R., & Püschel, V. A. de A. (2018). The Joanna Briggs Institute approach for systematic reviews. *Revista Latino-Americana de Enfermagem*, 26, e3074. <https://doi.org/10.1590/1518-8345.2885.3074>
- Sen, C. K. (2019). Human Wounds and Its Burden: An Updated Compendium of Estimates. *Advances in Wound Care*, 8(2), 39–48. <https://doi.org/10.1089/wound.2019.0946>
- Soh, C. R., Kim, S. J., & Chong, S. J. (2013). Hyperbaric oxygen therapy for chronic diabetic wounds. *Trends in Anaesthesia and Critical Care*, 3(5), 279–282. <https://doi.org/10.1016/j.tacc.2013.02.011>
- Song, Z., Guo, X., & Zhang, X. (2021). Effects of topical oxygen therapy on chronic traumatic wounds and its impact on granulation tissue. *American Journal of Translational Research*, 13(6), 7294–7299.
- Sun, Q., Bao, J., An, Y., Lei, H., & Ma, J. (2017). Hyperbaric oxygen therapy and comprehensive orthopedic treatment for incomplete traumatic spinal cord injury on the qinghai-tibet plateau: Study protocol for an open-label randomized controlled clinical trial. *Asia Pacific Journal of Clinical Trials: Nervous System Diseases*, 2(2), 50. <https://doi.org/10.4103/2542-3932.205194>
- Tahir, A. R. M., Westhuyzen, J., Dass, J., Collins, M. K., Webb, R., Hewitt, S., Fon, P., & Mckay, M. (2015). Hyperbaric oxygen therapy for chronic radiation-induced tissue injuries: Australasia's largest study. *Asia-Pacific Journal of Clinical Oncology*, 11(1), 68–77. <https://doi.org/10.1111/ajco.12289>
- Thackham, J. A., McElwain, D. L. S., & Long, R. J. (2008). The use of hyperbaric oxygen therapy to treat chronic wounds: A review. *Wound Repair and Regeneration*, 16(3), 321–330. <https://doi.org/10.1111/j.1524-475X.2008.00372.x>

- Thistlethwaite, K. R., Finlayson, K. J., Cooper, P. D., Brown, B., Bennett, M. H., Kay, G., O'Reilly, M. T., & Edwards, H. E. (2018). The effectiveness of hyperbaric oxygen therapy for healing chronic venous leg ulcers: A randomised, double blind, placebo-controlled trial. *Wound Repair and Regeneration*, 26(4), 324–331. <https://doi.org/10.1111/wrr.12657>
- Thomas, B. H., Ciliska, D., Dobbins, M., & Micucci, S. (2004). A process for systematically reviewing the literature: Providing the research evidence for public health nursing interventions. *Worldviews on Evidence-Based Nursing*, 1(3), 176–184. <https://doi.org/10.1111/j.1524-475X.2004.04006.x>
- Uberoi, A., Campbell, A., & Grice, E. A. (2020). The wound microbiome. *Wound Healing, Tissue Repair, and Regeneration in Diabetes*, 237–258. <https://doi.org/10.1016/b978-0-12-816413-6.00012-5>
- Wallace, L. A., Gwynne, L., & Jenkins, T. (2019). Challenges and opportunities of pH in chronic wounds. *Therapeutic Delivery*, 10(11), 719–735. <https://doi.org/10.4155/tde-2019-0066>
- Wang, S., Zhang, Q., Huang, W., Tian, H., Hu, J., Cheng, Y., & Peng, Y. (2018). A New Smart Mobile System for Chronic Wound Care Management. *IEEE Access*, 6, 52355–52365. <https://doi.org/10.1109/ACCESS.2018.2864264>
- Wintoko, R., Dwi, A., & Yadika, N. (2020). Manajemen Terkini Perawatan Luka Update Wound Care Management. *JK Unila*, 4, 183–189.
- Zhang, L., Weng, C., Zhao, Z., & Fu, X. (2017). Extracorporeal shock wave therapy for chronic wounds: A systematic review and meta-analysis of randomized controlled trials. *Wound Repair and Regeneration*, 25(4), 697–706. <https://doi.org/10.1111/wrr.12566>
- Zhao, R., Liang, H., Clarke, E., Jackson, C., & Xue, M. (2016). Inflammation in chronic wounds. *International Journal of Molecular Sciences*, 17(12), 1–14. <https://doi.org/10.3390/ijms17122085>

LAMPIRAN

Lampiran 1: Checklist PRISMA 2009

Section/topic	#	Checklist item	Reported on page #
TITLE			
Title	1	Identify the report as a systematic review, meta-analysis, or both.	I
ABSTRACT			
Structured summary	2	Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.	-
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known.	4-6
Objectives	4	Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).	-
METHODS			
Protocol and registration	5	Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.	25, 31
Eligibility criteria	6	Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.	25-26
Information sources	7	Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.	26, 33-34
Search	8	Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.	27-29
Study selection	9	State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).	29
Data collection process	10	Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.	31
Data items	11	List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.	30
Risk of bias in individual studies	12	Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.	31
Summary measures	13	State the principal summary measures (e.g., risk ratio, difference in means).	31

Synthesis of results	14	Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I^2) for each meta-analysis.	31
----------------------	----	---	----

Section/topic	#	Checklist item	Reported on page #
Risk of bias across studies	15	Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).	31
Additional analyses	16	Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.	31
RESULTS			
Study selection	17	Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.	32
Study characteristics	18	For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.	40-42
Risk of bias within studies	19	Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).	34-39
Results of individual studies	20	For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.	43-48
Synthesis of results	21	Present results of each meta-analysis done, including confidence intervals and measures of consistency.	43-48, 59-60
Risk of bias across studies	22	Present results of any assessment of risk of bias across studies (see Item 15).	50
Additional analysis	23	Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).	-
DISCUSSION			
Summary of evidence	24	Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).	61-65
Limitations	25	Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).	63-66
Conclusions	26	Provide a general interpretation of the results in the context of other evidence, and implications for future research.	65
FUNDING			
Funding	27	Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.	-

Sumber : Moher, D., Liberati, A., Tetzlaff, J., Altman, D. G., Altman, D., Antes, G., Atkins, D., Barbour, V., Barrowman, N., Berlin, J. A., Clark, J., Clarke, M., Cook, D., D'Amico, R., Deeks, J. J., Devereaux, P. J., Dickersin, K., Egger, M., Ernst, E., ... Tugwell, P. (2009). Preferred reporting items for systematic reviews and meta-analyses: The PRISMA statement. *PLoS Medicine*, 6(7). <https://doi.org/10.1371/journal.pmed.1000097>

Lampiran 2 : Pencarian Database

The screenshot shows the PubMed website search results. The search query is: `((Chronic wounds*[Title/Abstract] OR Diabetic Foot Ulcer*[Title/Abstract] OR Venous+Ulcer*[Title/Abstract]) AND (Diabetic+Foot+Ulcer*[Title/Abstract] OR Venous+Ulcer*[Title/Abstract]))`. The results are sorted by 'Best match' and show 54 results. The first result is 'Interventions for managing medication-related osteonecrosis of the jaw' by Beth-Tasdogan NH, Mayer B, Hussein H, Zolk O, published in the Cochrane Database Syst Rev. The second result is 'Hyperbaric oxygen potentiates diabetic wound healing by promoting fibroblast cell proliferation and endothelial cell angiogenesis' by Huang X, Liang P, Jiang B, Zhang P, Yu W, Duan M, Guo L, Cui X, Huang M, Huang X, published in Life Sci.

The screenshot shows the ScienceDirect website search results. The search query is: `Chronic wounds AND Hyperbaric Oxygen Therapy AND Negative Effect&pub=jour...`. The results are sorted by 'relevance | date' and show 576 results. The first result is 'Associations between nurse education and experience and the risk of mortality and adverse events in acute care hospitals: A systematic review of observational studies' by Li-Anne Audet, Patricia Bourgault, Christian M. Rochefort, published in the International Journal of Nursing Studies. The second result is 'Fewer adverse events as a result of the SAFE or SORRY? programme in hospitals and nursing homes. Part I: Primary outcome of a cluster randomised trial' by Betsie G. I. van Gaal, Lisette Schoonhoven, ... Theo van Achterberg, published in the International Journal of Nursing Studies.

← → C cochranelibrary.com/advanced-search

Cochrane Reviews 0 | Cochrane Protocols 0 | **Trials 101** | Editorials 0 | Special Collections 0 | Clinical Answers 0 | More

Filter your results

Year i

Year first published

2021

2020

2019

2018

2017

Custom Range:

2011 to 2021

Apply Clear

Date i

Date added to CENTRAL trials database

The last 3 months 1

⚠ For COVID-19 related studies, please also see the [Cochrane COVID-19 Study Register](#)

Year: Custom year range

65 Trials matching Chronic wounds OR Diabetic Foot Ulcer OR Venous Ulcer OR Pressure Ulcer OR Arterial Ulcer OR Cancer OR Fungating Wound OR Malignant Wound in Title Abstract Keyword AND Hyperbaric Oxygen Therapy OR hyperbaric oxygen chamber OR hyperbaric oxygenations OR hyperbaric oxygen treatment in Title Abstract Keyword AND Negative Effects OR Side Effects OR Adverse Effect OR Complications in Title Abstract Keyword - in Trials (Word variations have been searched)

Cochrane Central Register of Controlled Trials
Issue 9 of 12, September 2021

⚠ Authenticate to get access to full CENTRAL content [Unlock the potential of Cochrane Evidence](#)

Order by Relevancy Results per page 25

1 **Adjunctive Hyperbaric Oxygen Therapy (HBOT) for Lower Extermity Diabetic Ulcer**
NCT03675269
<https://clinicaltrials.gov/show/NCT03675269> | added to CENTRAL: 31 January 2019 | 2019 Issue 1 | CT.gov

Activate Windows

Google Ter x | Sci-Hub: r x | (Chronic v x | ScienceDir x | Advanced x | e-resource x | Result List: x | PQ Search Re: x | Advanced x | +

← → C e-resources.perpusnas.go.id:2403/ehost/resultsadvanced?vid=10&sid=c2a9a16e-4a34-4755-abc6-993c70a8e8e6%40sessionmgr102&bquery=TX+(+Chronic+wounds+OR+... ☆

EBSCOhost

Chronic wounds OR Diabetic Foot Ulcer OR Venous Ulcer O TX All Text Search

AND Hyperbaric Oxygen Therapy OR hyperbaric oxygen cf TX All Text Clear ?

AND Negative Effects OR Side Effects OR Adverse Effect C TX All Text + -

Basic Search Advanced Search Search History

Refine Results

Current Search

Find all my search terms:

TX (Chronic wounds OR Diabetic Foot Ulcer OR Venous Ulcer OR Pre...

Expanders

Apply equivalent subjects

Limiters

Published Date: 20110101-20211231

Source Types

Journals

Language

english

Search Results: 1 - 20 of 250

1. **Hyperbaric oxygenation in prevention of amputations of diabetic foot.**

Academic Journal

Hiperbarična oksigenacija u prevenciji amputacija dijabetičkog stopala. By: Stefanović, Zvezdan; Donfrid, Branislav; Jovanović, Tomislav; Zorić, Zoran; Radojević-Popović, Radmila; Zoranić, Uroš. Vojnosanitetski Pregled: Military Medical & Pharmaceutical Journal of Serbia. Apr2020, Vol. 77 Issue 4, p363-372. 10p. DOI: 10.2298/VSP180220081S. Database: Military & Government Collection

Background/Aim: **Diabetic foot** is the term for the pathological changes on foot in patients with diabetes. It is caused by **diabetic** angiopathy, polyneuropathy and osteoarthropathy. The **treatment** I...

Subjects: BELGRADE (Serbia); **DIABETIC foot**; **HYPERBARIC oxygenation**; **FOOT** amputation; **FOOT ulcers**; **FOOT** diseases; **LEG** amputation; **DIABETICS**

PDF Full Text (1.7MB)

2. **Hyperbaric oxygen therapy for the management of chronic wounds.**

By: Öztürk, Ferdi; Türel Emertcan, Aylin; Inanir, Isil. Cutaneous & Ocular Toxicology, Mar2013, Vol. 32 Issue 1, p72-77. 6p.

United States World Care ... (Business Wire (English), 341 days ago)

United States World Care ... (Business Wire (English), 167 days ago)

Insights on the Worldwide... (Business Wire (English), 390 days ago)

Activate Windows
Go to Settings to activate Windows.

Google Ter x Sci-Hub: re x ((Chronic v x E ScienceDir x Advanced x e-resourc: x) Result List: x PQ Search Re: x Advanced x +

e-resources.perpusnas.go.id/2116/results/EC636DCAFD404E77PQ/1?accountid=25704

Perpustakaan Nasional RI

ProQuest

Basic Search Advanced Search Publications Browse Databases (6)

(Chronic wounds) AND (Hyperbaric Oxygen Therapy) AND (Adverse Effects)

Additional limits - Source type: Scholarly Journals; Language: English

317 results

Modify search Recent searches Save search/alert

Applied filters

2011-01-01 - 2021-09-17

Show results outside my library's subscription.



Sorted by

Relevance

Limit to



Full text

Select 1-20

1  **The Role of Duration of Hyperbaric Oxygen Therapy on Lung Injury: An Experimental Study Lung Injury and Hyperbaric Oxygen Therapy** Full Text 

Oruç, Menduh; Esen, Bennur; Maşuk Taylan; Yusuf Nergis; Şahin, Atalay.
Türk Toraks Dergisi: Turkish Thoracic Journal, Ankara Vol. 19, Iss. 2, (Apr 2018): 61-65.
...effect of hyperbaric oxygen (HBO) therapy in the lung tissue. MATERIAL AND...
...of duration of hyperbaric oxygen therapy on lung injury: An experimental study...
...and hyperbaric oxygen therapy. Turk Thorac J 2018; 19: 61-5. ...

Abstract/Details Full text - PDF (233 kB) Show Abstract

2  **Safety and efficacy of hyperbaric oxygen therapy in chronic wound management: current evidence** Full Text 

Eggleton, Paul; Bishop, Alexandra J; Smerdon, Gary R.

Lampiran 3 : Izin etik penelitian



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, & INOVASI
UNIVERSITAS HASANUDDIN
FAKULTAS KEPERAWATAN
PROGRAM STUDI MAGISTER ILMU KEPERAWATAN
Jalan Perintis Kemerdekaan Km.10 Makassar 90245
Laman: keperawatan@unhas.ac.id

Nomor : 5902/UN4.18.8/TP.02.02/2021
Lamp : 1 (satu) berkas
Hal : *Rekomendasi Etik.*

08 Oktober 2021

Yth. Ketua Komisi Etik Penelitian
STIKES Nani Hasanuddin
di-
Tempat

Sehubungan dengan rencana penelitian yang akan dilaksanakan oleh:

Nama Peneliti : **Heni Selvia, S.Kep.,Ns.**
Program Studi/Institusi : **Program Magister Ilmu Keperawatan
Fakultas Keperawatan Universitas Hasanuddin**

Judul : **Identifikasi Efek Terapi Oksigen Hiperbarik pada
Luka Kronik**

Pembimbing I : **Dr. Yuliana Syam, S.Kep.,Ns.,M.Si.**
Pembimbing II : **Saldy Yusuf, S.Kep.,Ns.,MHS.,Ph.D.,ETN**

Maka bersama ini kami mengajukan permohonan persetujuan etik sebagai salah satu syarat penelitian tersebut bisa dilakukan.

Demikian kami sampaikan, atas perhatiannya kami ucapkan terima kasih.



Ketua Program Studi,

Dr. Elly L. Sjattar, S.Kp.,M.Kes.
NIP. 19740422 199903 2 002

Tembusan:
1. Kepala Tata Usaha FKep.Unhas
2. Arsip



