

BEVEGELSESVITENSKAP (FYST 332), VÅRSEMESTERET 2017 (10 studiepoeng)

*Litteratur i [klammeparentes] gjelder bøker som må anskaffes separat. Det lages ikke kompendium til dette kurset, men litteratur med link finnes i fulltekst på nettet. Artikler som ikke er tilgjengelig i fulltekst står i kursiv med *. Disse finnes som PDF-filer hos kursansvarlig.*

[Carel, H. (2008). *Illness. The cry of the flesh*. Chapter 1: The body in illness, pp. 19-37. Durham: Acumen Publishers Limited.]

Cramer, S. C., et al. (2011). "Harnessing neuroplasticity for clinical applications." *Brain* 134(6): 1591-1609. <http://brain.oxfordjournals.org/content/134/6/1591.abstract>

Cummings, S. R., et al. (2014). "A diagnosis of dismobility—giving mobility clinical visibility: A mobility working group recommendation." *JAMA* 311(20): 2061-2062.
<http://jama.jamanetwork.com/article.aspx?articleid=1865472>

Dobkin B H: Strategies for stroke rehabilitation, *The Lancet Neurology* vol 3, Sept 2004: 528-536
<http://www.ncbi.nlm.nih.gov/pubmed/15324721?dopt=Citation&otool=inoulib>

*Geurts AC, Mulder TW, Rijken RA, Nienhuis B. *From the analysis of movements to the analysis of skills. Bridging the gap between laboratory and clinic.* *J Rehabil Sci* 1991; 4(1):9-12.

Gjelsvik B, Breivik K, Verheyden G, Smedal T, Hofstad H, Strand LI. The Trunk Impairment Scale - modified to ordinal scales in the Norwegian version. *Disabil Rehabil.* 2012;34(16):1385-95. Epub 2011 Dec 23. <http://www.ncbi.nlm.nih.gov/pubmed/22191850>

Granat MH. Event-based analysis of free-living behaviour. *Physiol Meas.* 2012 Nov;33(11):1785-800. doi: 10.1088/0967-3334/33/11/1785. Epub 2012 Oct 31.
<http://www.ncbi.nlm.nih.gov/pubmed/23110873>

Hadders-Algra M : The neuronal group selection theory: promising principles for understanding and treating developmental motor disorders. *Developmental Medicine and Child Neurology* 2000; 42:707-715.
<http://www.ncbi.nlm.nih.gov/pubmed/11085302?dopt=Citation&otool=inoulib>

Hausdorff JM, Rios DA, Edelberg HK. Gait variability and fall risk in community-living older adults: a 1-year prospective study. *Arch Phys Med Rehabil.* 2001 Aug;82(8):1050-6.
<http://www.ncbi.nlm.nih.gov/pubmed/11494184>

Hubbard IJ, Parsons MW, Neilson C and Carey LM 2009 Task-specific training: evidence for and translation to clinical practice. *Occup Ther Int* 16: 175-189.
<http://www.ncbi.nlm.nih.gov/pubmed/19504501?dopt=Citation>

Helbostad JL, Leirfall S, Moe-Nilssen R, Sletvold O. Physical fatigue affects gait characteristics in older persons. *J Gerontol A Biol Sci Med Sci* 2007 Sep;62(9):1010-5. (NB tilgjengelig via Helsebiblioteket)
<http://www.ncbi.nlm.nih.gov.proxy.helsebiblioteket.no/pubmed?term=helbostad%20leirfall>

Hodges PW, Cresswell AG, Daggfeldt K, Torstenesson A: Three dimensional preparatory trunk motion precedes asymmetrical upper limb movement. *Gait and Posture* 2000; 11(2):92-101.
<http://www.ncbi.nlm.nih.gov/pubmed/10899662?dopt=Citation&otool=inoulib>

Horak, F., et al. (2015). "Role of body-worn movement monitor technology for balance and gait rehabilitation." *Phys Ther* 95(3): 461-470. <http://www.ncbi.nlm.nih.gov/pubmed/25504484>

<http://ptjournal.apta.org/content/95/3/461.full.pdf>

Kleim JA and Jones TA. 2008 Principles of experience-dependent neural plasticity: implications for rehabilitation after brain damage. *J Speech Lang Hear Res.* 51(1):S225-39.

<http://jslhr.pubs.asha.org/article.aspx?articleid=1773394>

Kwakkel G, Kollen B and Lindeman E 2004 Understanding the pattern of functional recovery after stroke: facts and theories. *Restor Neurol Neurosci* 22: 281-299.

<http://www.ncbi.nlm.nih.gov/pubmed/15502272?dopt=Citation>

Latash ML, Anson JG. Synergies in health and disease: relations to adaptive changes in motor coordination. *Phys Ther* 2006; 86(8):1151-1160.

<http://www.ncbi.nlm.nih.gov/pubmed/16879049?dopt=Citation&otool=inoublib>

[Leder, D. (1990). *The Absent Body*. Introduction, pp. 1-8. Chicago: The University of Chicago Press.]

Leveille SG, Jones RN, Kiely DK, Hausdorff JM, Shmerling RH, Guralnik JM, Kiel DP, Lipsitz LA, Bean JF. Chronic musculoskeletal pain and the occurrence of falls in an older population. *JAMA.* 2009 Nov 25;302(20):2214-21. doi: 10.1001/jama.2009.1738.

<http://www.ncbi.nlm.nih.gov/pubmed/19934422>

Lee TD, Swanson LR, Hall AL: What is repeated in a repetition? Effects of practice conditions on motor skill acquisition. *Phys Ther* 1991;71(2):150-6.

<http://www.ncbi.nlm.nih.gov/pubmed/1989010?dopt=Citation&otool=inoublib>

Mancini M, Horak FB. The relevance of clinical balance assessment tools to differentiate balance deficits. *Eur J Phys Rehabil Med.* 2010 Jun;46(2):239-48.

<http://www.ncbi.nlm.nih.gov/pubmed/20485226>

Moe-Nilssen R. A new method for evaluating motor control in gait under real-life environmental conditions. Part 2: Gait analysis. *Clin Biomech* 1998; 13(4-5):328-335

<http://www.ncbi.nlm.nih.gov/pubmed/11415804?dopt=Citation&otool=inoublib>

Moe-Nilssen R, Helbostad JL, Talcott JB, Toennessen FE. Balance and gait in children with dyslexia. *Exp Brain Res* 2003; 150(2):237-244

<http://www.ncbi.nlm.nih.gov/pubmed/12682807?dopt=Citation&otool=inoublib>

Moe-Nilssen R, Helbostad JL. Interstride trunk acceleration variability but not step width variability can differentiate between fit and frail older adults. *Gait & Posture* 2004; 21:164-170.

<http://www.ncbi.nlm.nih.gov/pubmed/15639395?dopt=Citation&otool=inoublib>

Moe-Nilssen R, Aaslund MK, Hodt-Billington C, Helbostad JL. Gait variability measures may represent different constructs. *Gait Posture* 2010 May;32(1):98-101.

<http://www.ncbi.nlm.nih.gov/pubmed/20434916?dopt=Citation>

Morris ME: Current status of the motor program. *Phys Ther* 1994;74:738-52.

<http://www.ncbi.nlm.nih.gov/pubmed/8047562?dopt=Citation&otool=inoublib>

Nordin E, Moe-Nilssen R, Ramnemark A, Lundin-Olsson L. Changes in step-width during dual-task walking predicts falls. *Gait Posture.* 2010 May;32(1):92-7. doi: 10.1016/j.gaitpost.2010.03.012. Epub 2010 Apr 15.

<http://www.ncbi.nlm.nih.gov/pubmed/20399100>

Nowak, A. and R. E. Hubbard (2009). "Falls and frailty: lessons from complex systems." J R Soc Med 102(3): 98-102. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2746842/>

*Plummer AC. *Constraint-induced therapy and the motor learning literature that underpins its application. Physical Therapy Reviews* 2003; 8:143-149.

Pollock AS, Durward BR, Rowe PJ, Paul JP. What is balance? Clin Rehabil. 2000 Aug;14(4):402-6. <http://www.ncbi.nlm.nih.gov/pubmed/10945424>

Robinovitch SN, Feldman F, Yang Y, Schonnop R, Leung PM, Sarraf T, Sims-Gould J, Loughin M. Video capture of the circumstances of falls in elderly people residing in long-term care: an observational study. Lancet. 2013 Jan 5;381(9860):47-54. doi: 10.1016/S0140-6736(12)61263-X. Epub 2012 Oct 17. <http://www.ncbi.nlm.nih.gov/pubmed/23083889>

Sahrmann, S. A. "The Human Movement System: Our Professional Identity". Physical Therapy. 2014; 94. doi: 10.2522/ptj.20130319 <http://ptjournal.apta.org/content/early/2014/05/29/ptj.20130319.abstract>

*Schmidt RA: *Motor learning principles for physical therapy. In: Contemporary management of motor problems. Proceedings of the II STEP Conference 1990. USA: Foundation for Phys Ther, 1991:49-63.*

[Shumway-Cook A, Woollacott MH. Motor control: translating research into clinical practice. 5 th edition. Philadelphia: Lippincott Williams & Wilkins; 2017].

Taub E, Uswatte G, Elbert T. New treatments in neurorehabilitation founded on basic research. Nat Rev Neurosci 2002; 3(3):228-236. <http://www.ncbi.nlm.nih.gov/pubmed/11994754?dopt=Citation&otool=inoublib>

Thelen E: Motor development: A new synthesis. American Psychologist 1995;50:79-95. <http://www.ncbi.nlm.nih.gov/pubmed/7879990?dopt=Citation&otool=inoublib>

*Valvano J. *Activity-focused motor interventions for children with neurological conditions. Phys Occup Ther Pediatr* 2004; 24(1-2):79-107.

Wolf SL, Winstein CJ, Miller JP, Taub E, Uswatte G, Morris D, et al. Effect of constraint-induced movement therapy on upper extremity function 3 to 9 months after stroke: the EXCITE randomized clinical trial. JAMA 2006 Nov 1;296(17):2095-104. <http://jama.ama-assn.org/content/296/17/2095.full.pdf+html>

Wolfson L. Gait and balance dysfunction: a model of the interaction of age and disease. Neuroscientist 2001; 7(2):178-183. <http://www.ncbi.nlm.nih.gov/pubmed/11496928?dopt=Citation&otool=inoublib>