



Fysioterapi til mennesker med demens

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1. Nationalt Videnscenter for Demens.
2. Sundheds- og Ældreministeriet (2016): *Statusrapport på demensområdet i Danmark*, www.sum.dk/~media/Filer%20-%20Publikationer_i_pdf/2016/Statusrapport-demens-2016/Statusrapport-paa-demensomraadet-i-dk.ashx.
3. Groot C, Hooghiemstra AM, Raijmakers PG, Berckel BN, Scheltens P, Scherder EJ, et al. *The Effect of Physical Activity on Cognitive Function in Patients with Dementia: A Meta-Analysis of Randomized Control Trials*. Ageing research reviews. 2015;
4. Bruce-Keller AJ, Brouillet RM, Tudor-Locke C, Foil HC, Gahan WP, Nye DM, et al. *Relationship between cognitive domains, physical performance, and gait in elderly and demented subjects*. J Alzheimers Dis. 2012;30:899-908.
5. Eggermont LH, Gavett BE, Volkers KM, Blankevoort CG, Scherder EJ, Jefferson AL, et al. *Lower-extremity function in cognitively healthy aging, mild cognitive impairment, and Alzheimer's disease*. Archives of physical medicine and rehabilitation. 2010;91:584-8.
6. Suttorp P, Hill KD, Said CM, Loguidice D, Lautenschlager NT, Dodd KJ. *Balance and mobility dysfunction and falls risk in older people with mild to moderate Alzheimer disease*. American journal of physical medicine & rehabilitation / Association of Academic Physiatrists. 2012;91:12-23.
7. Ijmker T, Lamoth CJ. *Gait and cognition: the relationship between gait stability and variability with executive function in persons with and without dementia*. Gait & posture. 2012;35:126-30.
8. Scherder E, Eggermont L, Swaab D, van Heuvelen M, Kamsma Y, de Greef M, et al. *Gait in ageing and associated dementias; its relationship with cognition*. Neuroscience and biobehavioral reviews. 2007;31:485-97.
9. Vidoni ED, Billinger SA, Lee C, Hamilton J, Burns JM. *The physical performance test predicts aerobic capacity sufficient for independence in early-stage Alzheimer disease*. J Geriatr Phys Ther. 2012;35:72-8.
10. Coelho FG, Stella F, de Andrade LP, Barbieri FA, Santos-Galduroz RF, Gobbi S, et al. *Gait and risk of falls associated with frontal cognitive functions at different stages of Alzheimer's disease*. Neuropsychology, development, and cognition Section B, Aging, neuropsychology and cognition. 2012;19:644-56.
11. Muir SW, Speechley M, Wells J, Borrie M, Gopaul K, Montero- Odasso M. *Gait assessment in mild cognitive impairment and Alzheimer's disease: the effect of dual-task challenges across the cognitive spectrum*. Gait & posture. 2012;35:96-100.
12. Muir SW, Beauchet O, Montero-Odasso M, Annweiler C, Fantino B, Speechley M. *Association of executive function impairment, history of falls and physical performance in older adults: a cross-sectional population-based study in eastern France*. The journal of nutrition, health & aging. 2013;17:661-5.
13. Amboni M, Barone P, Hausdorff JM. *Cognitive contributions to gait and falls: evidence and implications*. Movement disorders: official journal of the Movement Disorder Society. 2013;28:1520-33.
14. Forbes D, Forbes SC, Blake CM, Thiessen EJ, Forbes S. *Exercise programs for people with dementia*. The Cochrane database of systematic reviews. 2015;4:CD006489.



15. Blankevoort CG, van Heuvelen MJ, Boersma F, Luning H, de Jong J, Scherder EJ. *Review of effects of physical activity on strength, balance, mobility and ADL performance in elderly subjects with dementia*. Dement Geriatr Cogn Disord. 2010;30:392-402.
16. Littbrand H, Stenvall M, Rosendahl E. *Applicability and effects of physical exercise on physical and cognitive functions and activities of daily living among people with dementia: a systematic review*. American journal of physical medicine & rehabilitation / Association of Academic Physiatrists. 2011;90:495-518.
17. Sobol NA, Hoffmann K, Frederiksen KS, Vogel A, Vestergaard K, Braendgaard H, et al. *Effect of aerobic exercise on physical performance in patients with Alzheimer's disease*. Alzheimer's & dementia : the journal of the Alzheimer's Association. 2016.
18. Brett L, Traynor V, Stapley P. *Effects of Physical Exercise on Health and Well-Being of Individuals Living With a Dementia in Nursing Homes: A Systematic Review*. J Am Med Dir Assoc. 2016;17:104-16.
19. Laver K, Dyer S, Whitehead C, Clemson L, Crotty M. *Interventions to delay functional decline in people with dementia: a systematic review of systematic reviews*. BMJ Open. 2016;6:e010767.
20. Pitkala K, Savikko N, Poysti M, Strandberg T, Laakkonen ML. *Efficacy of physical exercise intervention on mobility and physical functioning in older people with dementia: a systematic review*. Exp Gerontol. 2013;48:85-93.
21. Telenius EW, Engedal K, Bergland A. *Effect of a high-intensity exercise program on physical function and mental health in nursing home residents with dementia: an assessor blinded randomized controlled trial*. PloS one. 2015;10:e0126102.
22. Cancela JM, Ayan C, Varela S, Seijo M. *Effects of a long-term aerobic exercise intervention on institutionalized patients with dementia*. J Sci Med Sport. 2015.
23. Rao AK, Chou A, Bursley B, Smulofsky J, Jezequel J. *Systematic review of the effects of exercise on activities of daily living in people with Alzheimer's disease*. The American journal of occupational therapy : official publication of the American Occupational Therapy Association. 2014;68:50-6.
24. Toots A, Littbrand H, Lindelof N, Wiklund R, Holmberg H, Nordstrom P, et al. *Effects of a High-Intensity Functional Exercise Program on Dependence in Activities of Daily Living and Balance in Older Adults with Dementia*. J Am Geriatr Soc. 2016;64:55-64.
25. Burton E, Cavalheri V, Adams R, Browne CO, Bovery-Spencer P, Fenton AM, et al. *Effectiveness of exercise programs to reduce falls in older people with dementia living in the community: a systematic review and meta-analysis*. Clinical interventions in aging. 2015;10:421-34.
26. Perrochon A, Tchalla AE, Bonis J, Perucaud F, Mandigout S. *Effects of a Multicomponent Exercise Program on Spatiotemporal Gait Parameters, Risk of Falling and Physical Activity in Dementia Patients*. Dementia and geriatric cognitive disorders extra. 2015;5:350-60.
27. Chan WC, Fai Yeung JW, Man Wong CS, Wa Lam LC, Chung KF, Hay Luk JK, et al. *Efficacy of physical exercise in preventing falls in older adults with cognitive impairment: a systematic review and meta-analysis*. J Am Med Dir Assoc. 2015;16:149-54.
28. Schwenk M, Zieschang T, Oster P, Hauer K. *Dual-task performances can be improved in patients with dementia: a randomized controlled trial*. Neurology. 2010;74:1961-8.



29. Coelho FG, Andrade LP, Pedroso RV, Santos-Galduroz RF, Gobbi S, Costa JL, et al. *Multimodal exercise intervention improves frontal cognitive functions and gait in Alzheimer's disease: a controlled trial*. Geriatrics & gerontology international. 2013;13:198-203.
30. Ohman H, Savikko N, Strandberg TE, Pitkala KH. *Effect of physical exercise on cognitive performance in older adults with mild cognitive impairment or dementia: a systematic review*. Dement Geriatr Cogn Disord. 2014;38:347-65.
31. Phillips C, Baktir MA, Das D, Lin B, Salehi A. *The Link Between Physical Activity and Cognitive Dysfunction in Alzheimer Disease*. Physical therapy. 2015;95:1046-60.
32. Hoffmann K, Sobol NA, Frederiksen KS, Beyer N, Vogel A, Vestergaard K, et al. *Moderate-to-High Intensity Physical Exercise in Patients with Alzheimer's Disease: A Randomized Controlled Trial*. J Alzheimers Dis. 2015.
33. Brown BM, Peiffer JJ, Martins RN. *Multiple effects of physical activity on molecular and cognitive signs of brain aging: can exercise slow neurodegeneration and delay Alzheimer's disease?* Molecular psychiatry. 2013;18:864-74.
34. Thune-Boyle IC, Iliffe S, Cerga-Pashoja A, Lowery D, Warner J. *The effect of exercise on behavioral and psychological symptoms of dementia: towards a research agenda*. Int Psychogeriatr. 2012;24:1046-57.
35. Zhu XC, Yu Y, Wang HF, Jiang T, Cao L, Wang C, et al. *Physiotherapy intervention in Alzheimer's disease: systematic review and meta-analysis*. J Alzheimers Dis. 2015;44:163-74.
36. Moyle W, Murfield JE, O'Dwyer S, Van Wyk S. *The effect of massage on agitated behaviours in older people with dementia: a literature review*. J Clin Nurs. 2013;22:601-10.
37. Strom BS, Ytrehus S, Grov EK. *Sensory stimulation for persons with dementia: a review of the literature*. J Clin Nurs. 2016;25:1805-34.
38. Viggo Hansen N, Jorgensen T, Ortenblad L. *Massage and touch for dementia*. The Cochrane database of systematic reviews. 2006;CD004989.