

Literatur zum Artikel von Harald Jansenberger: Präventive Bewegung bei und zur Vorbeugung von Osteoporose, „Praxis Physiotherapie“ 4/2010, S. 262ff.

1. Baum E, Peters KM: Primäre Osteoporose – leitliniengerechte Diagnostik und Therapie, Deutsches Ärzteblatt, 2008, Jg. 105, Heft 33, S. 573-582
2. Bautmans I, Van Puyvelde K, Mets T: Sarcopenia and functional decline: pathophysiology, prevention and therapy, Acta Clin Belg, Jul-Aug, 2009, 64(4):303-16
3. Begerow, Pfeifer, Minne: Sport und Bewegungstherapie in der Rehabilitation der Osteoporose, Deutsche Zeitschrift für Sportmedizin, 2004, Jg. 55, Nr. 11, S. 301-302
4. Borgo MJ, Sinaki M: Back Progressive Resistive Exercise Program to Reduce Risk of Vertebral Fractures, Journal für Mineralstoffwechsel, 2010; 17(2), 66-71
5. Bürge M., Gerber-Glur E., Chappuis Ch.: Stürze und Sturzgefährdung, in: Schweiz Medizin Forum Nr. 6, 6. Februar 2002, S.121-124
6. Chwilkowski C.: Medizinisches Koordinationstraining, DTV, 2006, Köln
7. Chu L., et al.: Risk Factors for Falls in Hospitalized Older Medical Patients, in: Journal of Gerontology: Medical Sciences, 1999, Vol. 54A, Nr. 1, M38-M43
8. Cummings SR, Black DM, Nevitt MC, Browner W, Cauley J, Ensrud K, et al. Bone density at various sites for prediction of hip fractures. The Study of Osteoporotic Fractures Research Group. Lancet 1993; 341: 72-5.
9. Devereux K, Robertson D, Briffa NK: Effects of a water-based program on women 65 years and over: a randomised controlled trial Aust J Physiother. 2005; 51(2):102-8.
10. Dirks, Leeuwenburgh: Der Einfluss von Alter und Training auf die Apoptose im Skelettmuskel, Deutsche Zeitschrift für Sportmedizin, 2005, Jg. 65, Nr. 3, 62-67
11. Faulkner KA, Redfern MS, Cauley JA, Landsittel DP, Studenski SA, Rosano C, Simonsick EM, Harris TB, Shorr RI, Ayonayon HN, Newman AB; Health, Aging, and Body Composition StudyMultitasking: association between poorer performance and a history of recurrent falls. J Am Geriatr Soc. 2007 Apr;55(4):570-6
12. Felsenberg D., Dietzel R.: Osteoporose – Wie man Frakturen verhindern kann, Dt. Ärzteblatt, 2009, Jg. 106, Heft 47
13. Fiatarone MA, O'Neill EF, Ryan ND, Clements KM, Solares GR, Nelson ME, Roberts SB, Kehayias JJ, Lipsitz LA, Evans WJ.: Exercise training and nutritional supplementation for physical frailty in very elderly people, N Engl J Med., 1994, Jun 23;330(25):1769-75
14. Freiberger E., Schöne D.: Sturzprophylaxe im Alter – Grundlagen und Module zur Planung von Kursen, Deutscher Ärzteverlag, 2010

15. Gauchard G.C., Tessier A., Jeandel C., Perrin Ph. P.: Improved Muscle Strength and Power in Elderly Exercising Regularly, International Journal of Sports medicine, 2003, 24, S.71-74
16. Gillespie LD, Gillespie WJ, Robertson MC, Lamb SE, Cumming RG, Rowe BH,: Interventions for preventing falls in elderly people, in: The Cochrane Library, 2007, Issue 1
17. Graafmans WC, Lips P, Wijlhuizen GJ, Pluijm SM, Bouter LM. Daily physical activity and the use of a walking aid in relation to falls in elderly people in a residential care setting. Z Gerontol Geriatr. 2003, Feb;36(1):23-8
18. Grahn Kronhed AC, Hallberg I.,Mller L: Effect of training on health-related quality of life, pain and falls in osteoporotic women, Advances in Physiotherapy, 2009, Volume 11, Issue 3, pages 154 - 165
19. Granacher U., Gollhofer U., Zahner L.: Posturale Kontrolle im Alter, Praxis Physiotherapie, 2010, Jg. 3., Heft 2, S. 131-136
20. Granacher U, Muehlbauer T, Bridenbaugh S, Bleiker E, Wehrle A, Kressig RW.Balance Training and Multi-Task Performance in Seniors. Int J Sports Med. 2010, Feb 23. Epub ahead of print
21. Karlsson, M.: Has exercise an antifracture efficacy in women? In: Scandinavian Journal of medicine and science in sports, 2004, Vol. 14, Nr. 1, S.2-15
22. Karlsson MK, Nordqvist A, Karlsson C: Physical Activity, muscle function, falls and fractures, Foof and Nutrition Research, 2008, DOI: 10.3402/fnr.v52i0.1920
23. Kohrt WM, Bloomfield SA, Little KD, Nelson ME, Yingling VR. American College of Sports Medicine Position Stand: physical activity and bone health. Med Sci Sports Exerc. 2004; 36(11):1985-96.
24. Latham N, Anderson C, Bennett D, Stretton C. Progressive resistance strength training for physical disability in older people. Cochrane Database of Systematic Reviews 2003, Issue 2. Art. No.: CD002759. DOI: 10.1002/14651858.CD002759.
25. Lehtola S, Koistinen P, Luukinen H: Falls and injurious falls late in home-dwelling life, Arch Gerontol Geriatr. , 2006, Mar-Apr;42(2):217-24
26. Li F, Harmer P, Fischer KJ, MyAuley E, Chaumeton N, Eckstrom E, Wilson NL: Tai Chi and Fall Reductions in older adults: A randomized controlled trial, Journal of Gerontology: Medical Sciences, 2005, Vol. 60A, No. 2, 187-194
27. Lirani-Galvão APR, Lazaretti-Castro M: Physical approach for prevention and treatment of osteoporosis, Arq Bras Endocrinol Metab. 2010;54(2):171-8
28. Logghe IH, Zeeuwe PE, Verhagen AP, Wijnen-Sponselee RM, Willemsen SP, Bierma-Zeinstra SM, van Rossum E, Faber MJ, Koes BW: Lack of effect of Tai Chi Chuan in preventing falls in elderly people living at home: a randomized clinical trial. Journal of American Geriatrics Society. 2009 Jan;57(1):70-5.

29. Lord S, Sherrington C, Menz H, Close J: Falls in older people – Riskfactors and Strategies for Prevention, 2007, Second Edition, University Press, Cambridge
30. Madureira MM, Takayama L, Gallinaro L, Caparbo VF, Costa RA, Pereira RMR: Balance training program is highly effective improving functional status and reducing the risk of falls in elderly women with osteoporosis: a randomized controlled trial, *Osteoporos Int*, 2007, 18:419-425
31. McElhinney J., Koval K.J., Zuckerman J.: Falls and the Elderly, in: Archives of the American Academy of Orthopaedic Surgeons, 1998, Vol. 2, Nr. 1, S.60-65
32. Medelli J, Shabani M, Lounana J, Fardellone P, Campion F: Low bone mineral density and calcium intake in elite cyclists. *J Sports Med Phys Fitness* 49, 2009, 44-53
33. Merriman H, Jackson K: The effects of whole-body vibration training in aging adults: a systematic review. *J Geriatr Phys Ther.* 2009;32(3):134-45.
34. Meusel, H.: Bewegung, Sport und Gesundheit im Alter, 1996, Wiesbaden
35. Mudd LM, Fornetti, W, Pivarnik JM: Bone mineral density in collegiate female athletes: comparisons among sports *J Athl Train.* 2007 Jul–Sep; 42(3): 403–408.
36. Muhamadat J, Skelton DA, Kerr A, Evans JJ, Ballinger C: Are We Using The Right Dual Task Tests To Detect Mobility Problems? Perspectives From Older People, Parkinsonism and Related Disorders, 2010, Volume 16, Supplement 1, February, S52-S53.
37. Nagel V.: Fit und geschickt durch Seniorensport, Feldhaus, 1997, Hamburg
38. Paquet N, Lajoie Y, Rainville C, Sabagh-Yazdi F. Neurosci Lett Effect of navigation direction on the dual-task of counting backward, 2008 Sep 12;442(2):148-51.
39. Persch LN, Ugrinowitsch C, Pereira G, Rodacki AL,: Strength training improves fall-related gait kinematics in the elderly: a randomised controlled trial, *Clin Biomech (Bristol, Avon)*, 2009, Aug 27
40. Pfeifer M, Pollähne W, Minne HW: Begutachtung bei Osteoporose Befunde – Kriterien – Beurteilung, *Orthopädie und Rheuma*, 2003, 2, S.18-19
41. Preisinger E: Osteoporose: DVO-Leitlinien Physiotherapie und ICF, *Journal für Mineralstoffwechsel*, 2010, 17 (2), 72-75
42. Rizzoli R, Bruyere O, Cannata-Andia JB, Devogelaer JP, Lyritis G, Ringe JD, Vellas B, Reginster JY.: Management of osteoporosis in the elderly *Current Medical Research and Opinion.* 2009 Oct;25(10):2373-87.

43. Rogers C, Larkey K, Keller C: A Review of Clinical Trials of Tai Chi and Qigong in Older Adults, West J Nurs Res. 2009 March; 31(2): 245–279. doi:10.1177/0193945908327529.
44. Röthig P. (Hrsg.): Sportwissenschaftliches Lexikon, Verlag Karl Hofmann, 1992, Schorndorf
45. Rotstein A, Harush M, Vaisman N: The effect of a water exercise program on bone density of postmenopausal women. J Sports Med Phys Fitness. 2008 Sep;48(3):352-9
46. Runge M.: Die multifaktorielle Pathogenese von Gehstörungen, Stürzen und Hüftfrakturen im Alter, in: Zeitschrift für Gerontologie und Geriatrie, 1997, Band 30 Heft 4, S.267-273
47. Schlicht J, Camaione D., Owen S: Effect of Intense Strength Training on Standing Balance, Walking Speed, and Sit-to-Stand Performance in Older Adults, in: Journal of Gerontology: Medical Sciences, 2001, Vol. 56A, Nr. 5, M281-M286
48. Schwesig R. et al.: Sensomotorisches Training im Alter und bei Osteoporose, in Bewegungstherapie und Gesundheitssport, 2006, 22, S. 62-68
49. Siegrist M, Lammel C, Jeschke D: Krafttraining an konventionellen bzw. oszillierenden Geräten und Wirbelsäulengymnastik in der Prävention der Osteoporose bei postmenopausalen Frauen, Deutsche Zeitschrift für Sportmedizin, 2006, Jg. 57, Nr. 7/8, S.182-188
50. Sinaki M: Musculoskeletal Rehabilitation in Patient with Osteoporosis – Rehabilitation of Osteoporosis Program-Exercise (ROPE), Journal für Mineralstoffwechsel, 2010; 17(2), 60-65
51. Skelton DA et al., Strength, power and related functional ability of healthy people aged 65-89 years, Age and Ageing, 1994; 23; 371-377
52. Skelton D. A., Beyer N.: Exercise and injury prevention in older people, in: Scandinavian Journal of Medicine and Science in Sports, 2003, 13, S.77-85
53. Slatkovska L, Alibhai SM, Beyene J, Cheung AM.: Effect of whole-body vibration on BMD: a systematic review and meta-analysis. Osteoporos Int. 2010 Apr 21. [Epub ahead of print]
54. Strass D., Granacher U.: Auswirkungen von sensomotorischem Training im Alter auf die Maximal- und Explosivkraft, Zeitschrift für Sportmedizin, 2000, Jg. 58, Nr. 12 S. 446-451
55. Teixeira LE, Silva KN, Imoto AM, Teixeira TJ, Kayo AH, Montenegro-Rodrigues R, Peccin MS, Trevisani VF.: Progressive load training for the quadriceps muscle associated with proprioception exercises for the prevention of falls in postmenopausal women with osteoporosis: a randomized controlled trial. Osteoporosis International. 2009 Jun 27. [Epub ahead of print]

56. Toulotte C, Thevenon A, Watelain E, Fabre C: Identification of healthy elderly fallers and non-fallers by gait analysis under dual-task conditions Clin Rehabil. 2006 Mar;20(3):269-76
57. Tragl, K.: Stürze im Alter, Wilhelm-Maudrich, 2001, Wien
58. Tsukahara, N : Toda, A : Goto, J : Ezawa, I Cross-sectional and longitudinal studies on the effect of water exercise in controlling bone loss in Japanese postmenopausal women J-Nutr-Sci-Vitaminol-(Tokyo). 1994 Feb; 40(1): 37-47
59. Van den Berg F., Wulf D.: Angewandte Physiologie 6 – Alterungsprozesse und das Alter verstehen, Thieme, 2008, Stuttgart
60. Verfaillie, Nichols, Turkel, Hovell: Effects of resistance, Balance and Gait training on Reduction of Risk Factors leading to Falls in the Elderly, Journal of Ageing and Physical Activity, 1997, Vol. 5, No. 3, 213-228
61. von Stengel S, Kemmler W, Mayer S, Engelke K, Klärner A, Kalender WA: Effect of whole body vibration exercise on osteoporotic risk factors, Deutsche Medizinische Wochenschrift, 2009, Jul;134(30):1511-6
62. Werle J., Zimber A.: Sturzprophylaxe durch Bewegungssicherheit im Alter: Konzeption und Effektivitätsprüfung eines sensomotorischen Interventionsprogramms bei Osteoporose-Patientinnen. Zeitschrift für Gerontologie und Geriatrie, 1999, Jg. 32, Nr.5, S. 348-357
63. Wolf LA, Barnhart HX, Kutner NG, et al.: Reducing frailty and falls in older persons: an investigation of Tai Chi and computerized balance training, J AM Geriatr Soc., 1996, 44:4, 489-497
64. Ziganek-Soehlke: STUBS – Sturzprophylaxe durch Bewegungsschulung: Mehr Bewegungssicherheit im Alltag, Pflaum, 2008