

Beyond the pelvic floor reference list

Refereed journal articles

- A1 **Hodges, PW.,** & Richardson, CA. (1993) The influence of isometric hip adduction on quadriceps femoris activity. *Scandinavian Journal of Rehabilitation Medicine*, 25(2):57-62. **IF=1.068**
- A2 **Hodges, PW.,** & Bui, BH. (1996) A comparison of computer-based methods for the determination of onset of muscle contraction using electromyography. *Electroencephalography and Clinical Neurophysiology*, 101(6):511-519. **IF=2.485**
- A3 **Hodges, PW.,** Richardson, CA., & Jull, GA. (1996) Evaluation of the relationship between laboratory and clinical tests of transversus abdominis function. *Physiotherapy Research International*, 1(1):30-40. **IF=NA**
- A4 **Hodges, PW.,** & Richardson, CA. (1996) Inefficient muscular stabilization of the lumbar spine associated with low back pain. A motor control evaluation of transversus abdominis. *Spine*, 21(22):2640-2650. **IF=2.676**
- A5 **Hodges, PW.,** Butler, JE., McKenzie, DK., Gandevia, SC. (1997) Contraction of the human diaphragm during rapid postural adjustments. *Journal of Physiology*, 505(Pt2):539-548. **IF=4.352**
- A6 **Hodges, PW.,** Gandevia, SC., & Richardson, CA. (1997) Contractions of specific abdominal muscles in postural tasks are affected by respiratory maneuvers, *Journal of Applied Physiology*, 83(3):753-760. **IF=3.027**
- A7 **Hodges, PW.,** Kippers, V., & Richardson, CA. (1997) Validation of a technique for accurate fine-wire electrode placement into posterior gluteus medius using real-time ultrasound guidance. *Electromyography and Clinical Neurophysiology*, 36:1-9. **IF=NA**
- A8 **Hodges, PW.,** & Richardson, CA. (1997) Contraction of the abdominal muscles associated with movement of the lower limb. *Physical Therapy*, 77(2):132-142. **IF=1.592**
- A9 **Hodges, PW.,** & Richardson, CA. (1997) Feedforward contraction of transversus abdominis is not influenced by the direction of arm movement. *Experimental Brain Research*, 114(2):362-370. **IF=2.302**
- A10 **Hodges, PW.,** & Richardson, CA. (1997) Relationship between limb movement speed and associated contraction of the trunk muscles. *Ergonomics*, 40(11):1220-1230. **IF=0.853**
- A11 **Hodges, PW.,** & Richardson, CA. (1998) Delayed postural contraction of transversus abdominis in low back pain associated with movement of the lower limb. *Journal of Spinal Disorders*, 11(1):46-56. **IF=0.736**
- A12 **Hodges, PW.,** Cresswell, AG. & Thorstensson, A. (1999) Preparatory trunk motion accompanies rapid upper limb movement. *Experimental Brain Research*, 124(1):69-79. **IF=2.302**
- A13 **Hodges, PW.,** Richardson, CA. (1999) Transversus abdominis and the superficial abdominal muscles are controlled independently in a postural task. *Neuroscience Letters*, 265(2):91-94. **IF=1.967**
- A14 **Hodges, PW.,** & Richardson, CA. (1999) Altered trunk muscle recruitment in people with low back pain with upper limb movement at different speeds. *Archives of Physical Medicine and Rehabilitation*, 80(9):1005-1012. **IF=1.350**
- A15 Cowan, S. M., Bennell, K. L. & **Hodges, P. W.** (2000). The test-retest reliability of the onset of concentric and eccentric vastus medialis obliquus and vastus lateralis activity in a stair stepping task. *Physical Therapy in Sport*, 1:129-136. **IF=NA**
- A16 **Hodges, PW.,** Cresswell, AG., Daggfeldt, K., & Thorstensson, A. (2000) Three dimensional preparatory trunk motion precedes asymmetrical upper limb movement. *Gait and Posture*, 11(2):92-101. **IF=1.585**
- A17 **Hodges, PW.,** & Gandevia, SC. (2000) Activation of the human diaphragm during a repetitive postural task. *Journal of Physiology*, 522(Pt1):165-175. **IF=4.352**

- A18 **Hodges, PW.,** & Gandevia, SC. (2000) Pitfalls of intramuscular electromyographic recordings from the human costal diaphragm. *Clinical Neurophysiology*, 111(8):1420-1424. **IF=2.485**
- A19 **Hodges, PW.,** & Gandevia, SC. (2000) Changes in intra-abdominal pressure during postural and respiratory activation of the human diaphragm. *Journal of Applied Physiology*, 89(3):967-976. **IF=3.027**
- A20 Cowan, SM., Bennell, KL., **Hodges, PW.,** Crossley, KM. & McConnell, J. (2001). Delayed onset of electromyographic activity of vastus medialis obliquus relative to vastus lateralis in subjects with patellofemoral pain syndrome, *Archives of Physical Medicine and Rehabilitation*, 82(2):183-189. **IF=1.350**
- A21 **Hodges, PW.** (2001) Changes in motor planning of feedforward postural responses of the trunk muscles in low back pain. *Experimental Brain Research*, 141(2):261-266. **IF=2.302**
- A22 **Hodges, PW.,** Cresswell, AG., Daggfeldt, K., & Thorstensson, A. (2001) In vivo measurement of the effect of intra-abdominal pressure on the human spine. *Journal of Biomechanics*, 34(3):347-353. **IF=2.005**
- A23 **Hodges, PW.,** Cresswell, AG. & Thorstensson, A. (2001) Perturbed upper limb movements cause short-latency postural responses in trunk muscles. *Experimental Brain Research*, 138(2):243-250. **IF=2.302**
- A24 **Hodges, PW.,** Heijnen, I., & Gandevia, SC. (2001) Postural activity of the diaphragm is reduced in humans when respiratory demand increases. *Journal of Physiology*, 537(Pt3):999-1008. **IF=4.352**
- A25 Huang, QM., **Hodges, PW.,** & Thorstensson, A. (2001) Postural control of the trunk in response to lateral support surface translations during trunk movement and loading. *Experimental Brain Research*, 141(4):552-559. **IF=2.302**
- A26 Sapsford, RR., & **Hodges, PW.** (2001) Contraction of the pelvic floor muscles during abdominal maneuvers. *Archives of Physical Medicine and Rehabilitation*, 82(8):1081-1088. **IF= 1.350**
- A27 Sapsford, RR., **Hodges, PW.,** Richardson, CA., Cooper, DH., Markwell, SJ., & Jull, GA. (2001) Co-activation of the abdominal and pelvic floor muscles during voluntary exercises. *Neurourology and Urodynamics*, 20(1):31-42. **IF=2.927**
- A28 Cowan, S. M., **Hodges, P. W.** & Bennell, K. L. (2001) Anticipatory activity of vastus lateralis and vastus medialis obliquus occurs simultaneously in voluntary heel and toe raises. *Physical Therapy in Sport*, 2:71-79. **IF=NA**
- A29 Cowan, SM., **Hodges, PW.,** Bennell, KL., & Crossley, KM. (2002) Altered vastii recruitment when people with patellofemoral pain syndrome complete a postural task. *Archives of Physical Medicine and Rehabilitation*, 83(7):989-995. **IF= 1.350**
- A30 Cowan, SM., Bennell, KL., & **Hodges, PW.** (2002) Therapeutic patellar taping changes the timing of vasti muscle activation in people with patellofemoral pain syndrome. *Clinical Journal of Sports Medicine*, 12(6):339-347. **IF=NA**
- A31 Cowan, SM., Bennell, KL., Crossley, KM., **Hodges, PW.** & McConnell, J. (2002) Physical therapy alters recruitment of the vasti in patellofemoral pain syndrome. *Medicine and Science in Sports and Exercise*, 34(12):1879-1885. **IF=2.591**
- A32 **Hodges, PW.,** Gurfinkel, VS., Brumagne, S., Smith, TC., & Cordo, PC. (2002) Coexistence of stability and mobility in postural control: evidence from postural compensation for respiration. *Experimental Brain Research*, 144(3):293-302. **IF=2.302**
- A33 Moseley, GL., **Hodges, PW.,** & Gandevia, SC. (2002) Deep and superficial fibers of the lumbar multifidus muscle are differentially active during voluntary arm movements. *Spine*, 27(2):E29-36. **IF=2.676**
- A34 Cowan, SM., Bennell, KL., **Hodges, PW.,** Crossley, KM. & McConnell, J. (2003) Simultaneous feedforward recruitment of the vasti in untrained postural tasks can be restored by physical therapy. *Journal of Orthopaedic Research*, 21(3):553-558. **IF= 2.167**

- A35 Cordo, P.J., Gurfinkel, V.S., Smith, T.C., **Hodges, P.W.**, Verscueren, S.M.P., & Brumagne, S. (2003) The sit-up: Complex kinematics and muscle activity in voluntary axial movement. *Journal of Electromyography and Kinesiology*, 13(3):239-252. **IF=1.352**
- A36 Grimstone, S.K., & **Hodges, P.W.** (2003) Impaired postural compensation for respiration in people with recurrent low back pain. *Experimental Brain Research*, 151(2):218-224. **IF=2.302**
- A37 **Hodges, P.**, Kaigle Holm, A., Holm, S., Ekström, L., Cresswell, A., Hansson, T., & Thorstensson, A. (2003) Intervertebral stiffness of the spine is increased by evoked contraction of transversus abdominis and the diaphragm: In vivo porcine studies. *Spine*, 28(23):2594-2601. **IF=2.676**
- A38 **Hodges, P.W.**, Moseley, G.L., Gabrielsson, A., & Gandevia, S.C. (2003) Experimental muscle pain changes feedforward postural responses of the trunk muscles. *Experimental Brain Research*, 151(2):262-271. **IF=2.302**
- A39 **Hodges, P.W.**, Pengel, L.H., Herbert, R.D. & Gandevia, S.C. (2003) Measurement of muscle contraction with ultrasound imaging. *Muscle and Nerve*, 27(6):682-692. **IF=2.282**
- A40 Hungerford, B., Gilleard, W., & **Hodges P.** (2003) Evidence of altered lumbopelvic muscle recruitment in the presence of sacroiliac joint pain. *Spine*, 28(14):1593-1600. **IF=2.676**
- A41 Moseley, G.L., Brhyn, L., Ilowiecki, M., Solstad, K., & **Hodges P.W.** (2003) The threat of predictable and unpredictable pain: differential effects on central nervous system processing? *Australian Journal of Physiotherapy*, 49(4):263-267. **IF=0.918**
- A42 Moseley, G.L., **Hodges, P.W.**, & Gandevia, S.C. (2003) External perturbation of the trunk in standing humans differentially activates components of the medial back muscles. *Journal of Physiology*, 547(Pt2):581-587. **IF=4.352**
- A43 Shirley, D., **Hodges, P.W.**, Eriksson, A.E.M., & Gandevia, S.C. (2003) Spinal stiffness changes throughout the respiratory cycle. *Journal of Applied Physiology* 95(4):1467-1475. **IF=3.027**
- A44 Stensdotter, A.K., **Hodges, P.W.**, Mellor, R., Sundelin, G. & Häger-Ross, C. (2003) Quadriceps activation in closed and in open kinetic chain exercise. *Medicine and Science in Sports and Exercise*, 35(12):2043-2047. **IF=2.591**
- A45 Bennell, K., **Hodges, P.**, Mellor, R., Bexander, C., Souvlis, T. (2004) The nature of anterior knee pain following injection of hypertonic saline into the infrapatellar fat pad. *Journal of Orthopaedic Research*, 22(1):116-121. **IF=2.167**
- A46 Chang, A.T., Boots, R., **Hodges, P.W.**, & Paratz, J. (2004) Standing with assistance of a tilt table in intensive care: A survey of Australian physiotherapy practice. *Australian Journal of Physiotherapy*, 50(1):51-54. **IF=0.918**
- A47 Chang, A.T., Boots, R.J., **Hodges, P.W.**, Thomas, P.J., & Paratz, J.D. (2004) Standing with the assistance of a tilt table improves minute ventilation in chronic critically ill patients. *Archives of Physical Medicine and Rehabilitation*, 85(12):1972-1976. **IF= 1.350**
- A48 Cowan, S.M., Schache, A.G., Brukner, P., Bennell, K.L., **Hodges, P.W.**, Coburn, P. & Crossley, K.M. (2004). Delayed onset of transversus abdominis in long-standing groin pain. *Medicine and Science in Sports and Exercise*, 36(12):2040-2045. **IF= 2.591**
- A49 Falla, D., Jull, G., & **Hodges, P.W.** (2004) Feedforward activity of the cervical flexor muscles during voluntary arm movements is delayed in chronic neck pain. *Experimental Brain Research*, 157(1): 43-48. **IF=2.302**
- A50 Falla, D.L., Jull, G.A., **Hodges, P.W.** (2004) Patients with neck pain demonstrate reduced electromyographic activity of the deep cervical flexor muscles during performance of the craniocervical flexion test. *Spine*, 29(19): 2108-2114. **IF=2.676**
- A51 Ferreira, P.H., Ferreira, M.L., & **Hodges P.W.** (2004) Changes in recruitment of the abdominal muscles in people with low back pain: ultrasound measurement of muscle activity. *Spine*, 29(22): 2560-2566. **IF=2.676**
- A52 **Hodges, P.W.**, Cresswell, A.G., & Thorstensson, A. (2004) Intra-abdominal pressure response to multidirectional support-surface translation. *Gait and Posture*, 20(2):163-170. **IF=1.585**

- A53 Mok, NW. Brauer, SG., & **Hodges, PW.** (2004) Hip strategy for balance control in quiet standing is reduced in people with low back pain. *Spine*, 29(6):E107-112. **IF=2.676**
- A54 Moseley, GL., Nicholas, MK. & **Hodges, PW.** (2004) Pain differs from non-painful attention-demanding or stressful tasks in its effect on postural control patterns of trunk muscles. *Experimental Brain Research*, 156(1):64-71. **IF=2.302**
- A55 Moseley, GL., Nicholas, MK. & **Hodges, PW.** (2004) A randomized controlled trial of intensive neurophysiology education in chronic low back pain. *Clinical Journal of Pain*. 20(5): 324-330. **IF=2.080**
- A56 Moseley, GL., Nicholas, MK. & **Hodges, PW.** (2004) Does anticipation of back pain predispose to back trouble? *Brain*, 127(Pt10): 2339-2347. **IF=7.967**
- A57 Saunders, SW., Rath, D., **Hodges, PW.** (2004) Postural and respiratory activation of the trunk muscles changes with mode and speed of locomotion. *Gait and Posture*, 20(3):280-290. **IF=1.585**
- A58 Bennell, K., Wee, E., Crossley, K., Stillman, B., & **Hodges, P.** (2005) Effects of experimentally-induced anterior knee pain on knee joint position sense in healthy individuals. *Journal of Orthopaedic Research*, 23(1):46-53. **IF= 2.167**
- A59 Bexander, CS., Mellor, R., & **Hodges, PW.** (2005) Effect of gaze direction on neck muscle activity during cervical rotation. *Experimental Brain Research*, 167(3):422-432. **IF=2.302**
- A60 Chang, AT., Boots, RJ., Brown MG., Paratz, JD., & **Hodges, PW.** (2005) Ventilatory changes following head-up tilt and standing in healthy subjects. *European Journal of Applied Physiology*, 95(5-6):409-417. **IF=1.332**
- A61 Chang, AT., Boots, RJ., Henderson, R., Paratz, JD., & **Hodges, PW.** (2005) Case report: inspiratory muscle training in chronic critically ill patients - a report of two cases. *Physiotherapy Research International* 10(4):222-226. **IF=NA**
- A62 Chang, AT., Boots, RJ., Brown MG., Paratz, J., & **Hodges, PW.** (2005) Reduced inspiratory muscle endurance following successful weaning from prolonged mechanical ventilation. *Chest*, 128(2):553-559. **IF=3.264**
- A63 Coppieters, MW., Kurz, K., Mortensen, TE., Richards, NL., Skaret, IÅ., McLaughlin, LM., & **Hodges, PW.** (2005) The impact of neurodynamic testing on the perception of experimentally induced muscle pain. *Manual Therapy*. 10(1):52-60. **IF=1.189**
- A64 Harris, AJ., Duxson, MJ., Butler, JE., **Hodges, PW.**, Taylor, JL., & Gandevia, SC. (2005) Muscle fiber and motor unit behavior in the longest human skeletal muscle. *Journal of Neuroscience*, 25(37):8528-8533. **IF= 7.907**
- A65 **Hodges, PW.**, Eriksson, AEM., Shirley, D. & Gandevia, SC. (2005) Intra-abdominal pressure increases stiffness of the lumbar spine. *Journal of Biomechanics*, 38(9):1873-1880. **IF= 2.005**
- A66 Knox, JJ. & **Hodges, PW.** (2005) Changes in head and neck position affect elbow joint position sense. *Experimental Brain Research*, 165(1):107-113. **IF=2.302**
- A67 Lee, LJ., Coppieters, MW., & **Hodges, PW.** (2005) Differential activation of the thoracic multifidus and longissimus thoracis during trunk rotation. *Spine*, 30(8):870-876. **IF=2.676**
- A68 MacGregor, K., Gerlach, S., Mellor, R., & **Hodges, PW.** (2005) Cutaneous stimulation from patella tape causes a differential increase in vasti muscle activity in people with patellofemoral pain. *Journal of Orthopaedic Research*, 23(2):351-358. **IF= 2.167**
- A69 Maher, CG., Latimer, J., **Hodges, PW.**, Refshauge, KM., Moseley, GL. Herbert, RD. Costa, LOP., & McAuley, J. (2005) The effect of motor control exercise versus placebo in patients with chronic low back pain. *BMC Musculoskeletal Disorders*, 6:54. **IF=?**
- A70 Mellor, R., & **Hodges, PW.** (2005) Motor unit synchronization of the vasti muscles in closed and open chain tasks. *Archives of Physical Medicine and Rehabilitation*, 86(4):716-721. **IF= 1.350**
- A71 Mellor, R. & **Hodges, PW.** (2005) Motor unit synchronization between medial and lateral vasti muscles. *Clinical Neurophysiology*, 116(7):1585-1595. **IF=2.485**

- A72 Mellor, R. & **Hodges, PW.** (2005) Motor unit synchronization is reduced in anterior knee pain. *Journal of Pain*, 6(8):550-558. **IF= 2.306**
- A73 Moseley, GL. & **Hodges, PW.** (2005) Are the changes in postural control associated with low back pain caused by pain interference? *Clinical Journal of Pain*, 21(4):323-329. **IF= 2.080**
- A74 Saunders, SW., Schache, A., Rath, D., & **Hodges, PW.** (2005) Changes in three dimensional lumbo-pelvic kinematics and trunk muscle activity with speed and mode of locomotion. *Clinical Biomechanics*, 20(8):784-793. **IF=1.176**
- A75 Smith, M., Coppieters, MW., & **Hodges PW.** (2005) Effect of experimentally induced low back pain on postural sway with breathing. *Experimental Brain Research*, 166(1):109-117. **IF=2.302**
- A76 Urquhart, DM., Barker, PJ., **Hodges, PW.**, Story, IH. & Briggs, CA. (2005) Regional morphology of the transversus abdominis and obliquus internus and externus abdominis muscles. *Clinical Biomechanics* 20(3):233-241. IF=1.176
- A77 Urquhart, DM. & **Hodges, PW.**, Allen, TJ., & Story, IH. (2005) Abdominal muscle recruitment during a range of voluntary exercises. *Manual Therapy*, 10(2):144-153. **IF=1.189**
- A78 Urquhart, DM. & **Hodges, PW.** (2005) Differential activity of regions of transversus abdominis during trunk rotation. *European Spine Journal*, 14(4):393-400. **IF=1.527**
- A79 Urquhart, DM., & **Hodges, PW.** (2005) Postural activity of the abdominal muscles varies between regions of these muscles and between body positions. *Gait and Posture*, 22(4):295-301. **IF=1.585**
- A80 Barker, PJ., Guggenheimer, KT., Grkovic, I., Briggs, CA., Jones, DC., Thomas, CDL., & **Hodges, P.W.** (2006) Effects of tensioning the lumbar fasciae on segmental stiffness during flexion and extension. *Spine*, 31(4):397-405. **IF=?**
***Winner of the 2006 Spine Journal Young Investigator Award Winner**
- A81 Chapman AR., Vicenzino B., Blanch P., Knox JJ., & **Hodges PW.** (2006) Leg muscle recruitment in highly trained cyclists. *Journal of Sports Sciences*, 24(2):115-124. **IF=1.255**
- A82 Coppieters, MW., Alshami, AM., Babri, AS., Souvlis, T., Kippers, V., & **Hodges, PW.** (2006) Strain and excursion of the sciatic, tibial, and plantar nerves during a modified straight leg raising test. *Journal of Orthopaedic Research*. 24(9):1883-1889. **IF=?**
- A83 Coppieters, MW., Alshami, AM., & **Hodges, PW.** (2006) An experimental pain model to investigate the specificity of the neurodynamic test for the median nerve in the differential diagnosis of hand symptoms. *Archives of Physical Medicine and Rehabilitation*, 87(10):1412-1417.
- A84 Cordo, PJ., **Hodges, PW.**, Smith, TC., Brumagne, S., & Gurfinkel, VS. (2006) Scaling and non-scaling of muscle activity, kinematics, and dynamics in sit-ups with different degrees of difficulty. *Journal of Electromyography and Kinesiology*, 16(5):506-521. **IF=1.352**
- A85 Cowan, SM., **Hodges, PW.**, Crossley, KM. & Bennell, KL. (2006) Patellar taping does not change the amplitude of electromyographic activity of the vasti in a stair stepping task. *British Journal of Sports Medicine*, 40(1):30-34.
- A86 Falla, D., Jull, G., **Hodges, P.**, & Vicenzino, B. (2006) An endurance-strength training regime is effective in reducing myoelectric manifestations of cervical flexor muscle fatigue in females with chronic neck pain. *Clinical Neurophysiology*, 117(4):828-837. **IF=?**
- A87 Feltham, M., van Dieen, JH., Coppieters, MW., & **Hodges PW.** (2006) Changes in joint stability with muscle contraction measured from transmission of mechanical vibration. *Journal of Biomechanics*, 39(15):2850-2856. **IF= 2.005**
- A88 **Hodges, P.**, Kaigle Holm, A., Hansson, T., & Holm, S. (2006) Rapid atrophy of the lumbar multifidus follows experimental disc or nerve root injury. *Spine*, 31(25):2926-2933. **IF=2.676**
***Winner of the 2006 ISSLS Prize (Basic Science)**
- A89 Knox, JJ., Beilstein, DJ., Charles, SD., Aarseth, GA., Rayar, S., Treleaven, J., & **Hodges, PW.** (2006) Changes in head and neck position have a greater effect on elbow joint position sense in people with whiplash-associated disorders. *Clinical Journal of Pain*, 22(6):512-518. **IF=?**

- A90 Knox, JJ., Coppieters, MW., **Hodges, PW.** (2006) Do you know where your arm is if you think your head has moved? *Experimental Brain Research*, 173(1):94-101. **IF=?**
- A91 Knox, J., Cordo, P., Skoss, R., Durrant, S. & **Hodges, P.** (2006) Illusory changes in head position induced by neck muscle vibration can alter the perception of elbow position. *Behavioural Neuroscience*, 120(6):1211-1217.
- A92 Mellor, R. & **Hodges, P.W.** (2006) Effect of knee joint angle on motor unit synchronization. *Journal of Orthopaedic Research*, 24(7):1420-1426. **IF=?**
- A93 Moseley, GL. & **Hodges PW.** (2006) Reduced variability of postural strategy prevents normalization of motor changes induced by back pain: a risk factor for chronic trouble? *Behavioral Neuroscience*, 120(2):474-476. **IF= 2.819**
- A94 Smith, MD., Russell, A., & **Hodges, P.W.** (2006) Disorders of breathing and continence have a stronger association with back pain than obesity and physical activity. *Australian Journal of Physiotherapy*, 52(1):11-16. **IF=0.918**
- A95 Stubbs, NC., **Hodges, PW.**, Jeffcott, LB., Cowin, G., Hodgson, DR., McGowan, CM. (2006) Functional anatomy of the caudal thoracolumbar and lumbosacral spine in the horse. *Equine Veterinary Journal*, 36:393-399. **IF=?**
- A96 Briggs, AM., Greig, AM., Bennell, KL., & **Hodges, PW.** (2007) Paraspinal muscle control in people with osteoporotic vertebral fracture. *European Spine Journal*, 16(8):1137-1144.
- A97 Chapman AR., Vicenzino B., Blanch P., **Hodges PW.** (2007) Leg muscle recruitment during cycling is less developed in triathletes than cyclists despite matched cycling training loads. *Experimental Brain Research*, 181(3):503-518.
- A98 Dawson, AP., McLennan, SN., Schiller, SD., Jull, GA., **Hodges, PW.**, & Stewart, S. (2007) Interventions to prevent back pain and back injury in nurses: a systematic review. *Occupational and Environmental Medicine*, 64(10):642-650.
- A99 Falla, D., Jull, G., Vicenzino, B., Russell, T., & **Hodges, P.** (2007) Effect of neck exercise on sitting posture in patients with chronic neck pain. *Physical Therapy*, 87(4): 408-417.
- A100 Ferreira, ML., Ferreira, PH., & **Hodges PW.** (2007) Changes in postural activity of the trunk muscles following spinal manipulative therapy. *Manual Therapy*, 12(3):240-248.
- A101 Ferreira, ML., Ferreira, PH., Latimer, J., Herbert, RD., **Hodges, PW.**, Jennings, MD., Maher, CG., & Refshauge, KM. (2007) Comparison of general exercise, motor control exercise and spinal manipulative therapy for chronic low back pain: A randomized trial. *Pain*, 131(1-2):31-37.
- A102 Greig, AM., Bennell, KL., Briggs, AM., Wark, JD., & **Hodges, PW.** (2007) Balance impairment is related to vertebral fracture rather than thoracic kyphosis in individuals with osteoporosis, *Osteoporosis International*, 18(4):543-551. **IF=4.216**
- A103 **Hodges, PW.**, Sapsford, R., & Pengel, LHM. (2007) Postural and respiratory functions of the pelvic floor muscles. *Neurourology and Urodynamics*, 26(3):362-71.
- A104 Jull, G., Falla, D., Treleaven, J., **Hodges, P.**, Vicenzino, B. (2007) Retraining cervical joint position sense: the effect of two exercise regimes. *Journal of Orthopaedic Research*, 25(3):404-412.
- A105 Mok, NW., Brauer, SG., & **Hodges, PW.** (2007) Failure to use movement in postural strategies leads to increased spinal displacement in low back pain. *Spine*, 32(19):E537-543.
- A106 O'Leary, S. Falla, D., **Hodges, PW.**, Jull, G., & Vicenzino, B. (2007) Specific therapeutic exercise of the neck induces immediate local hypoalgesia. *Journal of Pain*, 8(11):832-839.
- A107 Smith, MD., Coppieters, MW., & **Hodges, PW.** (2007) Postural response of the pelvic floor and abdominal muscles in women with and without incontinence. *Neurourology and Urodynamics*, 26(3):377-385.
- A108 Smith, MD., Coppieters, MW., & **Hodges, PW.** (2007) Postural activity of the pelvic floor muscles is delayed during rapid arm movements in women with stress urinary incontinence, *International Urogynecology Journal*, 18(8):901-911.

- A109 Stensdotter, A-K., **Hodges, P.**, Ohberg, F., & Häger-Ross, C. (2007) Quadriceps EMG in open and closed kinetic chain tasks in women with patellofemoral pain. *Journal of Motor Behavior*, 39(3):194-202.
- A110 Tsao, H. & **Hodges, PW.** (2007) Immediate changes in feedforward postural adjustments following voluntary motor training. *Experimental Brain Research*, 181(4):537-546.
- A111 Chapman, AR., Vicenzino, B., Blanch, P., Dowlan, S., & **Hodges, PW.** (2008) Does cycling effect motor coordination of the leg during running in elite triathletes? *Journal of Science and Medicine in Sport*, 11(4):371-380.
- A112 Chapman, AR., Vicenzino, B., Blanch, P., & **Hodges, PW.** (2008) Patterns of leg muscle recruitment vary between novice and highly trained cyclists. *Journal of Electromyography and Kinesiology*, 18(3):359-371.
- A113 Chapman, AR., Vicenzino, B., Blanch, P., **Hodges, PW.** (2008) Is running less skilled in triathletes than runners matched for running training history? *Medicine and Science in Sports and Exercise*, 40(3):557-565.
- A114 Chapman, AR., Vicenzino, B., Blanch, P., Knox, JJ., Dowlan, S., & **Hodges, PW.** (2008) The influence of body position on leg kinematics and muscle recruitment during cycling. *Journal of Science and Medicine in Sport*, 11(6):519-526.
- A115 Falla, D., Jull, G., & **Hodges, P.** (2008) Training the cervical muscles with prescribed motor tasks does not change muscle activation during a functional activity. *Manual Therapy*, 13(6):507-512.
- A116 Greig, AM., Bennell, KL., Briggs, AM., & **Hodges, PW.** (2008) Postural taping decreases thoracic kyphosis but does not influence trunk muscle electromyographic activity or balance in women with osteoporosis. *Manual Therapy* 13(3):249-257.
- A117 **Hodges, PW.**, Ervilha, UF., & Graven-Nielsen, T. (2008) Changes in motor unit firing rate in synergist muscles cannot explain the maintenance of force during constant force painful contractions, *Journal of Pain*, 9(12):1169-1174.
- A118 Macedo, LG., Latimer, J., Maher, CG., & **Hodges, PW.**, Nicholas, M., Tonkin, L., McAuley, JH., Stafford, R. (2008) Motor control or graded activity exercises for chronic low back pain? A randomised controlled trial. *BMC Musculoskeletal Disorders*, 9:65.
- A119 Mannion, AF., Pulkovski, N., Schenk, P., **Hodges, PW.**, Gerber, H., Loupas, T., Gorelick, M., Sprott, H. (2008) A new method for the noninvasive determination of abdominal muscle feedforward activity based on tissue velocity information from tissue Doppler imaging. *Journal of Applied Physiology*, 104(4):1192-1201.
- A120 Rainoldi, A., Falla, D., Mellor, R., Bennell, K., & **Hodges, P.** (2008) Myoelectric manifestations of fatigue in vastus lateralis, medialis obliquus and medialis longus muscles. *Journal of Electromyography and Kinesiology*, 18(6):1032-1037.
- A121 Sapsford, RR., Richardson, CA., Maher, CF., & **Hodges, PW.** (2008) Pelvic floor muscle activity in different sitting postures in continent and incontinent women. *Archives of Physical Medicine Rehabilitation*, 89(9):1741-1747.
- A122 Smith MD, Coppieters MW, **Hodges, PW.** (2008). Is balance different in women with and without stress urinary incontinence? *Neurourology and Urodynamics*, 27(1):71-78.
- A123 Smith, MD., Russell, A., & **Hodges, PW.** (2008) Is there a relationship between parity, pregnancy, back pain and incontinence? *International Urogynecology Journal*, 19(2):205-211.
- A124 Smith MD., Russell A., & **Hodges PW.** (2008) How common is back pain in women with gastrointestinal problems? *Clinical Journal of Pain*, 24(3):199-203.
- A125 Stensdotter, AK., Grip, H., **Hodges, PW.** & Häger-Ross, C. (2008) Quadriceps activity and movement reactions in response to unpredictable sagittal support-surface translations in women with patellofemoral pain. *Journal of Electromyography and Kinesiology*, 18(2):298-307.
- A126 Tsao, H., Galea, MP., & **Hodges, PW.** (2008) Concurrent excitation of the opposite motor cortex during transcranial magnetic stimulation to activate the abdominal muscles. *Journal of Neuroscience Methods*, 171(1):132-139.

- A127 Tsao, H., Galea, MP., & **Hodges, PW.** (2008) Reorganization of the motor cortex is associated with postural control deficits in recurrent low back pain. *Brain*, 131(Pt8):2161-2171.
- A128 Tsao, H., **Hodges, PW.** (2008) Persistence of improvements in postural strategies following motor control training in people with recurrent low back pain. *Journal of Electromyography and Kinesiology*, 18(4):559-567.
- A129 Tsao, H., Overs, ME., Wu, JC., Galea, MP., & **Hodges, PW.** (2008) Bilateral activation of the abdominal muscles induces longer reaction time. *Clinical Neurophysiology*, 119(5):1147-1152.
- A130 Chapman, A., Vicenzino, B., Blanch, P., & **Hodges P.** (2009) Do differences in muscle recruitment between novice and elite cyclists reflect different movement patterns or less skilled muscle recruitment? *Journal of Science and Medicine in Sport*, 12(1):31-34.
- A131 **Hodges, PW.**, Mellor, R., Crossley, K., Bennell, K. (2009) Pain induced by injection of hypertonic saline into the infrapatellar fat pad and effect on coordination of the quadriceps muscles. *Arthritis and Rheumatism*, 61(1):70-77.
- A132 **Hodges, PW.**, van den Hoorn, W., Dawson, A., & Cholewicki, J. (2009) Changes in the mechanical properties of the trunk in low back pain may be associated with recurrence. *Journal of Biomechanics*, 42(1):61-66.
- A133 Lee, LJ., Coppieters, MW., **Hodges, PW.** (2009) Anticipatory postural adjustments to arm movement reveal complex control of paraspinal muscles in the thorax. *Journal of Electromyography and Kinesiology*, 19(1):46-54.
- A134 Tucker, KJ., & **Hodges, PW.** (2009) Motoneurone recruitment is altered with pain induced in non-muscular tissue. *Pain*, 141(1-2):151-155.
- A135 Claus, AP., Hides, JA., Moseley, GL., & **Hodges, PW.** (2008) Is 'ideal' sitting posture real?: Measurement of spinal curves in four sitting postures. *Manual Therapy*, accepted 24/06/08.
- A136 Claus, A.P., Hides, J.A., Moseley, G.L., **Hodges, P.W.** (2009) Different ways to balance the spine: subtle changes in sagittal spinal curves affect regional muscle activity. *Spine*. Accepted 2008 Oct 8. IF: 2.50
- A137 Hall, L., Tsao, H., MacDonald, D., Coppieters, M., & **Hodges, PW.** (2009) Immediate effects of co-contraction training on motor control of the trunk muscles in people with recurrent low back pain. *Journal of Electromyography and Kinesiology*, accepted 2007 Nov 21.
- A138 **Hodges, PW.**, Galea, MP., Holm, S., & Kaigle Holm, A. (2009) Corticomotor excitability of back muscles is affected by intervertebral disc lesion in pigs. *European Journal of Neuroscience*, accepted 2008 Jan 19.
- A139 MacDonald, D., Moseley, GL., & **Hodges, PW.** (2009) Why do some patients keep hurting their back? Evidence of ongoing back muscle dysfunction during remission from recurrent back pain. *Pain*, accepted 2008 Jan 12.
- A140 McCook, DT., Vicenzino, B., & **Hodges, PW.** (2008) Activity of deep abdominal muscles increases during submaximal flexion and extension efforts but antagonist co-contraction remains unchanged. *Journal of Electromyography and Kinesiology*, accepted 2007 Dec 19.
- A141 Tsao, H., Galea, MP., & Hodges PW. (2009) How fast are feedforward postural adjustments of the abdominal muscles? *Behavioural Neuroscience*, accepted 2009 Feb 5. (IF=2.88, cites 0)
- A142 Smith, MD., Russell, A., & Hodges, PW. (2009) Do incontinence, breathing difficulties and gastrointestinal symptoms increase the risk of future back pain? *Journal of Pain*, accepted 2009 March 17.

Invited review articles

- B1 Hides, J. A., Jull, G. A., Richardson, C. A., **Hodges, P. W.** (1997) Lokale Gelenkstabilisation: Spezifische Befunderhebung und Übungen bei lumbalen Ruckenschmerzen. *Manuelle Therapie*, 1:8-15. IF=NA

- B2 **Hodges, P. W.** (1999). Is there a role for transversus abdominis in lumbo-pelvic stability? *Manual Therapy*, 4:74-86. IF=1.189
- B3 **Hodges, P. W.** (2000). The role of the motor system in spinal pain: Implications for rehabilitation of the athlete following lower back pain, *Journal of Science and Medicine in Sport*, 3:242-252. IF=0.693
- B4 Gandevia, S.C., Butler, J.E., **Hodges, P.W.**, & Taylor, J.L. (2002) Balancing acts: respiratory sensations, motor control and human posture. *Clinical and Experimental Pharmacology and Physiology*, 29: 118-121. IF=1.744
- B5 **Hodges, P.W.**, Moseley, G.L. (2003) Pain and motor control of the lumbopelvic region: effect and possible mechanisms. *Journal of Electromyography and Kinesiology*, 13:361-70. IF=1.352
***Invited contribution to special issue on spinal pain and biomechanics.**
- B6 **Hodges, P.W.** (2003) Core stability exercise in chronic low back pain. *Orthopaedic Clinics of North America*, 34:245-254. IF=0.907
***Invited contribution to special issue on chronic low back pain.**
- B7 Macdonald, D., Moseley, G.L., **Hodges, P.W.** (2006) The Lumbar Multifidus: Does the Evidence Support Clinical Beliefs? *Manual Therapy*, 11(4):254-63.
- B8 Stokes, M., Hides, J., Elliott, J., Kiesel, K., **Hodges, P.** (2007) Rehabilitative ultrasound imaging of the posterior paraspinal muscles. *J Orthop Sports Phys Ther*, 37(10):581-95.
- B9 Whittaker, J.L., Thompson, J.A., Teyhen, D.S., **Hodges, P.** (2007) Rehabilitative ultrasound imaging of pelvic floor muscle function. *J Orthop Sports Phys Ther*, 37(8):487-98.
- B10 Teyhen, D.S., Gill, N.W., Whittaker, J.L., Henry, S.M., Hides, J.A., **Hodges, P.** (2007) Rehabilitative ultrasound imaging of the abdominal muscles. *J Orthop Sports Phys Ther*, 37(8):450-66.
- B11 Claus, A., Hides, J., Moseley, G.L., **Hodges, P.** (2008) Sitting versus standing: does the intradiscal pressure cause disc degeneration or low back pain? *Journal of Electromyography and Kinesiology*, 18(4):550-558.

Research Book

- C1 Richardson, C. A., Jull, G. A., **Hodges, P. W.**, & Hides, J. A. (1998) Therapeutic exercise for spinal segmental stabilisation in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, UK.
- C2 Richardson, C. A., **Hodges, P. W.**, & Hides, J. A. (2004) Therapeutic exercise for lumbopelvic stabilization: A motor control approach for the treatment and prevention of low back pain. Churchill Livingstone, Edinburgh, UK.

Book Chapters

- D1 **Hodges, P. W.** (2003) Motor Control. In: Kolt, G. Snyder-Mackler, L. Physical Therapies in Sport and Physical Activity, Churchill Livingstone, Edinburgh, 107-126.
- D2 Rainoldi, A., Casale, R., **Hodges, P.**, & Jull, G. (2004) Applications in rehabilitation medicine and related fields, In: Merletti, R, Parker, P.A. Electromyography: Physiology, engineering and non-invasive applications. IEEE. Press, Piscataway, NJ, USA. 403-434.
- D3 **Hodges, P.W.** (2004) Clinical reasoning: A high school teacher with chronic low back and coccygeal pain. In: Jones, M., Rivett, D. Clinical Reasoning for Manual Therapists, Butterworth Heinemann, Edinburgh, 103-122.
- D4 **Hodges, P.W.** (2004) Lumbopelvic stability: A functional model of the biomechanics and motor control of lumbopelvic stability. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 13-28.
- D5 **Hodges, P.W.** (2004) A functional model of the biomechanics and motor control of lumbopelvic stability. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic

exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 31-58.

- D6 **Hodges, P.W.** (2004) Pain models. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 129-138.
- D7 **Hodges, P.W.** (2004) Abdominal mechanism in low back pain. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 141-148.
- D8 Richardson, C.A., Hides, J.A., **Hodges, P.W.** (2004) Principles of the 'segmental stabilisation' exercise model. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 175-184.
- D9 Richardson, C.A., Hides, J.A., **Hodges, P.W.** (2004) Local segmental control. In: Richardson, C.A., Hodges, P.W., Hides, J.A. (eds) Therapeutic exercise for joint protection in low back pain: Scientific basis and clinical approach. Churchill Livingstone, Edinburgh, 185-220.
- D10 **Hodges, P.W.** (2005) Motor control of the trunk. In: Boyling, J. Jull, G.A. (ed) Greive's Modern Manual Therapy, Churchill Livingstone, Edinburgh, in press.
- D11 Moseley, G.L., **Hodges, P.W.** (2005) Chronic pain and motor control. In: Boyling, J. Jull, G.A. (ed) Greive's Modern Manual Therapy, Churchill Livingstone, Edinburgh, in press.
- D12 **Hodges, P.W.**, Janda, V. (2005) Functional control of the back. In Morris, C. Rehabilitation of the spine. Mosby, 119-146 in press.
- D13 Hodges, P.W. (2005) Pelvic floor and low back pain. In Carriere, B. The Pelvic Floor. Thieme, Stuttgart, 81-94 in press.
- D14 **Hodges, P. W.**, & Jull, G. A. (2005). Motor relearning strategies for the rehabilitation of intervertebral control of the spine. Liebenson, C. (ed) Rehabilitation of the spine: A practitioners manual (2nd Ed). Lippincott Williams and Wilkins, Baltimore, in press.
- D15 **Hodges, P.W.** & Cholewicki, J. (2007) Functional control of the spine. In Vleeming, A., Stockhart, P., Movement, Stability and Lumbopelvic Pain 2Ed, Elsevier, Amsterdam.
- D16 **Hodges, P. W.** (2007) Motor Control. In: Kolt, G. Snyder-Mackler, L. Physical Therapies in Sport and Physical Activity, Churchill Livingstone, Edinburgh.
- D17 Urquhart, D., **Hodges, P.W.** (2007) Anatomy of the abdominal muscles. In Vleeming, A., Stockhart, P., Movement, Stability and Lumbopelvic Pain 2Ed, Elsevier, Amsterdam.
- D18 **Hodges, P.W.**, Ferreira, P.H., Ferreira, M. (2008) Lumbar spine: Treatment of instability and disorders of movement control. In Magee, D.J., Zachazewski, J.E., Quillen, W.S., Musculoskeletal Rehabilitation: Vol III: Treatment of Pathology and Injuries, Elsevier, Amsterdam
- D19 **Hodges, P.W.** (2008) Changes in sensory-motor control in low back pain. In Graven-Nielsen, T., Arendt-Nielsen, L., Mense, S. Fundamentals of musculoskeletal pain. IASP press.