

## Mekanisk påvirkning af cellen

**Referenceliste til artikel bragt i Fysioterapeuten nr. 22 2006. Af Torben Lund og Henning Langberg**

1. Lederman E. The Science and Practice of Manual Therapy. second ed. Elsevier Churchill Livingstone; 2005.
2. Dryden T, Baskwill A, Preyde M. Massage therapy for the orthopaedic patient: a review. *Orthop Nurs* 2004 Sep;23(5):327-32.
3. Ingber DE. Tissue adaptation to mechanical forces in healthy, injured and aging tissues. *Scand J Med Sci Sports* 2005 Aug;15(4):199-201.
4. Ingber DE. Cellular mechanotransduction: putting all the pieces together again. *FASEB J* 2006 May;20(7):811-27.
5. Janmey PA, Weitz DA. Dealing with mechanics: mechanisms of force transduction in cells. *Trends Biochem Sci* 2004 Jul;29(7):364-70.
6. Alenghat FJ, Ingber DE. Mechanotransduction: all signals point to cytoskeleton, matrix, and integrins. *Sci STKE* 2002 Feb 12;2002(119):E6.
7. Ko KS, McCulloch CA. Intercellular mechanotransduction: cellular circuits that coordinate tissue responses to mechanical loading. *Biochem Biophys Res Commun* 2001 Aug 3;285(5):1077-83.
8. Grinnell F. Fibroblast biology in three-dimensional collagen matrices. *Trends Cell Biol* 2003 May;13(5):264-9.
9. Jiang H, Grinnell F. Cell-matrix entanglement and mechanical anchorage of fibroblasts in three-dimensional collagen matrices. *Mol Biol Cell* 2005 Nov;16(11):5070-6.
10. Pedersen JA, Swartz MA. Mechanobiology in the third dimension. *Ann Biomed Eng* 2005 Nov;33(11):1469-90.
11. Orr AW, Helmke BP, Blackman BR, Schwartz MA. Mechanisms of mechanotransduction. *Dev Cell* 2006 Jan;10(1):11-20.
12. Luby-Phelps K. Cytoarchitecture and physical properties of cytoplasm: volume, viscosity, diffusion, intracellular surface area. *Int Rev Cytol* 2000;192:189-221.
13. Pollack GH. Cells, Gels and the Engines of Life. Seattle, Washington: Ebner & Sons; 2001.
14. Ling GN. Life at the Cell and Below-Cell Level: The Hidden History of a Fundamental Revolution in Biology. New York: Pacific Press; 2001.

15. Chaplin M. The Importance of Cell Water. ISIS Press Release 2004.
16. Ingber DE. The architecture of life. *Sci Am* 1998 Jan;278(1):48-57.
17. Ingber DE. The mechanochemical basis of cell and tissue regulation. *Mech Chem Biosyst* 2004 Mar;1(1):53-68.
18. Oschman J. Energy Medicine in Therapeutics and Human Performance. Butterworth-Heinemann; 2003.
19. Horwitz AF. Integrins and health. *Sci Am* 1997 May;276(5):68-75.
20. Oschman J. Energy Medicine The Scientific Basis. Edinburg: Churchill Livingstone; 2000.
21. Ingber DE. Mechanical control of tissue growth: function follows form. *Proc Natl Acad Sci U S A* 2005 Aug 16;102(33):11571-2.
22. Langevin HM, Bouffard NA, Badger GJ, Churchill DL, Howe AK. Subcutaneous tissue fibroblast cytoskeletal remodeling induced by acupuncture: evidence for a mechanotransduction-based mechanism. *J Cell Physiol* 2006 Jun;207(3):767-74.
23. Langevin HM, Churchill DL, Cipolla MJ. Mechanical signaling through connective tissue: a mechanism for the therapeutic effect of acupuncture. *FASEB J* 2001 Oct;15(12):2275-82.
24. Jensen PV, Prentø P. Cellebiologi, Cellens organisation og livsprocesser. 2 ed. København: Gads Forlag; 2003.
25. Scott JA. The role of cytoskeletal integrity in cellular transformation. *J Theor Biol* 1984 Jan 21;106(2):183-8.
26. Parsons J, Marcer N. Osteopathy : models for diagnosis, treatment and practice. Edinburgh: Churchill Livingstone; 2006.
27. Pienta KJ, Coffey DS. Nuclear-cytoskeletal interactions: evidence for physical connections between the nucleus and cell periphery and their alteration by transformation. *J Cell Biochem* 1992 Aug;49(4):357-65.
28. Pienta KJ, Coffey DS. Cellular harmonic information transfer through a tissue tensegrity-matrix system. *Med Hypotheses* 1991 Jan;34(1):88-95.
29. Kumar S, Maxwell IZ, Heisterkamp A, Polte TR, Lele TP, Salanga M, et al. Viscoelastic retraction of single living stress fibers and its impact on cell shape, cytoskeletal organization, and extracellular matrix mechanics. *Biophys J* 2006 May 15;90(10):3762-73.
30. Ingber DE. Tensegrity I. Cell structure and hierarchical systems biology. *J Cell Sci* 2003 Apr 1;116(Pt 7):1157-73.
31. Galli C, Guizzardi S, Passeri G, Macaluso GM, Scandroglio R. Life on the wire: on tensegrity and force balance in cells. *Acta Biomed Ateneo Parmense* 2005 Apr;76(1):5-12.

32. Ingber DE. Opposing views on tensegrity as a structural framework for understanding cell mechanics. *J Appl Physiol* 2000 Oct;89(4):1663-70.
33. Schwartz P, Eriksen E, Thorsen K. Bone tissue - bone training. *Textbook of Sports Medicine, Basic science and clinical aspects of sports injury and physical activity*. Kjær M ed. 2003. p. 173-86.
34. Langberg H, Skovgaard D, Petersen LJ, Bulow J, Kjaer M. Type I collagen synthesis and degradation in peritendinous tissue after exercise determined by microdialysis in humans. *J Physiol* 1999 Nov 15;521 Pt 1:299-306.
35. Langberg H, Skovgaard D, Asp S, Kjaer M. Time pattern of exercise-induced changes in type I collagen turnover after prolonged endurance exercise in humans. *Calcif Tissue Int* 2000 Jul;67(1):41-4.
36. Langberg H, Rosendal L, Kjaer M. Training-induced changes in peritendinous type I collagen turnover determined by microdialysis in humans. *J Physiol* 2001 Jul 1;534(Pt 1):297-302.
37. Langberg H, Ellingsgaard H, Madsen T, Jansson J, Magnusson P, Aagaard P, et al. Eccentric rehabilitation exercise increases peritendinous type I collagen synthesis in humans with Achilles tendinosis. *Scand J Med Sci Sports* 2006 Jun 19.