

Použitá literatura

- (1) Breitbart W, et al. *Psycho-Oncology*. Oxford: Oxford Academic, 2021.
- (2) Vokurka, S, Tesařová, P et al. *Onkologie v kostce*. Praha: Current Media, 2018.
- (3) Klener P. *Základy klinické onkologie*. Praha: Galén, 2011.
- (4) Büchler T, et al. *Klinická onkologie*. Praha: Maxdorf Jessenius, 2023.
- (5) Sledge GW, Jr. Curing metastatic breast cancer. *Journal of Oncology Practice*. 2016;12(1):6–10. <https://doi.org/10.1200/JOP.2015.008953>.
- (6) W., Johnson, T., Krishnamurthi, S., Moravek, C., O'Reilly, E. M., Philip, P. A., Pant, S., Shah, M. A., Sahai, V., Uronis, H. E., Zaidi, N., & Laheru, D. (2020). Metastatic Pancreatic Cancer: ASCO Guideline Update. *Journal of Clinical Oncology*. 38(27), 3217–3230. <https://doi.org/10.1200/JCO.20.0136>.
- (7) Cvek, J, Halámková, M et al. *Onkologie pro neonkology*. Praha: Grada, 2023.
- (8) Zhao R, Liu H, Gao J. Side effects of endocrine therapy are associated with depression and anxiety in breast cancer patients accepting endocrine therapy: a cross-sectional study in China. *Frontiers in Psychology*. 2022;13:905459. <https://doi.org/10.3389/fpsyg.2022.905459>.
- (9) Wreyford L, Gururajan R, Zhou X. When can cancer patient treatment nonadherence be considered intentional or unintentional? A scoping review. *PloS One*. 2023;18(5):e0282180. <https://doi.org/10.1371/journal.pone.0282180>.
- (10) Aizer AA, Chen MH, McCarthy EP, et al. Marital status and survival in patients with cancer. *Journal of Clinical Oncology*. 2013;31(31):3869–3876. <https://doi.org/10.1200/JCO.2013.49.6489>.
- (11) Lutgendorf SK, Johnsen EL, Cooper B, et al. Vascular endothelial growth factor and social support in patients with ovarian carcinoma. *Cancer*. 2002;95(4):808–815. <https://doi.org/10.1002/cncr.10739>.
- (12) Costanzo ES, Lutgendorf SK, Sood AK, et al. Psychosocial factors and interleukin-6 among women with advanced ovarian cancer. *Cancer*. 2005;104(2):305–313. <https://doi.org/10.1002/cncr.21147>.
- (13) Nausheen B, Carr NJ, Peveler RC, et al. Relationship between loneliness and proangiogenic cytokines in newly diagnosed tumors of colon and rectum. *Psychosomatic Medicine*. 2010;72(9):912–916. <https://doi.org/10.1097/PSY.0b013e3181f0bc1c>.
- (14) Jaremka LM, Fagundes CP, Peng J, et al. Loneliness promotes inflammation during acute stress. *Psychological Science*. 2013;24(7):1089–1097. <https://doi.org/10.1177/0956797612464059>.
- (15) Wadhwa D, Burman D, Swami N, et al. Quality of life and mental health in caregivers of outpatients with advanced cancer. *Psycho-Oncology*. 2013;22(2):403–410. <https://doi.org/10.1002/pon.2104>.
- (16) Kalvodová L, Škrobánková A, et al. *Rakovina v rodině v otázkách a odpovědích blízkým*. Praha: Klika, 2019.

- (17) Shattuck EC, Muehlenbein MP. Towards an integrative picture of human sickness behavior. *Brain, Behavior, and Immunity*. 2016;57:255–262. <https://doi.org/10.1016/j.bbi.2016.05.002>.
- (18) Dantzer R, Kelley KW. Twenty years of research on cytokine-induced sickness behavior. *Brain, Behavior, and Immunity*. 2007;21(2):153–160. <https://doi.org/10.1016/j.bbi.2006.09.006>.
- (19) Tobias K, Rosenfeld B, Pessin H, Breitbart W. Measuring sickness behavior in the context of pancreatic cancer. *Medical Hypotheses*. 2015;84(3), 231–237. <https://doi.org/10.1016/j.mehy.2015.01.002>.
- (20) Kübler-Ross E. *O smrti a umírání*. Praha: Portál, 2015.
- (21) Svoboda, M., Halámková, J. et al. *Péče o pacienty po ukončení kurativní onkologické léčby*. Praha: Grada, 2023.
- (22) Anazodo A, Ataman-Millhouse L, Jayasinghe Y, Woodruff TK. Oncofertility – an emerging discipline rather than a special consideration. *Pediatric Blood & Cancer*. 2018;65(11):e27297. <https://doi.org/10.1002/pbc.27297>.
- (23) Di Mattei VE, Taranto P, Perego G, et al. Identification of psychological profiles of cancer patients undergoing fertility preservation counseling. *Journal of Clinical Medicine*. 2023;12(12):4011. <https://doi.org/10.3390/jcm12124011>.
- (24) Chvetzoff G, Tannock IF. Placebo effects in oncology. *Journal of the National Cancer Institute*. 2003;95(1):19–29. <https://doi.org/10.1093/jnci/95.1.19>.
- (25) Hillen MA, Onderwater AT, van Zwieten MC, et al. Disentangling cancer patients' trust in their oncologist: a qualitative study. *Psycho-Oncology*. 2012;21(4):392–399. <https://doi.org/10.1002/pon.1910>.
- (26) Constanze E, Uwe G, Christoph T, et al. The role of trust in the acceptance of adjuvant endocrine therapy in breast cancer patients. *Psycho-Oncology*. 2022;31(12):2122–2131. <https://doi.org/10.1002/pon.6049>.
- (27) Horneber M, Bueschel G, Dennert G, et al. How many cancer patients use complementary and alternative medicine: a systematic review and metaanalysis. *Integrative Cancer Therapies*. 2012;11(3):187–203. <https://doi.org/10.1177/1534735411423920>.
- (28) Lyman GH, Greenlee H, Bohlke K, et al. Integrative therapies during and after breast cancer treatment: ASCO endorsement of the SIO clinical practice guideline. *Journal of Clinical Oncology*. 2018;36(25):2647–2655. <https://doi.org/10.1200/JCO.2018.79.2721>.
- (29) Pescechera I, Garofalo E, Girardi D. L'esperienza dell'attesa in Day Hospital Oncologico Ematologico: indagine qualitativa ai pazienti in cura [The waiting room experience in an Oncology-Hematology Day Hospital: a qualitative investigation]. *Professioni Infermieristiche*. 2020;73(4):244–249. <https://doi.org/10.7429/pi.2020.734244>.
- (30) Lacourt TE, Heijnen CJ. Mechanisms of neurotoxic symptoms as a result of breast cancer and its treatment: considerations on the contribution of stress, inflammation, and cellular bioenergetics. *Current Breast Cancer Reports*. 2017;9(2):70–81. <https://doi.org/10.1007/s12609-017-0245-8>.
- (31) Whittaker AL, George RP, O'Malley L. Prevalence of cognitive impairment following chemotherapy treatment for breast cancer: a systematic review and meta-analysis. *Scientific Reports*. 2022;12(1):2135. <https://doi.org/10.1038/s41598-022-05682-1>.

- (32) Lehmann V, Tuinman MA. Body image issues across cancer types. In Fingeret MC, Teo I (Eds.). *Body image care for cancer patients: principles and practices* (pp. 81–104). Oxford: Oxford University Press, 2018.
- (33) Obispo B, Cruz-Castellanos P, Hernandez R, et al. Perceived dignity of advanced cancer patients and its relationship to sociodemographic, clinical, and psychological factors. *Frontiers in Psychology*. 2022;13:855704. <https://doi.org/10.3389/fpsyg.2022.855704>.
- (34) Avestan Z, Pakpour V, Rahmani A, Mohammadian R, Soheili A. The correlation between respecting the dignity of cancer patients and the quality of nurse-patient communication. *Indian Journal of Palliative Care*. 2019;25(2):190–196. https://doi.org/10.4103/IJPC.IJPC_46_18.
- (35) Simard S, Thewes B, Humphris G, et al. Fear of cancer recurrence in adult cancer survivors: a systematic review of quantitative studies. *Journal of Cancer Survivorship: Research and Practice*. 2013;7(3):300–322. <https://doi.org/10.1007/s11764-013-0272-z>.
- (36) Carey CL, Harris LM. The origins of blood-injection fear/phobia in cancer patients undergoing intravenous chemotherapy. *Behaviour Change*. 2005;22(4):212–219. <https://doi.org/10.1375/bech.22.4.212>
- (37) Vardhan V, Goyal C, Chaudhari J, et al. Effect of dance movement therapy on cancer-related fatigue in breast cancer patients undergoing radiation therapy: a pre-post intervention study. *Cureus*. 2022;14(1):e21040. <https://doi.org/10.7759/cureus.21040>.
- (38) Demoor-Goldschmidt C, de Vathaire F. Review of risk factors of secondary cancers among cancer survivors. *The British Journal of Radiology*. 2019;92(1093):20180390. <https://doi.org/10.1259/bjr.20180390>.
- (39) Flintoft L. Recurrence. *Nature Reviews Cancer*. 2003;3:718. <https://doi.org/10.1038/nrc1199>.
- (40) Pospíchal M, Václavík S, Macková I. *Touha žít*. Praha: Aliance žen s rakovinou prsu, 2021.
- (41) Spencer RJ, Ray A, Pirl WF, Prigerson HG. Clinical correlates of suicidal thoughts in patients with advanced cancer. *The American Journal of Geriatric Psychiatry*. 2012;20(4):327–336. <https://doi.org/10.1097/JGP.0b013e318233171a>.
- (42) Breitbart W, Rosenfeld B, Pessin H, et al. Depression, hopelessness, and desire for hastened death in terminally ill patients with cancer. *JAMA*. 2000;284(22):2907–2911. <https://doi.org/10.1001/jama.284.22.2907>.
- (43) Pospíchal M, Václavík S, Macková I, Kouba M. *Touha odejít?* Praha: Aliance žen s rakovinou prsu, 2022.
- (44) Sullivan DR, Chan B, Lapidus JA, et al. Association of early palliative care use with survival and place of death among patients with advanced lung cancer receiving care in the veterans health administration. *JAMA Oncology*. 2019;5(12):1702–1709. <https://doi.org/10.1001/jama-oncol.2019.3105>.
- (45) Irwin KE, Greer JA, Khatib J, et al. Early palliative care and metastatic non-small cell lung cancer: potential mechanisms of prolonged survival. *Chronic Respiratory Disease*. 2013;10(1):35–47. <https://doi.org/10.1177/1479972312471549>.
- (46) Borelli E, Bigi S, Potenza L, et al. Gratitude among advanced cancer patients and their caregivers: the role of early palliative care. *Frontiers in Oncology*. 2022;12:991250. <https://doi.org/10.3389/fonc.2022.991250>.

- (47) Sztachańska J, Krejtz I, Nežlek JB. Using a gratitude intervention to improve the lives of women with breast cancer: a daily diary study. *Frontiers in Psychology*. 2019;10:1365. <https://doi.org/10.3389/fpsyg.2019.01365>.
- (48) Maiko S, Johns SA, Helft PR, et al. (2019). Spiritual experiences of adults with advanced cancer in outpatient clinical settings. *Journal of Pain and Symptom Management*. 2019;57(3):576–586. e1. <https://doi.org/10.1016/j.jpainsymman.2018.11.026>.
- (49) Bradberry MM, Gukasyan N, Raison CL. Toward risk-benefit assessments in psychedelic- and MDMA-assisted therapies. *JAMA Psychiatry*. 2022;79(6):525–527. <https://doi.org/10.1001/jamapsychiatry.2022.0665>.
- (50) Back AL. What psilocybin taught me about dying. *Journal of Palliative Medicine*. 2019;22(7):861–862. <https://doi.org/10.1089/jpm.2018.0561>.
- (51) Malone TC, Mennenga SE, Guss J, et al. Individual experiences in four cancer patients following psilocybin-assisted psychotherapy. *Frontiers in Pharmacology*. 2018;9:256. <https://doi.org/10.3389/fphar.2018.00256>.
- (52) Ross S, Agrawal M, Griffiths RR, et al. Psychedelic-assisted psychotherapy to treat psychiatric and existential distress in life-threatening medical illnesses and palliative care. *Neuropharmacology*. 2022;216:109174. <https://doi.org/10.1016/j.neuropharm.2022.109174>.
- (53) Couldricková A, Parkes CM, Relfová, M. *Poradenství pro smrtelně nemocné a pozůstalé*. Praha: Barrister & Principal, 2008.
- (54) Kissane DW, Bultz BD, Butow PN, et al (eds.). *Oxford textbook of communication in oncology and palliative care*, 2 edn. Oxford Textbooks in Palliative Medicine (Oxford, 2017; online edn, Oxford Academic, 1 Feb. 2017), <https://doi.org/10.1093/med/9780198736134.001.0001>, accessed 6 Dec. 2023.
- (55) Sung H, Ferlay J, Siegel RL, et al. Global cancer statistics 2020: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries. *CA: A Cancer Journal for Clinicians*. 2021;71(3):209–249. <https://doi.org/10.3322/caac.21660>.
- (56) Varisco DM. The end of life, the ends of life: an anthropological view. *The Journal of IMA*. 2011;43(3):203–207. <https://doi.org/10.5915/43-7037>.
- (57) Walter T. Historical and cultural variants on the good death. *BMJ (Clinical Research ed.)*. 2003;327(7408):218–220. <https://doi.org/10.1136/bmj.327.7408.218>.
- (58) Long J. Near-death experience. Evidence for their reality. *Missouri Medicine*. 2014;111(5):372–380.
- (59) Foster RD, James D, Holden JM. Practical applications of research on near-death experiences. In Holden JM, Greyson B, James D (Eds.). *The handbook of near-death experiences: thirty years of investigation* (pp. 235–258). Praeger/ABC-CLIO, 2009.
- (60) Sleutjes A, Moreira-Almeida A, Greyson B. Almost 40 years investigating near-death experiences: an overview of mainstream scientific journals. *The Journal of Nervous and Mental Disease*. 2014;202(11):833–836. <https://doi.org/10.1097/NMD.0000000000000205>.
- (61) Stewart M. Spiritual assessment: a patient-centered approach to oncology social work practice. *Social Work in Health Care*. 2014;53(1):59–73. <https://doi.org/10.1080/00981389.2013.834033>.

- (62) Büssing A, Ostermann T, Matthiessen PF. The role of religion and spirituality in medical patients in Germany. *Journal of Religion and Health*. 2005;44:321–340. <https://doi.org/10.1007/s10943-005-5468-8>.
- (63) Monod S, Brennan M, Rochat E, et al. Instruments measuring spirituality in clinical research: a systematic review. *Journal of General Internal Medicine*. 2011;26(11):1345–1357. <https://doi.org/10.1007/s11606-011-1769-7>.
- (64) Mickley JR, Pargament KI, Brant CR, Hipp KM. God and the search for meaning among hospice caregivers. *The Hospice Journal*. 1998;13(4):1–17. <https://doi.org/10.1080/0742-969x.1998.11882904>.
- (65) Scherwitz L, Pullman M, McHenry P, et al. A contemplative care approach to training and supporting hospice volunteers: a prospective study of spiritual practice, well-being, and fear of death. *Explore (New York, N. Y.)*. 2006;2(4):304–313. <https://doi.org/10.1016/j.explore.2006.04.001>.
- (66) Kesebir P. A quiet ego quiets death anxiety: humility as an existential anxiety buffer. *Journal of Personality and Social Psychology*. 2014;106(4):610–623. <https://doi.org/10.1037/a0035814>.
- (67) Kuo YF, Chang YM, Lin MF, et al. Death anxiety as mediator of relationship between renunciation of desire and mental health as predicted by nonself theory. *Scientific Reports*. 2022;12(1):10209. <https://doi.org/10.1038/s41598-022-14527-w>.
- (68) Anālayo B, Medvedev ON, Singh NN, Dhaussy MR. Effects of mindful practices on terror of mortality: a randomized controlled trial. *Mindfulness*. 2022;13(12):3043–3057. <https://doi.org/10.1007/s12671-022-01967-8>.
- (69) Björklund M, Fridlund B, Mårtensson J. Experiences of psychological flow as described by people diagnosed with and treated for head and neck cancer. *European Journal of Oncology Nursing*. 2019;43:101671. <https://doi.org/10.1016/j.ejon.2019.09.012>.
- (70) Snyder CR, Lopez SJ. *Handbook of positive psychology*. Oxford: Oxford University Press, 2002.
- (71) Malone TC, Mennenga, SE, Guss J, et al. Individual experiences in four cancer patients following psilocybin-assisted psychotherapy. *Frontiers in Pharmacology*. 2018;9:256. <https://doi.org/10.3389/fphar.2018.00256>.
- (72) Daruna JH. *Introduction to psychoneuroimmunology*. Oxford: Academic Press, 2012.
- (73) Irwin M, Vedhara K. *Human psychoneuroimmunology*. Oxford: Oxford University Press, 2005.
- (74) Green McDonald P, O'Connell M, Lutgendorf SK. Psychoneuroimmunology and cancer: a decade of discovery, paradigm shifts, and methodological innovations. *Brain, Behavior, and Immunity*. 2013;30 Suppl(0):S1–S9. <https://doi.org/10.1016/j.bbi.2013.01.003>.
- (75) Klener, P jr, Klener P. *Principy systémové protinádorové léčby*. Praha: Grada, 2013.
- (76) Krejsek J, Andrýs C, Krčmová I. *Imunologie člověka*. Hradec Králové: Garamon, 2016.
- (77) Feng Z, Liu L, Zhang C, et al. Chronic restraint stress attenuates p53 function and promotes tumorigenesis. *Proceedings of the National Academy of Sciences of the United States of America*. 2012;109(18):7013–7018. <https://doi.org/10.1073/pnas.1203930109>.

- (78) Hassan S, Karpova Y, Baiz D, et al. Behavioral stress accelerates prostate cancer development in mice. *The Journal of Clinical Investigation*. 2013;123(2):874–886. <https://doi.org/10.1172/JCI63324>.
- (79) Sastry KS, Karpova Y, Prokopovich S, et al. Epinephrine protects cancer cells from apoptosis via activation of cAMP-dependent protein kinase and BAD phosphorylation. *The Journal of Biological Chemistry*. 2007;282(19):14094–14100. <https://doi.org/10.1074/jbc.M611370200>.
- (80) Yan Q. *Psychoneuroimmunology*. Switzerland: Spriger, 2016.
- (81) Mravec B, Blaško F. Neurobiológia nádorových chorôb – význam inervácie nádorového tkaniva. *Klinická onkologie*. 2022;35(3):208–214. <https://doi.org/10.48095/ccko2022208>.
- (82) Sloan EK, Priceman SJ, Cox BF, et al. (2010). The sympathetic nervous system induces a metastatic switch in primary breast cancer. *Cancer Research*. 2010;70(18):7042–7052. <https://doi.org/10.1158/0008-5472.CAN-10-0522>.
- (83) Cohen S, Janicki-Deverts D, Miller GE. Psychological stress and disease. *JAMA*. 2007;298(14):1685–1687. <https://doi.org/10.1001/jama.298.14.1685>.
- (84) Antoni MH, Dhabhar FS. The impact of psychosocial stress and stress management on immune responses in patients with cancer. *Cancer*. 2019;125(9):1417–1431. <https://doi.org/10.1002/cncr.31943>.
- (85) Ricon-Becker I, Haldar R, Simon SM, et al. Effect of perioperative COX-2 and beta-adrenergic inhibition on 5-year disease-free-survival in colorectal cancer: a pilot randomized controlled Colorectal Metastasis Prevention Trial (COMPIT). *European Journal of Surgical Oncology*. 2023;49(3):655-661. <https://doi.org/10.1016/j.ejso.2022.10.013>.
- (86) Lillberg K, Verkasalo PK, Kaprio J, et al. Stressful life events and risk of breast cancer in 10,808 women: a cohort study. *American Journal of Epidemiology*. 2003;157(5):415–423. <https://doi.org/10.1093/aje/kwg002>.
- (87) Levav I, Kohn R, Iscovich J, et al. Cancer incidence and survival following bereavement. *American Journal of Public Health*. 2000;90(10):1601–1607. <https://doi.org/10.2105/ajph.90.10.1601>.
- (88) Schoemaker MJ, Jones ME, Wright LB, et al. Psychological stress, adverse life events and breast cancer incidence: a cohort investigation in 106,000 women in the United Kingdom. *Breast Cancer Research*. 2016;18(1):72. <https://doi.org/10.1186/s13058-016-0733-1>.
- (89) Bergelt C, Prescott E., Grønbaek M, et al. Stressful life events and cancer risk. *British Journal of Cancer*. 2006;95(11):1579–1581. <https://doi.org/10.1038/sj.bjc.6603471>.
- (90) Lin Y, Wang C, Zhong Y, et al. (2013). Striking life events associated with primary breast cancer susceptibility in women: a meta-analysis study. *Journal of Experimental & Clinical Cancer Research*. 2013;32(1):53. <https://doi.org/10.1186/1756-9966-32-53>.
- (91) Bahri N, Fathi Najafi T, Homaei Shandiz F, et al. The relation between stressful life events and breast cancer: a systematic review and meta-analysis of cohort studies. *Breast Cancer Research and Treatment*. 2019;176(1):53–61. <https://doi.org/10.1007/s10549-019-05231-x>.
- (92) Jafri SH, Ali F, Mollaeian A, et al. Major stressful life events and risk of developing lung cancer: a case-control study. *Clinical Medicine Insights: Oncology*. 2019;13:1179554919835798. <https://doi.org/10.1177/1179554919835798>.

- (93) Cohen S, Murphy MLM, Prather AA. Ten surprising facts about stressful life events and disease risk. *Annual Review of Psychology*. 2019;70:577–597. <https://doi.org/10.1146/annurev-psych-010418-102857>.
- (94) Penedo FJ, Dahn JR, Kinsinger D, et al. Anger suppression mediates the relationship between optimism and natural killer cell cytotoxicity in men treated for localized prostate cancer. *Journal of Psychosomatic Research*. 2006;60(4):423–427. <https://doi.org/10.1016/j.jpsychores.2005.08.001>.
- (95) Morris N, Moghaddam N, Tickle A, Biswas S. The relationship between coping style and psychological distress in people with head and neck cancer: a systematic review. *Psycho-Oncology*. 2018;27(3):734–747. <https://doi.org/10.1002/pon.4509>.
- (96) Yıldırım NK, Özkan M, İlgün AS, et al. Possible role of stress, coping strategies, and life style in the development of breast cancer. *International Journal of Psychiatry in Medicine*. 2018;53(3):207–220. <https://doi.org/10.1177/0091217417749789>.
- (97) Reynolds P, Hurley S, Torres M, et al. Use of coping strategies and breast cancer survival: results from the Black/White Cancer Survival Study. *American Journal of Epidemiology*. 2000;152(10):940–949. <https://doi.org/10.1093/aje/152.10.940>.
- (98) Frick LR, Barreiro Arcos ML, Rapanelli M, et al. Chronic restraint stress impairs T-cell immunity and promotes tumor progression in mice. *Stress*. 2009;12(2):134–143. <https://doi.org/10.1080/10253890802137437>.
- (99) Allison PJ, Guichard C, Fung K, Gilain L. Dispositional optimism predicts survival status 1 year after diagnosis in head and neck cancer patients. *Journal of Clinical Oncology*. 2003;21(3):543–548. <https://doi.org/10.1200/JCO.2003.10.092>.
- (100) Hinz A, Schulte T, Ernst J, et al. Sense of coherence, resilience, and habitual optimism in cancer patients. *International Journal of Clinical and Health Psychology*. 2023;23(2):100358. <https://doi.org/10.1016/j.ijchp.2022.100358>.
- (101) Fasano J, Shao T, Huang HH, et al. Optimism and coping: do they influence health outcomes in women with breast cancer? A systemic review and meta-analysis. *Breast Cancer Research and Treatment*. 2020;183(3):495–501. <https://doi.org/10.1007/s10549-020-05800-5>.
- (102) Segerstrom SC. Optimism, goal conflict, and stressor-related immune change. *Journal of Behavioral Medicine*. 2001;24(5):441–467. <https://doi.org/10.1023/a:1012271410485>.
- (103) Satin JR, Linden W, Phillips MJ. Depression as a predictor of disease progression and mortality in cancer patients: a meta-analysis. *Cancer*. 2009;115(22):5349–5361. <https://doi.org/10.1002/cncr.24561>.
- (104) Reiche EM, Nunes SO, Morimoto HK. Stress, depression, the immune system, and cancer. *The Lancet Oncology*. 2004;5(10):617–625. [https://doi.org/10.1016/S1470-2045\(04\)01597-9](https://doi.org/10.1016/S1470-2045(04)01597-9).
- (105) Giese-Davis J, Collie K, Rancourt KM, et al. Decrease in depression symptoms is associated with longer survival in patients with metastatic breast cancer: a secondary analysis. *Journal of Clinical Oncology*. 2011;29(4):413–420. <https://doi.org/10.1200/JCO.2010.28.4455>.
- (106) Andersen BL, Yang HC, Farrar WB, et al. Psychologic intervention improves survival for breast cancer patients: a randomized clinical trial. *Cancer*. 2008;113(12):3450–3458. <https://doi.org/10.1002/cncr.23969>.

- (107) Shakeri J, Kamangar M, Ebrahimi E, et al. (2015). Association of coping styles with quality of life in cancer patients. *Indian Journal of Palliative Care*. 2015;21(3):298–304. <https://doi.org/10.4103/0973-1075.164890>.
- (108) Pospíchal M. Možný vliv psychologických faktorů na progresi onkologického onemocnění. *Onkologie*. 2018;12:194–197.
- (109) Hořejší V, Bartůňková J, Brdička T, Spíšek R. *Základy imunologie*. Praha: Triton, 2013.
- (110) Schmidt D, Peterlik D, Reber SO, et al. Induction of suppressor cells and increased tumor growth following chronic psychosocial stress in male mice. *PloS One*. 2016;11(7):e0159059. <https://doi.org/10.1371/journal.pone.0159059>.
- (111) Inbar S, Neeman E, Avraham R, et al. Do stress responses promote leukemia progression? An animal study suggesting a role for epinephrine and prostaglandin-E2 through reduced NK activity. *PloS One*. 2011;6(4):e19246. <https://doi.org/10.1371/journal.pone.0019246>.
- (112) Shields GS, Spahr CM, Slavich GM. Psychosocial interventions and immune system function: a systematic review and meta-analysis of randomized clinical trials. *JAMA Psychiatry*. 2020;77(10):1031–1043. <https://doi.org/10.1001/jamapsychiatry.2020.0431>.
- (113) Glaser R, Kiecolt-Glaser JK. Stress-induced immune dysfunction: implications for health. *Nature reviews Immunology*. 2005;5(3):243–251. <https://doi.org/10.1038/nri1571>.
- (114) Ben-Shaanan TL, Schiller M, Azulay-Debby H, et al. Modulation of anti-tumor immunity by the brain's reward system. *Nature Communications*. 2018;9(1):2723.
- (115) Sarkar DK, Murugan S, Zhang C, Boyadjieva N. Regulation of cancer progression by β -endorphin neuron. *Cancer Research*. 2012;72(4):836–840. <https://doi.org/10.1158/0008-5472.CAN-11-3292>.
- (116) Ikeda A, Kawachi I, Iso H, et al. Social support and cancer incidence and mortality: the JPHC study cohort II. *Cancer Causes & Control*. 2013;24(5):847–860. <https://doi.org/10.1007/s10552-013-0147-7>.
- (117) Hussain SP, Harris CC. Inflammation and cancer: an ancient link with novel potentials. *International Journal of Cancer*. 2007;121(11):2373–2380. <https://doi.org/10.1002/ijc.23173>.
- (118) Kiecolt-Glaser JK, Gouin JP, Hantsoo L. Close relationships, inflammation, and health. *Neuroscience and Biobehavioral Reviews*. 2010;35(1):33–38. <https://doi.org/10.1016/j.neubiorev.2009.09.003>.
- (119) Lutgendorf SK, Sood AK, Anderson B, et al. Social support, psychological distress, and natural killer cell activity in ovarian cancer. *Journal of Clinical Oncology*. 2005;23(28):7105–7113. <https://doi.org/10.1200/JCO.2005.10.015>.
- (120) Anand P, Kunnumakkara AB, Sundaram C, et al. Cancer is a preventable disease that requires major lifestyle changes. *Pharmaceutical Research*. 2008;25(9):2097–2116. <https://doi.org/10.1007/s11095-008-9661-9>
- (121) Weiss SC, Emanuel LL, Fairclough DL, Emanuel EJ. Understanding the experience of pain in terminally ill patients. *Lancet*. 2001;357(9265):1311–1315. [https://doi.org/10.1016/S0140-6736\(00\)04515-3](https://doi.org/10.1016/S0140-6736(00)04515-3).

- (122) van den Beuken-van Everdingen MH, Hochstenbach LM, Joosten EA, et al. Update on prevalence of pain in patients with cancer: systematic review and meta-analysis. *Journal of Pain and Symptom Management*. 2016;51(6):1070–1090.e9. <https://doi.org/10.1016/j.jpainsymman.2015.12.340>.
- (123) Bamonti PM, Moye J, Naik AD. Pain is associated with continuing depression in cancer survivors. *Psychology, Health & Medicine*. 2018;23(10):1182–1195. <https://doi.org/10.1080/13548506.2018.1476723>.
- (124) Hughes S, Jaremka LM, Alfano CM, et al. Social support predicts inflammation, pain, and depressive symptoms: longitudinal relationships among breast cancer survivors. *Psychoneuroendocrinology*. 2014;42:38–44. <https://doi.org/10.1016/j.psyneuen.2013.12.016>.
- (125) Loeffler A, Steptoe A. Bidirectional longitudinal associations between loneliness and pain, and the role of inflammation. *Pain*. 2021 Mar 1;162(3):930–937. doi: 10.1097/j.pain.0000000000002082.
- (126) Abdallah CG, Geha P. Chronic pain and chronic stress: two sides of the same coin? *Chronic Stress (Thousand Oaks, Calif.)*. 2017;1:2470547017704763. <https://doi.org/10.1177/2470547017704763>.
- (127) Ngamkham S, Holden JE, Smith EL. A systematic review: mindfulness intervention for cancer-related pain. *Asia-Pacific Journal of Oncology Nursing*. 2019;6(2):161–169. https://doi.org/10.4103/apjon.apjon_67_18.
- (128) Ma TW, Yuen AS, Yang Z. The efficacy of acceptance and commitment therapy for chronic pain: a systematic review and meta-analysis. *The Clinical Journal of Pain*. 2023;39(3):147–157. <https://doi.org/10.1097/AJP.0000000000001096>.
- (129) Šlepecký M. et al. Třetí vlna v kognitivně behaviorální terapii. Praha: Portál, 2018.
- (130) Liou KT, Ashare R, Worster B, et al. SIO-ASCO guideline on integrative medicine for cancer pain management: implications for racial and ethnic pain disparities. *JNCI Cancer Spectrum*. 2023;7(4):pkad042. <https://doi.org/10.1093/jncics/pkad042>.
- (131) Plinsinga ML, Singh B, Rose GL, et al. (2023). The effect of exercise on pain in people with cancer: a systematic review with meta-analysis. *Sports Medicine*. 2023;53(9):1737–1752. <https://doi.org/10.1007/s40279-023-01862-9>.
- (132) Klepáčková O, Krejčí Z, Černá M. Trauma – informovaný přístup v sociální práci. Praha: Grada, 2020.
- (133) Boyer BA, Bubel D, Jacobs SR, et al. Posttraumatic stress in women with breast cancer and their daughters. *American Journal of Family Therapy*. 2002;30(4):323–338. <https://doi.org/10.1080/01926180290033466>.
- (134) Kazak AE, Alderfer M, Rourke MT, et al. Posttraumatic stress disorder (PTSD) and posttraumatic stress symptoms (PTSS) in families of adolescent childhood cancer survivors. *Journal of Pediatric Psychology*. 2004;29(3):211–219. <https://doi.org/10.1093/jpepsy/jsh022>.
- (135) Holland JC, et al. *Psycho-Oncology*. Oxford: Oxford University Press, 2015. <https://doi.org/10.1093/med/9780190097653.001.0001>, accessed 8 Dec. 2023.
- (136) Kangas M, Henry JL, Bryant RA. Posttraumatic stress disorder following cancer. A conceptual and empirical review. *Clinical Psychology Review*. 2002;22(4):499–524. [https://doi.org/10.1016/s0272-7358\(01\)00118-0](https://doi.org/10.1016/s0272-7358(01)00118-0).

- (137) Cormio C, Muzzatti B, Romito F, et al. Posttraumatic growth and cancer: a study 5 years after treatment end. *Supportive Care in Cancer*. 2017;25(4):1087–1096. <https://doi.org/10.1007/s00520-016-3496-4>.
- (138) Hermelink K, Bühner M, Sckopke P et al. Chemotherapy and post-traumatic stress in the causation of cognitive dysfunction in breast cancer patients. *Journal of the National Cancer Institute*. 2017;109(10):10.1093/jnci/djx057. <https://doi.org/10.1093/jnci/djx057>.
- (139) Roberts AL, Huang T, Koenen KC, et al. Posttraumatic stress disorder is associated with increased risk of ovarian cancer: a prospective and retrospective longitudinal cohort study. *Cancer Research*. 2019;79(19):5113–5120. <https://doi.org/10.1158/0008-5472.CAN-19-1222>.
- (140) Tedeschi RG, Calhoun LG. The posttraumatic growth inventory: measuring the positive legacy of trauma. *Journal of Traumatic Stress*. 1996;9(3):455–471. <https://doi.org/10.1007/BF02103658>.
- (141) Calhoun LG, Tedeschi RG (Eds.). *Handbook of posttraumatic growth: research & practice*. Mahwah, NJ: Lawrence Erlbaum Associates Publishers, 2006.
- (142) Manne S, Ostroff J, Winkel G, et al. Posttraumatic growth after breast cancer: patient, partner, and couple perspectives. *Psychosomatic Medicine*. 2004;66(3):442–454. <https://doi.org/10.1097/01.psy.0000127689.38525.7d>.
- (143) Sears SR, Stanton AL, Danoff-Burg S. The yellow brick road and the emerald city: benefit finding, positive reappraisal coping and posttraumatic growth in women with early-stage breast cancer. *Health Psychology*. 2003;22(5):487–497. <https://doi.org/10.1037/0278-6133.22.5.487>.
- (144) Stanton AL, Bower JE, Low CA. Posttraumatic growth after cancer. In Calhoun LG, Tedeschi RG (Eds.). *Handbook of posttraumatic growth: research & practice* (pp. 138–175). Mahwah, NJ: Lawrence Erlbaum Associates Publishers, 2006.
- (145) Mareš J. *Posttraumatický rozvoj člověka*. Praha: Grada, 2012.
- (146) Schwarzer R, Luszczynska A, Boehmer S, et al. Changes in finding benefit after cancer surgery and the prediction of well-being one year later. *Social Science & Medicine* (1982). 2006;63(6):1614–1624. <https://doi.org/10.1016/j.socscimed.2006.04.004>.
- (147) Danhauer SC, Case LD, Tedeschi R, et al. Predictors of posttraumatic growth in women with breast cancer. *Psycho-Oncology*. 2013;22(12):2676–2683. <https://doi.org/10.1002/pon.3298>.
- (148) Danhauer SC, Russell GB, Tedeschi RG, et al. A longitudinal investigation of posttraumatic growth in adult patients undergoing treatment for acute leukemia. *Journal of Clinical Psychology in Medical Settings*. 2013;20(1):13–24. <https://doi.org/10.1007/s10880-012-9304-5>.
- (149) Cann A, Calhoun LG, Tedeschi RG, et al. The core beliefs inventory: a brief measure of disruption in the assumptive world. *Anxiety, Stress, and Coping*. 2010;23(1):19–34. <https://doi.org/10.1080/10615800802573013>.
- (150) McDonough MH, Sabiston CM, Wrosch C. Predicting changes in posttraumatic growth and subjective well-being among breast cancer survivors: the role of social support and stress. *Psycho-Oncology*. 2014;23(1):114–120. <https://doi.org/10.1002/pon.3380>.
- (151) Yang CY, Chiang YC, Wu CL, et al. Mediating role of spirituality on the relationships between posttraumatic stress and posttraumatic growth among patients with cancer: a cross-sectional

- study. *Asia-Pacific Journal of Oncology Nursing*. 2023;10(5):100221. <https://doi.org/10.1016/j.apjon.2023.100221>.
- (152) Slater CL, Bordenave J, Boyer BA. Impact of spiritual and religious coping on PTSD. In: Martin C, Preedy V, Patel V (eds). *Comprehensive guide to post-traumatic stress disorders*. Cham: Springer, 2016. https://doi.org/10.1007/978-3-319-08359-9_49.
- (153) Schroevers MJ, Helgeson VS, Sanderman R, Ranchor AV. Type of social support matters for prediction of posttraumatic growth among cancer survivors. *Psycho-Oncology*. 2010;19(1):46–53. <https://doi.org/10.1002/pon.1501>.
- (154) Scrignaro M, Barni S, Magrin ME. The combined contribution of social support and coping strategies in predicting post-traumatic growth: a longitudinal study on cancer patients. *Psycho-Oncology*. 2011;20(8):823–831. <https://doi.org/10.1002/pon.1782>.
- (155) Ma X, Wan X, Chen C. The correlation between posttraumatic growth and social support in people with breast cancer: A meta-analysis. *Front Psychol*. 2022 Dec 15;13:1060150. doi: 10.3389/fpsyg.2022.1060150. Erratum in: *Front Psychol*. 2023 Feb 14;14:1129481. PMID: 36591054; PMCID: PMC9799164.
- (156) Pospíchal M, Šporcová I. Sdělování špatných zpráv pacientům a náročná komunikace v onkologické praxi. *Onkologie*. 2020;14 (Suppl. C):39–42.
- (157) Bernhardt BC, Singer T. The neural basis of empathy. *Annual Review of Neuroscience*. 2012;35:1–23. <https://doi.org/10.1146/annurev-neuro-062111-150536>.
- (158) Baile WF, Buckman R, Lenzi R, et al. SPIKES—a six-step protocol for delivering bad news: application to the patient with cancer. *The Oncologist*. 2000;5(4):302–311. <https://doi.org/10.1634/theoncologist.5-4-302>.
- (159) Hagerty RG, Butow PN, Ellis PA, et al. Cancer patient preferences for communication of prognosis in the metastatic setting. *Journal of Clinical Oncology*. 2004;22(9):1721–1730. <https://doi.org/10.1200/JCO.2004.04.095>.
- (160) Ghoshal A, Salins N, Damani A, et al. To tell or not to tell: exploring the preferences and attitudes of patients and family caregivers on disclosure of a cancer-related diagnosis and prognosis. *Journal of Global Oncology*. 2019;5:1–12. <https://doi.org/10.1200/JGO.19.00132>.
- (161) Johns SA, Stutz PV, Talib TL, et al. Acceptance and commitment therapy for breast cancer survivors with fear of cancer recurrence: A 3-arm pilot randomized controlled trial. *Cancer*. 2020;126(1):211–218. <https://doi.org/10.1002/cncr.32518>.
- (162) Pennebaker JW. Expressive writing in psychological science. *Perspectives on Psychological Science*. 2018;13(2):226–229. <https://doi.org/10.1177/1745691617707315>.
- (163) Hall DL, Jimenez RB, Perez GK, et al. Fear of cancer recurrence: a model examination of physical symptoms, emotional distress, and health behavior change. *Journal of Oncology Practice*. 2019;15(9):e787–e797. <https://doi.org/10.1200/JOP.18.00787>.
- (164) Luberto CM, Hall DL, Chad-Friedman E, Park ER. Theoretical rationale and case illustration of mindfulness-based cognitive therapy for fear of cancer recurrence. *Journal of Clinical Psychology in Medical Settings*. 2019;6(4):449–460. <https://doi.org/10.1007/s10880-019-09610-w>.
- (165) Park S, Sato Y, Takita Y, et al. Mindfulness-based cognitive therapy for psychological distress, fear of cancer recurrence, fatigue, spiritual well-being, and quality of life in patients with

- breast cancer – a randomized controlled trial. *Journal of Pain and Symptom Management*. 2020;60(2):381–389. <https://doi.org/10.1016/j.jpainsymman.2020.02.017>.
- (166) Nakatani Y, Iwamitsu Y, Kuranami M, et al. The relationship between emotional suppression and psychological distress in breast cancer patients after surgery. *Japanese Journal of Clinical Oncology*. 2014;44(9):818–825. <https://doi.org/10.1093/jjco/hyu089>.
- (167) Koral L, Cirak Y. The relationships between fear of cancer recurrence, spiritual well-being and psychological resilience in non-metastatic breast cancer survivors during the COVID-19 outbreak. *Psycho-Oncology*. 2021;30(10):1765–1772. <https://doi.org/10.1002/pon.5727>.
- (168) Fleishman SB, Homel P, Chen MR, et al. Beneficial effects of animal-assisted visits on quality of life during multimodal radiation-chemotherapy regimens. *The Journal of Community and Supportive Oncology*. 2015;13(1):22–26. <https://doi.org/10.12788/jcso.0102>.
- (169) White JH, Quinn M, Garland S, et al. Animal-assisted therapy and counseling support for women with breast cancer: an exploration of patient's perceptions. *Integrative Cancer Therapies*. 2015;14(5):460–467. <https://doi.org/10.1177/1534735415580678>.
- (170) Barker SB, Pandurangi AK, Best AM. Effects of animal-assisted therapy on patients' anxiety, fear, and depression before ECT. *The journal of ECT*. 2003;19(1):38–44. <https://doi.org/10.1097/00124509-200303000-00008>.
- (171) Schilder CM, Seynaeve C, Beex LV, et al. Effects of tamoxifen and exemestane on cognitive functioning of postmenopausal patients with breast cancer: results from the neuropsychological side study of the tamoxifen and exemestane adjuvant multinational trial. *Journal of Clinical Oncology*. 2010;28(8):1294–1300. <https://doi.org/10.1200/JCO.2008.21.3553>.
- (172) Mandelblatt JS, Small BJ, Luta G, et al. Cancer-related cognitive outcomes among older breast cancer survivors in the thinking and living with cancer study. *Journal of Clinical Oncology*. 2018;36(32):JCO1800140. Advance online publication. <https://doi.org/10.1200/JCO.18.00140>.
- (173) Von Ah D, Storey S, Jansen CE, Allen DH. Coping strategies and interventions for cognitive changes in patients with cancer. *Seminars in Oncology Nursing*. 2013;29(4):288–299. <https://doi.org/10.1016/j.soncn.2013.08.009>.
- (174) Janelins MC, Heckler CE, Peppone LJ, et al. Longitudinal trajectory and characterization of cancer-related cognitive impairment in a nationwide cohort study. *Journal of Clinical Oncology*. 2018;36(32):JCO2018786624. Advance online publication. <https://doi.org/10.1200/JCO.2018.78.6624>.
- (175) Plassman BL, Williams JW Jr, Burke JR, et al. Systematic review: factors associated with risk for and possible prevention of cognitive decline in later life. *Annals of Internal Medicine*. 2010;153(3):182–193. <https://doi.org/10.7326/0003-4819-153-3-201008030-00258>.
- (176) Gaynor AM, Pergolizzi D, Alici Y, et al. Impact of transcranial direct current stimulation on sustained attention in breast cancer survivors: Evidence for feasibility, tolerability, and initial efficacy. *Brain Stimulation*. 2020;13(4):1108–1116. <https://doi.org/10.1016/j.brs.2020.04.013>.
- (177) Bower JE, Ganz PA, Desmond KA, et al. Fatigue in breast cancer survivors: occurrence, correlates, and impact on quality of life. *Journal of Clinical Oncology*. 2000;18(4):743–753. <https://doi.org/10.1200/JCO.2000.18.4.743>.

- (178) Curt GA, Breitbart W, Cella D, et al. Impact of cancer-related fatigue on the lives of patients: new findings from the Fatigue Coalition. *The Oncologist*. 2000;5(5):353–360. <https://doi.org/10.1634/theoncologist.5-5-353>.
- (179) Goedendorp MM, Gielissen MF, Verhagen CA, et al. Severe fatigue and related factors in cancer patients before the initiation of treatment. *British Journal of Cancer*. 2008;99(9):1408–1414. <https://doi.org/10.1038/sj.bjc.6604739>.
- (180) Henry DH, Viswanathan HN, Elkin EP, et al. Symptoms and treatment burden associated with cancer treatment: results from a cross-sectional national survey in the U.S. *Supportive Care in Cancer*. 2008;16(7):791–801. <https://doi.org/10.1007/s00520-007-0380-2>.
- (181) Irwin MR. Sleep and inflammation: partners in sickness and in health. *Nature Reviews Immunology*. 2019;19(11):702–715. <https://doi.org/10.1038/s41577-019-0190-z>.
- (182) Schmitz KH, Courneya KS, Matthews C, et al. American College of Sports medicine roundtable on exercise guidelines for cancer survivors. *Medicine and Science in Sports and Exercise*. 2010;42(7):1409–1426. <https://doi.org/10.1249/MSS.0b013e3181e0c112>.
- (183) Lynch BM, Neilson HK, Friedenreich CM. Physical activity and breast cancer prevention. *Recent Results in Cancer Research*. 2011;186:13–42. https://doi.org/10.1007/978-3-642-04231-7_2.
- (184) Craft LL, Vaniterson EH, Helenowski IB, et al. Exercise effects on depressive symptoms in cancer survivors: a systematic review and meta-analysis. *Cancer Epidemiology, Biomarkers & Prevention*. 2012;21(1):3–19. <https://doi.org/10.1158/1055-9965.EPI-11-0634>.
- (185) Woods JA, Wilund KR, Martin SA, Kistler BM. Exercise, inflammation and aging. *Aging and Disease*. 2012;3(1):130–140.
- (186) Simioni C, Zauli G, Martelli AM, et al. Oxidative stress: role of physical exercise and antioxidant nutraceuticals in adulthood and aging. *Oncotarget*. 2018;9(24):17181–17198. <https://doi.org/10.18632/oncotarget.24729>.
- (187) Payne JK. Altered circadian rhythms and cancer-related fatigue outcomes. *Integrative Cancer Therapies*. 2011;10(3):221–233. <https://doi.org/10.1177/1534735410392581>.
- (188) Kangas M, Bovbjerg DH, Montgomery GH. Cancer-related fatigue: a systematic and meta-analytic review of non-pharmacological therapies for cancer patients. *Psychological Bulletin*. 2008;134(5):700–741. <https://doi.org/10.1037/a0012825>.
- (189) Molassiotis A, Bardy J, Finnegan-John J, et al. Acupuncture for cancer-related fatigue in patients with breast cancer: a pragmatic randomized controlled trial. *Journal of Clinical Oncology*. 2012;30(36):4470–4476. <https://doi.org/10.1200/JCO.2012.41.6222>.
- (190) van der Lee ML, Garssen B. (2012). Mindfulness-based cognitive therapy reduces chronic cancer-related fatigue: a treatment study. *Psycho-Oncology*, 2012;21(3):264–272. <https://doi.org/10.1002/pon.1890>.
- (191) Bower JE, Greendale G, Crosswell AD, et al. Yoga reduces inflammatory signaling in fatigued breast cancer survivors: a randomized controlled trial. *Psychoneuroendocrinology*. 2014;43:20–29. <https://doi.org/10.1016/j.psyneuen.2014.01.019>.
- (192) Bower JE, Garet D, Sternlieb B, et al. Yoga for persistent fatigue in breast cancer survivors: a randomized controlled trial. *Cancer*. 2012; 118(15):3766–3775. <https://doi.org/10.1002/cncr.26702>.