

Representative Publications

1. Leong J.C.Y., Luk K.D.K., **Chow D.H.K.**, Woo C.W. (1987). The biomechanical functions of the iliolumbar ligament in maintaining stability of the lumbosacral junction. *Spine* 12(7):669-674.
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3. Luk K.D.K., **Chow D.H.K.**, Evans J.H., Leong J.C.Y. (1995). Lumbar spinal mobility after short anterior interbody fusion. *Spine* 20(7):813-818.
4. **Chow D.H.K.**, Luk K.D.K., Evans J.H., Leong J.C.Y. (1996). Effects of short anterior lumbar interbody fusion on biomechanics of neighbouring unfused segments. *Spine* 21(5):549-555.
5. Luk K.D.K., Ruan D.K., **Chow D.H.K.**, Leong J.C.Y. (1997). Intervertebral disc autografting in a bipedal animal model. *Clinical Orthopaedics and Related Research* 337: 13-26.
6. Sin S.W., **Chow D.H.K.**, Cheng J.C.Y. (1999). A new alignment jig for quantification and prescription of three-dimensional alignment for the patellar-tendon-bearing trans-tibial prosthesis. *Prosthetics and Orthotics International* 23(3): 225-230.
7. **Chow D.H.K.**, Cheng C.T.K. (2000). Quantitative analysis of the effects of audio biofeedback on weight-bearing characteristics of persons with transtibial amputation during early prosthetic ambulation. *Journal of Rehabilitation Research and Development* 37(3): 255-260.
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9. Leung K.S., Siu W.S., Cheung N.M., Lui P.Y., **Chow D.H.K.**, James A., Qin L. (2001). Goats as osteoporotic animal model. *Journal of Bone and Mineral Research* 16(12): 2348-2355.
10. Cheng J.C.Y., Guo X., Law L.P., Lee K.M., **Chow D.H.K.**, Rosier R. (2002). How does recombinant human bone morphogenetic protein-4 enhanced posterior spinal fusion? *Spine* 27(5): 467-474.
11. **Chow D.H.K.**, Holmes A.D., Tse A.T.K. (2002). Sudden release during a pulling task: The effects of release load on stance perturbation and recovery. *Gait and Posture* 15(3): 266-273.
12. Guo X., Lee K.M., Law L.P., **Chow D.H.K.**, Rosier R., Cheng J.C.Y. (2002). Recombinant human bone morphogenetic protein-4 (rhBMP-4) enhanced posterior spinal fusion without decortication. *Journal of Orthopaedic Research* 20: 740-746.
13. Ching C.T.S., **Chow D.H.K.**, Yao F.Y.D., Holmes A.D. (2003). The effect of cyclic compression on the mechanical properties of the inter-vertebral disc: An in vivo study in a rat-tail model. *Clinical Biomechanics* 18: 182-189.
14. Luk K.D.K., **Chow D.H.K.**, Holmes A.D. (2003). Vertical instability in spondylolisthesis: A traction radiographic assessment technique and the principle of management. *Spine* 28(8): 819-827.
15. Cheung J.T.M., Zhang M., **Chow D.H.K.** (2003). Biomechanical responses of the intervertebral joints to static and vibrational loading: a finite element study. *Clinical Biomechanics* 18: 790-799.
16. Yeung C.K.N., Leung M.C.P., **Chow D.H.K.** (2003). The use of electro-acupuncture in conjunction with exercise for the treatment of chronic low back pain. *The Journal of Alternative and Complementary Medicine* 9(4): 479-490.
17. **Chow D.H.K.**, Cheng A.C.S., Holmes A.D., Evans J.H. (2003). The effects of release height on postural and trunk muscle response following sudden release of stoop lifting tasks. *Applied Ergonomics* 34(6): 611-619.
18. **Chow D.H.K.**, Luk K.D.K., Holmes A.D., Li X.F., Tam S.C.W. (2004). Multi-planar bending properties of lumbar intervertebral joints following cyclic bending. *Clinical Biomechanics* 19(2): 99-106.
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20. Ching C.T.S., **Chow D.H.K.**, Yao F.Y.D., Holmes A.D. (2004). Changes in nuclear composition following cyclic compression of the intervertebral disc in an in vivo rat-tail model. *Medical Engineering & Physics* 26(7): 587-594.
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28. Wong T.F.Y., **Chow D.H.K.**, Holmes A.D., Cheung K.M.C. (2006). The feasibility of repositioning ability as a tool for ergonomic evaluation: Effects of chair back inclination and fatigue on head repositioning. *Ergonomics* 49(9):860-873.
29. **Chow D.H.K.**, Kwok M.L.Y., Cheng J.C.Y., Lao M.L.M., Holmes A.D., Au-Yang A.C.K., Yao F.Y.D., Wong M.S. (2006). The effect of backpack weight on the standing posture and balance of schoolgirls with adolescent idiopathic scoliosis and normal controls. *Gait & Posture* 24(2):173-181.
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34. **Chow D.H.K.**, Leung K.T.Y., Holmes A.D. (2007). Changes in spinal curvature and proprioception of schoolboys carrying different weights of backpack. *Ergonomics* 50(12):2148-2156.
35. Wong M.S., Cheng C.Y., Ng B.K., Lam T.P., Sin S.W., Lee-Shum L.F., **Chow D.H.K.**, Tam Y.P. (2008). The effect of rigid versus flexible spinal orthosis on the gait pattern of patients with adolescent idiopathic scoliosis. *Gait & Posture* 27(2):189-195.
36. Lai A., **Chow D.H.K.**, Siu W.S., Holmes A.D., Tang F.H., Leung M.C.P. (2008). Effects of electroacupuncture on degenerated intervertebral disc using an in-vivo rat-tail model. *Proceedings of the Institution of Mechanical Engineers, Part H, Journal of Engineering in Medicine* 222:241-248.
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38. Magnusson M.L., **Chow D.H.K.**, Diamandopoulos Z., Pope M.H. (2008). Motor control learning in chronic low back pain. *Spine* 33(16):E532-538.