

**BEVEGELSESVITENSKAP (FYST 332), VÅRSEMESTERET 2018 (10 studiepoeng)**

*Litteratur i [klammeparentes] gjelder bøker. 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 i Litteraturkiosken.*

[Carel, H. (2008). *Illness. The cry of the flesh*. Chapter 1: The body in illness, pp. 19-37. Durham: Acumen Publishers Limited.] [https://bibsys-almaprimo.hosted.exlibrisgroup.com/UBB:default\\_scope:BIBSYS\\_ILS71524450510002201](https://bibsys-almaprimo.hosted.exlibrisgroup.com/UBB:default_scope:BIBSYS_ILS71524450510002201)

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. (2004) Strategies for stroke rehabilitation, *The Lancet Neurology*. 3: 528-536  
<http://www.ncbi.nlm.nih.gov/pubmed/15324721?dopt=Citation&otool=inoublib>

\*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. (2012) Event-based analysis of free-living behaviour. *Physiol Meas*. 33(11):1785-800.  
<http://www.ncbi.nlm.nih.gov/pubmed/23110873>

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

Hausdorff JM, Rios DA, Edelberg HK. (2001) Gait variability and fall risk in community-living older adults: a 1-year prospective study. *Arch Phys Med Rehabil*. 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. (2007) Physical fatigue affects gait characteristics in older persons. *J Gerontol A Biol Sci Med Sci* 62(9):1010-5. (NB tilgjengelig via Helsebiblioteket)  
<http://www.ncbi.nlm.nih.gov.proxy.helsebiblioteket.no/pubmed?term=helbostad%20leirfall>

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>

Kenyon, LK and MT Blackinton (2011). "Applying motor-control theory to physical therapy practice: a case report." *Physiotherapy Canada* 63(3): 345-354. <http://www.ncbi.nlm.nih.gov/pubmed/22654241>

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

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

[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. (2009) Chronic musculoskeletal pain and the occurrence of falls in an older population. *JAMA*. 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. (1991) What is repeated in a repetition? Effects of practice conditions on motor skill acquisition. *Phys Ther*;71(2):150-6.

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

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

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

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

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

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

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

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

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

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

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

Nordin E, Moe-Nilssen R, Ramnemark A, Lundin-Olsson L. (2010) Changes in step-width during dual-task walking predicts falls. *Gait Posture*; 32(1):92-7. <http://www.ncbi.nlm.nih.gov/pubmed/20399100>

Nowak, A, Hubbard R.E. (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. (2003) Constraint-induced therapy and the motor learning literature that underpins its application. *Physical Therapy Reviews*; 8:143-149. [https://bibsys-almaprimo.hosted.exlibrisgroup.com:443/UBB:default\\_scope:TN\\_crossref10.1179/108331903225002498](https://bibsys-almaprimo.hosted.exlibrisgroup.com:443/UBB:default_scope:TN_crossref10.1179/108331903225002498)

Pollock AS, Durward BR, Rowe PJ, Paul JP. (2000) What is balance? *Clin Rehabil*.;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. (2013) Video capture of the circumstances of falls in elderly people residing in long-term care: an observational study. *Lancet*. 5;381(9860):47-54. <http://www.ncbi.nlm.nih.gov/pubmed/23083889>

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

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

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

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

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

Valvano J. (2004) Activity-focused motor interventions for children with neurological conditions. *Phys Occup Ther Pediatr*; 24(1-2):79-107. [https://bibsys-almaprimo.hosted.exlibrisgroup.com:443/UBB:default\\_scope:TN\\_ericEJ873047](https://bibsys-almaprimo.hosted.exlibrisgroup.com:443/UBB:default_scope:TN_ericEJ873047)

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

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