




## CURRICULUM VITAE

*Kim Burton*



DoB - 19.08.47 : Male : British : Married (Penny)

Employment status: self-employed

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 [www.spineresearch.org.uk](http://www.spineresearch.org.uk)

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### EDUCATION

1987 Doctor of Philosophy (PhD); CNAA / Huddersfield Polytechnic, Yorkshire, UK

1968 Diploma in Osteopathy (DO); British School of Osteopathy, London, UK

### APPOINTMENTS

2011 - \*\* Occupational Safety and Health Consultants Register

2011 - \*\* Professorial appointment, University of Huddersfield

2009 - \*\* Partner, *KendallBurton* - occupational health and training consultancy

2007 - \*\* Honorary Fellow of the Faculty of Occupational Medicine (Hon FFOM)

2004 - 11 Affiliate Visiting Professor, University of Huddersfield

1993 - \*\* Associate Professor of Clinical Biomechanics, British School of Osteopathy, London

1992 - \*\* Freelance consultant in ergonomics and occupational health, Huddersfield, UK

1990 - \*\* Director, Spinal Research Unit, The University of Huddersfield, UK

1988 - 90 Visiting Research Fellow, The Polytechnic of Huddersfield, UK

1989 - 95 Scientific Adviser, Osteopathic Association of Great Britain

1971 - 89 Research Officer, Osteopathic Association of Great Britain

1968 – 97 Osteopathic practice - Huddersfield, UK – [consultant 1997 – 2003]

## AWARDS/HONOURS

- 2011 OBE for services to occupational healthcare, awarded in Queen's Birthday Honours List 2011
- 2008 BUPA *foundation* Health at Work Award, 'Management of work-relevant upper limb disorders'. Burton K, Kendall N, Pearce B, Birrell L, Bainbridge C.
- 2007 Honorary Fellowship of the Faculty of Occupational Medicine of the Royal College of Physicians
- 2006 Volvo lecturer – International Society for the Study of the Lumbar Spine. 'Low back pain: prevent, cure or manage?'. Bergen, Norway
- 2005 BUPA *foundation* Health at Work Award – Highly Commended. 'The implementation of occupational health guidelines principles for reducing sickness absence due to musculoskeletal disorders'. McCluskey S, Burton K, Main C
- 2005 BackCare Research Award, presented by the Society for Back Pain Research, Leicester 2004. UK Back Pain Exercise and Manipulation (UK BEAM) Randomised Trial: Cost-effectiveness of physical treatments for back pain in primary care. A Manca and M Underwood on behalf of the UK BEAM Trial Team.
- 2002 Creative Excellence Award; US International Film and Video Festival for *Get Back Active* (a video based on *The Back Book*) produced by Take3 Video, funded by BP Occupational Health, with expert medical input from Burton AK, Waddell G
- 2001 BackCare Research Award, presented by the Society for Back Pain Research, Bristol November 2001. 'Occupational Health Guidelines for the Management of Low Back Pain at Work – Evidence review'. Waddell G, Burton AK
- 2000 BUPA *foundation* Health at Work Award, 'Occupational Health Guidelines for the Management of Low Back Pain at Work'. Carter T, Birrell L, Waddell G, Burton AK
- 1997 The National Back Pain Association Medal, presented by the Society for Back Pain Research, Middlesbrough September, 1997. 'Four-year follow-up of low back pain patients in primary care'. Burton AK, Tillotson KM, McClune TD, Clarke RD, Main CJ
- 1996 The National Back Pain Association Medal, presented by the Society for Back Pain Research, London, October, 1996. 'Preliminary evaluation of a new Back Book'. Waddell G, Burton K, Roland M, Klaber-Moffett J, Main C, Cantrell E, Blair S, Burt R
- 1995 The National Back Pain Association Medal, presented by the Society for Back Pain Research, Bournemouth, October, 1995. 'Encouragement of positive beliefs about back trouble is matched by absence reduction'. Symonds TL, Burton AK, Tillotson KM, Main CJ
- 1995 Sofamor Danek Clinical Award Paper, presented by the International Society for the Study of the Lumbar Spine, Helsinki, June, 1995. 'Can absenteeism due to low back trouble be reduced by psychosocial intervention at the workplace?'. Symonds TL, Burton AK, Tillotson KM, Main CJ
- 1993 Associate Professor of Clinical Biomechanics, British School of Osteopathy, London
- 1991 Poster Prize – 3<sup>rd</sup> place, presented by the International Society for the Study of the Lumbar Spine, Heidelberg, May, 1991. 'An improved method of stature measurement for quantitative determination of spinal loading: application to sitting postures and whole body vibration'. Althoff I, Brinckmann P, Frobin W, Sandover J, Burton K

## EDITORIAL APPOINTMENTS

- 1986 - \*\* *Clinical Biomechanics* - Editor-in-Chief
- 2011 - \*\* *Healthy Working UK* website (Royal College of General Practitioners) - Editorial Board
- 2005 - 08 *Journal of Orthopaedic Surgery and Research* – Editorial Board
- 2004 - 10 *Manual Therapy* – International Advisory Board

- 2003 - \*\* *Cochrane Collaboration Back Review Group* - Advisory Board
- 2000 - \*\* *Spine* - Associate Editorial Board
- 1997 - 04 *Journal of Musculoskeletal Research* - Editorial Board
- 1997 - 99 *Australasian Osteopathic Medicine Review* - Editorial Board
- 1984 – 85 *British Osteopathic Journal* – Joint Editor
- 1982 – 85 *British Osteopathic Journal* – Publishing Manager
- 1974 – 84 *British Osteopathic Journal* - Editorial Board

[Peer reviews undertaken for: *Acta Paediatrica, American Family Physician, Annals of the Rheumatic Diseases, Applied Ergonomics, BMC Musculoskeletal Disorders, British Medical Journal, British Journal of Rheumatology, British Journal of Sports Medicine, Chiropractic & Osteopathy, Disease Management and Health Outcomes, Ergonomics, European Spine Journal, European Journal of Pain, Family Practice, Human Factors, Journal of Clinical Epidemiology, Map of Medicine, Occupational Medicine, Occupational and Environmental Medicine, Pain, Pediatrics, Pediatric Rehabilitation, Sports Medicine, The Psychologist*]

## SCIENTIFIC AND PROFESSIONAL ORGANISATIONS

- 1996 - \*\* Registered European Ergonomist (Eur.Erg)
- 1996 - \*\* International Association for the Study of Pain
- 1996 - \*\* Law Society Checked Expert Witness; Society of Expert Witnesses; Expert Witness Institute.
- 1992 - \*\* Spine Society of Europe (formerly European Spine Society (2001))
- 1992 - \*\* UK Register of Expert Witnesses
- 1991 - \*\* International Society for the Study of the Lumbar Spine
- 1989 - \*\* Royal Society of Medicine
- 1988 - \*\* International Society of Biomechanics
- 1986 - \*\* Institute of Ergonomics and Human Factors (formerly Ergonomics Society (2010) (Professional Register from 1991)
- 1986 - 96 Biological Engineering Society (formerly Institute of Physics & Engineering in Medicine & Biology (1995))
- 1985 - \*\* European Society of Biomechanics
- 1984 - \*\* European Association of Science Editors
- 1974 - \*\* Society for Back Pain Research
- 1968 - \*\* General Osteopathic Council (formerly Register of Osteopaths (1999))
- 1968 - \*\* British Osteopathic Association (formerly Osteopathic Association of Great Britain (1998))

## COMMITTEES ETC.

- 2009 - \*\* Task Force on Research: EuroSpine, the Spine Society of Europe
- 2003 - 04 Society for Back Pain Research, President
- 2000 - 04 European Commission, COST Action B13 ‘Low back pain: guidelines for its management’ - Management Committee + sub-group chair.
- 1999 - 00 Faculty of Occupational Medicine working group for occupational health back pain guidelines + evidence reviewer.

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| 1997 - 99 | European Spine Society, Membership Committee   |
| 1996 - 99 | International Society for the Study of the Lumbar Spine - Executive Committee [Regional representative for Great Britain and Africa] |
| 1995 - 99 | Royal College of General Practitioners Clinical Audit Programme - National Guidelines for Back Pain - working group.                 |
| 1995 - 97 | Medical Research Council - Back Pain Working Group   |
| 1992 - 93 | Council for National Academic Awards – advisor   |
| 1991 - 93 | Society for Back Pain Research: Hon. Secretary   |
| 1988      | Council for National Academic Awards, Committee for Health Studies - Working Party   |
| 1982      | British School of Osteopathy, Research Advisory Panel  |
| 1977 - 95 | Society for Back Pain Research: Executive Committee  |
| 1969 - 90 | Osteopathic Association of Great Britain, Council member   |

## RESEARCH GRANTS/CONTRACTS

- \* Arthritis Research UK, 2011 (in collaboration with Universities of Aberdeen, Southampton and Warwick). 'Maintained activity and physiotherapy in the management of distal arm pain'.
- \* Health & Safety Executive, 2009 [in collaboration with Health & Safety Laboratory and University of Loughborough]. 'Developing an intervention toolbox for the common health problems in the workplace'
- \* Association of British Insurers on behalf of the Vocational Rehabilitation Task Group and the Industrial Injuries Advisory Council, 2007. 'Vocational rehabilitation - what works for whom and when?' – evidence review.
- \* Health & Safety Executive, 2007: 'Management of upper limb disorders and the biopsychosocial model' – literature review.
- \* Department for Work and Pensions, 2007. 'Advising patients about work': development of leaflet and resource for GP education.
- \* Department for Work and Pensions, 2006. 'Health & Work': development of educational booklet for patients.
- \* Re: Liability (Oxford) Ltd, 2006. 'Work & Health' – a guidance leaflet for professionals in and around the workplace.
- \* Dr Foster - The Back Pain Expert Panel – consultancy to develop care pathway, 2006
- \* University of Huddersfield, University Research Funding, 2005-6. 'Randomised controlled trial of patient information for whiplash'.
- \* Department for Work and Pensions, 2004-5. 'Is work good for your health and well-being?' – evidence review
- \* Dr Foster - The Whiplash Expert Panel – consultancy to develop care pathway, 2004
- \* Department for Work and Pensions, 2003-4. 'Concepts of rehabilitation for the management of common health problems' - literature review
- \* Department for Work and Pensions, 2002. 'Screening for risk of long-term incapacity' – evidence review
- \* Association of British Insurers, 2001. 'Whiplash' - literature review of whiplash injuries; authoring and pre-publication pilot studies of *The Whiplash Book*.
- \* Faculty of Occupational Medicine, 2000. Literature review and contribution to development of Occupational Health Guidelines for the Management of Low Back Pain at Work.

- \* Health & Safety Executive, 1999 thru 2003. 'Obstacles to recovery from back pain'. Industrial survey and clinical trial:- in collaboration with Dept Behavioural Medicine, Hope Hospital, Salford, UK
- \* Health & Safety Executive, 1999. Data analysis contract
- \* Scottish & Newcastle, 1997. 'Back Pain Management Model' – development of model
- \* Health & Safety Executive, 1996 thru 1997. 'Supermarket checkouts'. Data analysis and report writing contract
- \* Health & Safety Executive, 1996-7 (extension to contract # 3243/R55.46) 'Overload injuries of thoracolumbar spine': in collaboration with Universität Münster, Universität Duisburg, Loughborough University.
- \* Police Authority for Northern Ireland, 1994-5. (contract) 'Back Pain Study'
- \* Health & Safety Executive, 1994 thru 1995 (contract # 3243/R55.46) 'Overload injuries of the thoracolumbar spine': in collaboration with Universität Münster, Universität Duisburg, Loughborough University
- \* Yorkshire Regional Health Authority, 1994 thru 1996 'Chemonucleolysis or manipulation for lumbar disc herniation?': in collaboration with Huddersfield NHS Trust
- \* Commission for the European Communities, 5th Medical Research Program, 1992 thru 93 'Quantification of overload injuries of thoracolumbar vertebrae': in collaboration with Universität Münster, Universität Duisburg, Loughborough University.
- \* British Council (Belgium), 1992 thru 95 (travel grant) 'Back pain in nursing personnel': in collaboration with Free University, Brussels
- \* Institut f. Experimentelle Biomechanik, Universität Münster-1992 'Exercises and thoracic flexion'
- \* National Back Pain Association, 1993 thru 94. 'Beliefs about low back trouble and work'
- \* University of Jyväskylä, 1992 and 93. 'Mobility, disc degeneration and back pain in twins'
- \* British Council (Germany), 1990 thru 95 (travel grant). 'Development of precision stadiometry equipment': in collaboration with Universität Münster
- \* Research Council for Complimentary Medicine, 1990-93 'Biomechanical effects of osteopathic manipulation in acute low back pain'
- \* Health and Safety Executive, 1990-91 (contract # 1/LMD/126/373/89) 'Reduction of spinal loading in overhead working postures'
- \* National Back Pain Association, 1990-92 'Early psychological assessments in low back trouble': in collaboration with Dept Behavioural Medicine, Hope Hospital, Salford
- \* Westfälische Wilhelms-Universität Münster, FRG - 1989 'Spinal flexibility and idiopathic scoliosis'
- \* Osteopathic Educational Foundation - 1981, 1982, 1984 (equipment grants)
- \* Osteopathic Association of Great Britain - 1975, 1978, 1980, 1982, 1984 (project grants)

*[Reviewer for proposals to domestic and international grant awarding bodies]*

#### *Additional training*

Teaching in spinal medicine – training the trainers (2005)  
 Single joint expert witness training (2001)

#### *Supervision / examination*

*PhD candidates:*

Supervised: 6 [UK]:

Examined: 25 [UK (17); Finland (1); Australia (5), Ireland (2)]

*MSc candidates:*

Supervised: 1 [UK]:  
Examined: 3 [UK]

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*Seminars/teaching*

Faculty member for back pain diploma course run by Eurospine, the Spine Society of Europe.

Occupational health and return-to-work seminars delivered through KENDALLBURTON Ltd

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*Leisure interests*

Mountain biking, climbing, hill walking, gym, Tai Chi.

Motor racing, motorcycling, rock music, modern art, architecture, design.

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## BIBLIOGRAPHY

### *PhD Thesis*

'Patterns of lumbar sagittal mobility and their predictive value in the natural history of back and sciatic pain'. Doctor of Philosophy Thesis, CNA - Huddersfield Polytechnic. 1987.

## SCIENTIFIC PAPERS IN PEER REVIEWED PUBLICATIONS

- 1 McGregor AH, Probyn K, Doré CJ, Burton AK, Cro S, Crispin A, Balagué F, Morris S, Pincus T, Fairbank J. Rehabilitation following surgery for lumbar spinal stenosis (Protocol). Cochrane Database of Systematic Reviews 2012, Issue 2. Art. No.: CD009644. DOI: 10.1002/14651858.CD009644
- 2 Lewis R, Williams N, Matar HE, Din N, Fitzsimmons D, Phillips C, Jones M, Sutton A, Burton K, Nafees S, Hendry M, Rickard I, Chakraverty R, Wilkinson C. The clinical effectiveness and cost effectiveness of management strategies for sciatica: systematic review and economic model. *Health Technol Assess* 2011;15(39):1-434 [www.hta.ac.uk/execsumm/summ1539.htm](http://www.hta.ac.uk/execsumm/summ1539.htm)
- 3 McCluskey S, Brooks J, King N, Burton K. The influence of 'significant others' on persistent back pain and work participation: a qualitative exploration of illness perceptions. *BMC Musculoskeletal Disorders* 2011, 12:236 **Highly accessed** doi:10.1186/1471-2474-12-236 [www.biomedcentral.com/1471-2474/12/236](http://www.biomedcentral.com/1471-2474/12/236)
- 4 Williams NH, Amoakwa E, Belcher J, Edwards RT, Hassani H, Hendry M, Burton K, Lewis R, Hood K, Jones J, Bennett P, Linck P, Neal RD, Wilkinson C. Activity Increase Despite Arthritis (AIDA): phase II randomised controlled trial of an active management booklet for hip and knee osteoarthritis in primary care. *Br J Gen Pract* 2011;61:452-458 doi: 10.3399/bjgp11X588411
- 5 van Duijn M, Eijkemans MJ, Koes BW,2 Marc A Koopmanschap MA, Burton AK, Burdorf A. The effects of timing on the cost-effectiveness of interventions for workers on sick leave due to low back pain. *Occup Environ Med* 2010; 67:774-750
- 6 Williams, NH, Amoakwa E, Burton K, Hendry M, Lewis R, Jones J, Bennett P, Neal R, Andrew G, Wilkinson C. *The Hip and Knee Book*: developing an active management booklet for hip and knee osteoarthritis. *Br J Gen Pract* 2010; 60: 113-120
- 7 Williams, NH, Amoakwa E, Burton K, Hendry M, Belcher J, Lewis R, Hood K, Jones J, Bennett P, Edwards RT, Neal R, Andrew G, Wilkinson C. Activity Increase Despite Arthritis (AIDA): design of a Phase II randomised controlled trial evaluating an active management booklet for hip and knee osteoarthritis [ISRCTN24554946]. *BMC Family Practice* 2009; 10:62 **Highly accessed** [www.biomedcentral.com/1471-2296/10/62](http://www.biomedcentral.com/1471-2296/10/62)
- 8 Burton AK, Kendall NAS, Pearce BG, Birrell LN, Bainbridge LC. Management of work-relevant upper limb disorders: a review. *Occupational Medicine* 2009;59:44-52
- 9 Battié MC, Levalahti E, Videman T, Burton K, Kaprio J. Heritability of lumbar flexibility and the role of disc degeneration and body weight. *J Appl Physiol* 2008;104: 379-385
- 10 Pincus T, Santos R, Breen A, Burton AK, Underwood M; Multinational Musculoskeletal Inception Cohort Study Collaboration. A review and proposal for a core set of factors for prospective cohorts in low back pain: a consensus statement. *Arthritis Rheum (Arthritis Care & Research)* 2008;59:14-24

- 11 Dionne CE, Dunn KM, Croft PR, Nachemson AL, Buchbinder R, Walker BF, Wyatt M, Cassidy JD, Rossignol M, Leboeuf-Yde C, Hartvigsen J, Leino-Arjas P, Latza U, Reis S, Gil Del Real MT, Kovacs FM, Oberg B, Cedraschi C, Bouter LM, Koes BW, Picavet HS, van Tulder MW, Burton K, Foster NE, Macfarlane GJ, Thomas E, Underwood M, Waddell G, Shekelle P, Volinn E, Von Korff M. A consensus approach towards the standardisation of back pain definitions for use in prevalence studies. *Spine* 2008;33:95-103
- 12 Turner DE, Helliwell PS, Burton AK, Woodburn J. The relationship between passive range of motion and range of motion during gait and plantar pressure measurements. *Diabetic Medicine* 2007;24: 1240-1246
- 13 Waddell G, Burton AK, Aylward M. Work and common health problems. *J Insurance Med* 2007;39:109-120
- 14 Coudeyre E, Demaille-Wlodyka S, Poizat S, Burton K, Hamonet MA, Revel M, Poiraudreau S. Could a simple educational intervention modify beliefs about whiplash? A preliminary study among professionals working in a rehabilitation ward, *Annales de réadaptation et de médecine physique* 2007;50:552-557
- 15 McGregor AH, Burton AK, Sell P, Waddell G. The development of an evidence-based patient booklet for patients undergoing lumbar discectomy and un-instrumented decompression. *Eur Spine J* 2007;16:339-346
- 16 Silcock J, Klaber Moffett J, Edmondson H, Waddell G, Burton AK. Do community pharmacists have the attitudes and knowledge to support evidence based self-management of low back pain? *BMC Musculoskeletal Disorders* 2007; 8:10 doi:10.1186/1471-2474-8-10
- 17 Pincus T, Vogel S, Burton AK, Santos R, Field AP. Fear avoidance and prognosis in back pain: A systematic review and synthesis of current evidence. *Arthritis Rheum.* 2006;54:3999-4010
- 18 Burton AK, Balagué F, Cardon G, Eriksen HR, Henrotin Y, Lahad A, Leclerc A, Müller G, van der Beek AJ – on behalf of the COST B13 Working Group on Guidelines for Prevention in Low Back Pain. European guidelines for prevention in low back pain November 2004. *Eur Spine J* 2006;15(Suppl. 2):S136-S168
- 19 Burton K. Viewpoint. *Int J Otsopathic med* 2006;9:56-57
- 20 McCluskey S, Burton AK, Main CJ. The implementation of occupational health guidelines principles for reducing sickness absence due to musculoskeletal disorders. *Occup Med* 2006;56:237-242
- 21 Hill AM, McGregor AH, Wragg P, Brinckmann P, Burton AK. The assessment of cervical spine kinematics: a comparison of iMR and conventional techniques. *J Back Musculoskel Rehabil* 2005;18:29-35
- 22 Bartys S, Burton K, Main C. A prospective study of psychosocial risk factors and absence due to musculoskeletal disorders – implications for occupational screening. *Occup Med* 2005;55:375-379
- 23 Burton AK, Balagué F, Cardon G, Eriksen HR, Henrotin Y, Lahad A, Leclerc A, Müller G, van der Beek AJ; COST B13 Working Group on Guidelines for Prevention in Low Back Pain. How to prevent low back pain. *Best Practice & Research Clinical Rheumatology* 2005;19:541-555
- 24 Waddell G, Burton AK. Concepts of rehabilitation for the management of low back pain. *Best Practice & Research Clinical Rheumatology* 2005;19:655-670

- 25 Viceconti M, Olsen S, Nolte L-P, Burton K. Extracting clinically relevant data from finite element simulations – Editorial. *Clin Biomech* 2005;20:451-454
- 26 Urrutia G, Burton K, Morral A, Bonfill X, Zanoli G. Neuroreflexotherapy for nonspecific low back pain: a systematic review. *Spine* 2005;30:E148-E153
- 27 UK BEAM Trial Team (incl. Burton AK). United Kingdom back pain exercise and manipulation (UK BEAM) randomised trial: effectiveness of physical treatments for back pain in primary care. *BMJ*, doi:10.1136/bmj.38282.669225.AE (19 November 2004). *BMJ* 2004;329:1377-1381
- 28 UK BEAM Trial Team (incl. Burton AK). United Kingdom back pain exercise and manipulation (UK BEAM) randomised trial: cost effectiveness of physical treatments for back pain in primary care. *BMJ*, doi:10.1136/bmj.38282.607859.AE (19 November 2004). *BMJ* 2004;329:1381-1385
- 29 Urrutia G, Burton AK, Morral A, Bonfill X, Zanoli G. Neuroreflexotherapy for non-specific low-back pain (Cochrane Review). *The Cochrane Library*, Issue 2, John Wiley & Sons, Chichester, 2004
- 30 Burton AK, McClune, TD, Clarke RD, Main CJ. Long-term follow-up of patients with low back pain attending for manipulative care – outcomes and predictors. *Manual Therapy* 2004;9:30-35
- 31 Brinckmann P, Bigggemann M, Burton K, Leivseth G, Tillotson M. Frobin W. Letter-to-the Editor. *Spine* 2004;29:108
- 32 Burton AK, Waddell G, Bartys S, Main CJ. Screening to identify people at risk of long-term incapacity: a conceptual and scientific review. *Disability Medicine* 2003;3:72-83
- 33 Coudeyre E, Givron P, Gremeaux V, Lavit P, Hérisson C, Combe B, Burton K, Poiraudéau S. Traduction française et adaption culturelle du 'back book'. *Annales de Readaption et de Médecine Physique* 2003;46:553-557
- 34 McClune T, Burton AK, Waddell G. Evaluation of an evidence-based patient educational booklet for management of whiplash-associated disorders. *Emergency Medicine Journal* 2003;20:514-517.
- 35 Brealey S, Burton K, Coulton S, Farrin A, Garratt A, Harvey E, Letley L, Martin J, Klaber MJ, Russell I, Torgerson D, Underwood M, Vickers M, Whyte K, Williams M; UK Back pain Exercise And Manipulation (UK BEAM) Trial Team. [UK Back pain Exercise And Manipulation \(UK BEAM\) trial - national randomised trial of physical treatments for back pain in primary care: objectives, design and interventions \[ISRCTN32683578\]](#). *BMC Health Services Research* 2003, 3:16
- 36 Staal JB, Hlobil H, van Tulder MW, Waddell G, Burton AK, Koes BW, van Mechelen W. Occupational health guidelines for the management of low back pain: an international comparison. *Occup Environ Med* 2003;60:618-626.
- 37 Harvey E; Burton AK, Klaber Moffett J, Breen A, in collaboration with the UK BEAM trial team. Spinal manipulation for low back pain: a treatment package agreed by the UK chiropractic, osteopathy and physiotherapy professional associations. *Manual Therapy* 2003; 8: 46-51
- 38 Cabri J, Oliveira R, Riedlinger K, Burton K. Rückenbeschwerden im Spitzensport am Beispiel Basketball [Back complaints in elite sports using basketball as an example]. *Sportverletzung-Sportschaden* 2003;17:11-13

- 39 McClune T, Burton AK, Waddell G. Whiplash associated disorders: a review of the literature to guide patient information and advice. *Emergency Medicine Journal* 2002;19:499-506
- 40 Pincus T, Burton AK, Vogel S, Field AP. A systematic review of psychological factors as predictors of chronicity/disability in prospective cohorts of low back pain. *Spine* 2002; 27: E109-E120
- 41 European Commission COST B13 Management Team (Van Tulder M, Kovacs F, Müller G, Airaksinen O, Balagué F, Broos L, Burton K, Gil de real MT, Hänninen O, Henrotin Y, Hildebrant J, Indahl A, Leclerc A, Manniche C, Tilscher H, Ursin H, Vleeming A, Zanoli G). European guidelines for the management of low back pain. *Acta Orthopaedica Scandinavica* 2002 (Suppl 305);73:20-25
- 42 Koes BW, van Tulder MW, Ostelo R, Burton AK, Waddell G. Clinical guidelines for the management of low back pain in primary care: an international comparison. *Spine* 2001; 26: 2504-2514
- 43 Waddell G, Burton AK. Occupational health guidelines for the management of low back pain at work: evidence review. *Occup Med* 2001; 51: 124-135
- 44 Burton AK, Tillotson KM, Cleary J. Single-blind randomised controlled trial of chemonucleolysis and manipulation in the treatment of symptomatic lumbar disc herniation. *Eur Spine J* 2000; 9: 202-207
- 45 Burton AK, Waddell G, Tillotson KM, Summerton N. Information and advice to patients with back pain can have a positive effect: a randomised controlled trial of a novel educational booklet in primary care. *Spine* 1999; 24: 2484-2491
- 46 Brinckmann P, Frobin W, Biggemann M, Tillotson M, Burton K. Quantification of overload injuries to thoracolumbar vertebrae and discs in persons exposed to heavy physical exertions or vibration at the workplace. Part II. Occurrence and magnitude of overload injuries in exposed cohorts. *Clinical Biomechanics* 1998, 13, Suppl 2: S(2)1-S(2)36
- 47 Burton AK, Waddell G. Clinical guidelines in the management of low back pain. In Nordin M, Vischer TL, eds. *New approaches to the low back pain patient*, Baillière's Clinical Rheumatology, 1998; 12 (1): 17-35
- 48 Burton AK. Back injury and workloss – biomechanical and psychosocial issues. *Spine* 1997; 22: 2575-2580
- 49 Frobin W, Brinckmann P, Biggemann M, Burton K, Tillotson M. Precision measurement of disc height, vertebral height and sagittal plane displacement from lateral radiographic views of the lumbar spine. *Clin Biomech* 1997; 12, Supl 1: S1-S64
- 50 Burton AK, Symonds TL, Zinzen E, Tillotson KM, Caboor D, van Roy P, Clarys P. Is ergonomic intervention alone sufficient to limit musculoskeletal complaints in nurses? *Occup Med* 1996; 47: 25-32
- 51 Burton AK, Battié MC, Gibbons L, Videman T, Tillotson KM. Lumbar disc degeneration and sagittal flexibility. *J Spinal Disord* 1996; 9: 418-424
- 52 Burton AK, Tillotson KM, Symonds TL, Burke C, Mathewson T. Occupational risk factors for the first-onset and subsequent course of low back trouble: a study of serving police officers. *Spine* 1996; 21: 2612-2620
- 53 Burton AK, Clarke RD, McClune TD, Tillotson KM. The natural history of back pain in adolescents. *Spine* 1996; 21: 2323-2328

- 54 Burton AK, Waddell G, Burtt R, Blair S. Patient educational material in the management of low back pain in primary care. *Bulletin Hospital for Joint Diseases* 1996; 55: 138-141
- 55 Burton AK, Low back pain in children and adolescents: to treat or not? *Bulletin Hospital for Joint Diseases* 1996; 55: 127-129
- 56 Symonds TL, Burton AK, Tillotson KM, Main CJ. Do attitudes and beliefs influence work loss due to low back trouble? *Occup Med* 1996; 46: 25-32
- 57 Symonds TL, Burton AK, Tillotson KM, Main CJ. Absence due to low back trouble can be reduced by psychosocial intervention at the workplace. *Spine* 1995; 20: 2738-2745
- 58 Main CJ, Burton AK. The patient with low back pain; who or what are we measuring? - an experimental investigation of a clinical puzzle. *Pain Reviews* 1995; 2: 203-209
- 59 Burton AK, Tillotson KM, Main CJ, Hollis S. Psychosocial predictors of outcome in acute and sub-chronic low-back trouble. *Spine* 1995; 20: 722-728
- 60 Brinckmann P, Frobin W, Biggemann M, Hilweg D, Seidel S, Burton K, Tillotson M, Sandover J, Atha J, Quinell R. Quantification of overload injuries of the thoracolumbar spine in persons exposed to heavy physical exertions or vibration at the workplace: Part I - The shape of vertebrae and intervertebral discs - study of a young, healthy population and a middle-aged control group. *Clin Biomech* 1994; 9, Supl 1: S5-S83
- 61 Burton AK, Tillotson KM, Boocock MG. Estimation of spinal loads in overhead work. *Ergonomics* 1994; 37: 1311-1321
- 62 Boocock MG, Jackson JA, Burton AK, Tillotson KM. Continuous measurement of lumbar posture using flexible electrogoniometers. *Ergonomics* 1994; 37: 175-185
- 63 Burton K, Bennett G, Sykes D. Persistence of lumbar tenderness after resolution of low back trouble symptoms. *Br Osteopath J* 1993; 11: 11-14
- 64 Althoff I, Brinckmann P, Frobin W, Sandover J, Burton K. An improved method of stature measurement for quantitative determination of spinal loading: application to sitting postures and whole body vibration. *Spine* 1992; 17: 682-693.
- 65 Burton AK, Tillotson KM. Does leisure sports activity influence lumbar mobility or the risk of low back trouble. *J Spinal Disorders* 1991; 4: 329-336.
- 66 Tillotson KM, Burton AK. Non-invasive measurement of lumbar sagittal mobility; an assessment of the flexicurve technique. *Spine* 1991; 16: 29-33.
- 67 Burton AK, Tillotson KM. Prediction of the clinical course of low-back trouble using multivariable models. *Spine* 1991; 16: 7-14
- 68 Burton AK. Measuring flexibility. *Appl Erg* 1991; 22: 303-307.
- 69 Burton AK. Complementary and allopathic cooperation (Editorial). *Br J Gen Pract* 1990; 40:478-9.
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Winner of 'Creative Excellence' award at the US International Film and Video Festival, this video delivers evidence-based advice on overcoming back pain through a mixture of activities and positive thinking. Containing all the latest thinking on the subject of back pain, this video could be given to sufferers by their doctor or therapist, or shown to employees by companies as part of their health and safety training. Visually exciting, myth busting, and authoritative advice in practical situations.

[YouTube clip: <http://www.youtube.com/watch?v=7ao9Y19TZJQ> ]

## INVITED PRESENTATIONS

- 2012 Health and Wellbeing @ Work conference. 'Early rehab is smarter rehab'. Birmingham, UK
- 2012 Improving the effectiveness of your consultation: a workshop for OH practitioners to support the clinical management of long term sickness absence. Royal College of Physicians/FOM. 'Work participation and the psychosocial flags framework'. London, UK
- 2012 King's College London - masters module. 'Keeping people at work'. London, UK
- 2011 ABI Motor Conference 2011. 'Can the cost of whiplash claims be effectively reduced?'. London, UK
- 2011 Whiplash Conference 2011. 'Putting whiplash and neck pain into perspective. Myths and obstacles – shifting the culture. Active management – the role of information and advice. London, UK
- 2011 Occupational disease conference 2011 – Berrymans Lace Mawer Solicitors. 'RSI Workshop'. Salford, UK
- 2011 WorkCover SA Annual Conference – Staying Connected. 'Recovering better at work – overcoming the obstacles'. Adelaide Convention Centre, Australia
- 2011 Vocational Rehabilitation Conference. 'Workshop – Early rehab is smarter rehab'. Royal Holloway, University of London, UK
- 2011 The Whiplash Conference. 7 Solicitors. 'Whiplash: myths and obstacles – shifting the culture'. Leeds, UK
- 2011 International Social Security Association: technical seminar 'Rehabilitation into the labour market: early rehab is smarter rehab'. Stockholm, Sweden
- 2010 XVII Brussels International Spine Symposium. 'Dazed and confused – and that's just the patient!'. Brussels, Belgium
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- 2006 Work & Health ( press launch of leaflet). Department of Health, London, UK,
- 2006 Rehabilitation & Ergonomics – Ergonomics Society One Day Conference. 'Concepts of rehabilitation for musculoskeletal disorders'. Liverpool, UK.
- 2006 HCLM: Evidence-based rehabilitation seminar. 'Concepts of rehabilitation for the management of common health problems'. London, UK
- 2006 Spine Society of Europe Spine Course - Low back pain. Course architect and chairman. Barcelona, Spain
- 2006 UK Government launch of '*Is work good for your health and well being?*' London, UK
- 2006 International Society for the Study of the Lumbar Spine – Special Volvo lecture. 'Low back pain: prevent, cure, or manage?'. Bergen, Norway
- 2006 EUMASS Congress – The Psychosocial Aspects of Disability and Healthcare. 'Beliefs and behaviours: shifting the culture'. Dublin, Ireland
- 2006 Keele University Seminar Programme. 'Low back pain: prevention, cure or management?' Keele, UK
- 2006 British Orthopaedic Association. 35<sup>th</sup> Instructional Course. 'Yellow flags'. Birmingham, UK
- 2005 Rehabilitation & Ergonomics – Ergonomics Society One Day Conference. 'Concepts of rehabilitation for musculoskeletal disorders'. Nottingham, UK
- 2005 Unveiling the occult in occupational medicine. 'Ergonomics – to do or not to do?' + 'You'll think it so till you make it so – the power of beliefs'. Keystone, CO, USA
- 2005 Injury in low velocity collisions conference. 'Psychosocial aspects'. Bristol, UK
- 2005 Back pain and rehabilitation for work conference. 'Obstacles to recovery and how to overcome them'. London, UK
- 2005 9<sup>th</sup> McKenzie Institute International Conference. 'Biomechanics v psychosocial' + 'Educational strategies and management of LBP'. Heraklion, Crete, Greece
- 2005 Rehabilitation First – dismantling the barriers. 'Psychological rehabilitation workshop'. Olympia, London, UK
- 2005 Primary Care 2005. 'Back pain: beliefs as obstacles to recover'. Birmingham, UK
- 2005 The XI Teesside Spine Symposium – medico-legal controversies in the spine. 'Back pain: ergonomics and manual handling regulations help' *and* 'Back pain: return to work – when and how?'. Crewe, UK
- 2005 Musculoskeletal disorders at work. 'What is the problem with MSDs?', London, UK
- 2005 Managing Absence at Work. 'Rehabilitation from common health problems', London, UK
- 2005 Medical practitioner learning – DWP Workshop. 'What works – getting the messages across', Sheffield, UK

- 2005 BetterHealth@Work- seminar at launch of local government pilot. 'Occupational back pain: health care, ergonomics or education?', Huddersfield, UK
- 2004 Chiropractic, osteopathy and physiotherapy: moving forward through research and practice. 'The back pain phenomenon'. London, UK
- 2004 Physiotherapy Pain Association, CSP Congress 2004. 'Managing occupational back pain: ergonomics, education or both?' Birmingham, UK
- 2004 American Academy of Disability Evaluating Physicians - Third Annual medical Evidence Conference. 'Occupational low back pain: its nature and management'. Dallas, TX, USA
- 2004 Beyond understanding? (launch of the UnumProvident Centre for Psychosocial and Disability Research, University of Cardiff). 'Screening to identify people at risk of long-term incapacity'. Cardiff, Wales, UK
- 2004 Occupational Health at Work conference. 'Occupational low back pain: its nature and management'. London, UK
- 2004 Industrial Injuries Advisory Council – Expert meeting on work related upper limb disorders. 'Exposure assessment'. London, UK
- 2004 General Osteopathic Council – Regional CPD Meeting. 'Manipulation for back pain – is there life after UK BEAM?'. London, UK
- 2004 Department for Work and Pensions in-house seminar. 'Some flags, some beliefs and some screening'. London, UK
- 2004 Occupational Medicine at The Alamo – 'Nature of back pain: management of erroneous beliefs – ergonomics, education or both?'. San Antonio, Texas, USA
- 2003 Sheffield Occupational Health Advisory Service - Managing long term sickness and rehabilitation. 'Back pain'. Sheffield, UK
- 2003 Institute of Occupational Health – Annual Workshop. 'The causes and management of low back pain at work'. Birmingham, UK
- 2003 Body @ Work seminar: Werken aan RSI, rugklachten en bewegen!. 'Low back pain in occupational health care'. Amsterdam, The Netherlands
- 2003 Back pain in school children, University of Surrey, UK
- 2003 The Power of Belief. RSM: Wales. 'Beliefs and obstacles to recovery in back pain'. Cardiff, Wales, UK
- 2003 Whiplash 2003. 'Is there a need for treatment guidelines?', Bath, UK
- 2003 Oxfordshire physiotherapy services training. Yellow fever – psychosocial aspects of pain. Oxford and Banbury, UK
- 2003 Institute of Osteopathic Postgraduate Studies. 'EBM Seminar'. Brighouse, UK
- 2003 North East Leeds PCT Study Day. 'Psychosocial issues and advice in back pain'. Bradford, UK
- 2002 Brussels International Spine Symposium – Degenerative disc... disease? Controversies in ethiopathogenesis, management and costs. 'Manipulation'. Brussels, Belgium.
- 2002 NIVA International Course on Occupational Ergonomics: Preventing Musculoskeletal Disorders and Facilitating Return to Work. 'Guidelines for occupational low back pain and disability' Bologna, Italy.

- 2002 Health & Safety at Work Conference 2002 (Butterworths Tolley). 'Early rehabilitation of workers at work'. London, UK
- 2002 Fit for work?. Seminar. Presentations on ergonomics and occupational health guidelines. London, UK
- 2002 Occupational Health Update – NI 2002. 'Back pain'. Belfast, Northern Ireland
- 2002 15<sup>th</sup> Actualités Médicales du Rachis. 'Y a-t-il un traitement manipulatif de l'instabilité'. Paris, France
- 2002 8<sup>th</sup> Teesside Spine Symposium. 'Back pain in children'. Harrogate, UK
- 2002 RSI: practical workplace management. 'Rehabilitation'. London, UK
- 2001 Annual Scientific Meeting of Taiwanese Society of Biomechanics. 'Physical loading and psychosocial factors in low back pain: a review'; 'Mechanical overload damage to the spine related to heavy work'. Taipei, Taiwan
- 2001 Ergo/mechanics – Interdisziplinärer Kongress Wirbelsäulenforschung. 'Körperliche Belastung und psychosoziale Faktoren als Ursache von Rückenschmerzen' (Physical stress and psychosocial factors as a cause of back pain). Amberg, Germany
- 2001 Fourth International Conference on Prevention of Work-related Musculoskeletal Disorders (PREMUS). Workshop – Systematic reviews in the field of musculoskeletal disorders at work. Amsterdam, NL
- 2001 Institute of Occupational Medicine/HSE:- *Delphi exercise on manual handling principles*. London, UK
- 2001 Leeds Orthopaedic Biomechanics Course. 'Influence of biomechanics on low back trouble'. Leeds, UK
- 2001 7<sup>th</sup> Teesside Spine Symposium. 'Whiplash – the evidence'. Bradford, UK
- 2001 Engineering Employers federation, *Rehabilitation at Work 2001* (Chairman). London, UK
- 2001 United States Senate, Committee on Appropriations, Subcommittee on Labour, Health and Human Resources, Education and related Issues:- *Witness evidence on proposed ergonomics rule*. Washington DC, USA
- 2000 Seminar. 'Biomechanical and psychosocial influences on low back pain'. Ulm, Germany
- 2000 Back Pain and Disability – Unravelling the Puzzle. 'The physical examination'. New York, USA
- 2000 Back Pain and Disability – Unravelling the Puzzle. 'Delayed recovery in community populations with low back pain'. New York, USA
- 2000 Brussels International Spine Symposium – Disc herniation in the third millennium. 'Manipulation for lumbar disc herniation?' Brussels, Belgium.
- 2000 Backworks (European Safety & Health Week) – HSEni. 'FOM Occupational Health Guidelines for Management of Low Back Pain at Work'. Belfast, Northern Ireland
- 2000 Third Congress of the European federation of IASP Chapters 'Information and advice to patients with back pain: does it have an effect?' Nice, France
- 2000 Scottish Ergonomics Forum. Epidemiological, Clinical and Functional Issues in the Diagnosis of Musculoskeletal Disorders. 'Occupational health guidelines and psychosocial issues'. Edinburgh, Scotland, UK

- 2000 6th Teesside Spine Symposium. 'Ergonomics and workplace factors' and 'Return to work'. Leeds, UK.
- 2000 Primary Care 2000. Active management of back pain – new approaches: 'Patient education'. NEC, Birmingham, UK
- 2000 Spine in Action Conference. 'Managing Back Pain in the Workplace'. Wellington, New Zealand (via live video link).
- 2000 Pain Society, Annual Scientific Meeting 2000. 'Approaches to rehabilitation' Symposium: Musculoskeletal pain in industry: prevention, retention and rehabilitation. Warwick, UK
- 2000 Ryggsmertter, Klinik og Forskning – Hvor star vi idag?. 'Evidence-based clinical guidelines for primary care of back pain, and the value of patient education'. Tromso, Norway.
- 1999 40<sup>th</sup> Congres annuel - Swiss Association of Manual Medicine. 'Simple education as a treatment of low back pain'. Interlaken, Switzerland
- 1999 The degenerative and inflammatory cervical spine. 'Manipulation'. Brussels, Belgium.
- 1999 Langvarige Muskelog Skjelettplager. 'Evidence-based clinical guidelines for primary care of back pain'. Bergen, Norway.
- 1999 Whiplash Associated Disorders – Instructional Course. 'The place of manipulation in WAD'. Tel Aviv, Israel.
- 1999 European Workshop: Rehabilitation: Prevention and treatment for musculoskeletal disorders. 'The effect of information and advice'. Brussels, Belgium.
- 1999 Beating Back Pain – Department of Health and Health & Safety Executive conference. Science Museum, London, UK.
- 1999 The Norfolk and Norwich Medico-Legal Society. 'Biomechanics and psychosocial influences in occupational low back pain'. Norwich, UK
- 1998 'Yellow Flags' Conference. Psychosocial influences on workloss in industry'. Manchester, UK
- 1998 7<sup>th</sup> National Conference on Pain Management Programmes – Expanding Horizons. 'Factors affecting disability and time off work'. University of Surrey, UK
- 1998 3<sup>rd</sup> Annual Congress European College of Sports Medicine. 'Spinal Loading and low back pain'. Liverpool, UK
- 1998 Second National Symposium: The Changing Face of Back Pain Management. 'The relative influence of biomechanical and psychosocial factors in low back pain'. Chester, UK
- 1998 Middlesborough Spine Symposium on Low Back Injury. 'Manipulative therapy for low back pain' and ' Prediction of chronicity in low back pain' and 'Biomechanics and psychosocial aspects of low back injury'. Middlesborough, UK
- 1998 Symposium contribution; 'The contribution of ergonomics to the understanding and prevention of musculoskeletal disorders – The role of psychosocial factors'. Stephen Pheasant Memorial Symposium. Ergonomics Society 1998 Annual Conference, Cirencester, UK
- 1997 Symposium contribution; 'Psychological aspects of low back pain'. British Psychological Society. The 1997 London Conference. London, UK
- 1997 Proof & prejudice – a combined symposium of BIMM and SOM, 'Early management to reduce disability due to low back pain – manipulation and education'. London, UK

- 1997 Lumbar segmental instability - Fact or fiction? 'Manipulative therapy'. Brussels, Belgium
- 1997 Management of low back pain: beyond rhetoric towards outcomes. Edmonton, Alberta, Canada
- 1997 1<sup>o</sup> Seminario de Fisioterapia: Lombalgias – prevencao e terapia. Lisbon, Portugal
- 1997 Seminar on the prevention of MSDs. Health & Safety Executive. Chester, UK
- 1997 Low back pain & disability - an interdisciplinary symposium. 'Early management to reduce disability - manipulative therapy and education'. Wirral, UK
- 1996 Institute of Medicine Law & Ethics. Back pain, work & the disability discrimination act. 'The workplace situation', Manchester, UK
- 1996 Wigan & Bolton Health Authority. Current evidence for managing simple acute back pain, Bolton, UK
- 1996 RCGP Quality Improvement Group Conference: Methods for Supporting Effective Clinical Practice, London, UK
- 1996 Pre-ISSLS Workshop, 'Contribution of biomechanics to prevention and treatment of low back pain', University of Vermont, USA
- 1996 11<sup>th</sup> Instructional Course, International Society for the Study of the Lumbar Spine, New York, USA
- 1996 4<sup>th</sup> International Conference on Spinal Surgery, Taipei, Taiwan
- 1996 State of the Art Developments in Low Back Disorder Prevention, Control and Treatment, St Louis, USA
- 1996 Seminar. 'Occupational risk factors for incidence and prevalence of low back pain'. Occupational & Industrial Orthopaedic Center, New York, USA
- 1995 Neural Networks in Medicine [co-organiser], University of Huddersfield, UK
- 1995 British Postgraduate Medical Foundation. 'Update for Occupational Health Physicians', Manchester, UK
- 1994 Symposium. 'Occupational Low Back Trouble', Edinburgh, UK
- 1994 Seminar. 'Stadiometry', University of Iowa, USA
- 1994 Seminar for Health & Safety Executive - 'Back Pain of Occupational Origin', Manchester, UK
- 1994 West Yorks Health Authority - Complimentary Therapies & NHS, Huddersfield, UK
- 1994 Western Pacific Orthopaedic Association, Taipei, Taiwan
- 1993 Clinical Standards Advisory Group Conference - Back Pain Management, London, UK
- 1993 Sainsburys Occupational Health Conference - 'Back pain and Absenteeism', Ware, UK
- 1992 British Society of Rheumatology - 'Spinal Disorders Course', Manchester, UK
- 1992 Physical Medicine Research Foundation - 'Disability and Spinal Problems', Oxford, UK
- 1992 EUROKINE 92 - Belgian/European Conference of Physiotherapy, Brussels, B
- 1991 Medical Research Council - Workshop. 'Research Needs in Back Pain', London, UK

- 1991 Society of Physiotherapists in Occupational Health - Symposium. 'Spinal Loading', Nottingham, UK
- 1990 Workshop. 'Current approaches to fitness testing' - Ergonomics Society, Leeds, UK
- 1990 Seminar. 'Low Back Trouble' - Newcastle, UK
- 1990 Course Team member, National Examinations Board in Occupational Safety & Health
- 1990 Clem Middleton Memorial Lecture - OAGB Convention, Cheltenham, UK
- 1989 Seminar. 'Identification of risk indicators for low back trouble' - Leeds, UK
- 1988 Faculty member - 'New Aspects of Low Back Pain' - Hirtshalls, DK
- 1988 Faculty member - 'Measurement in back pain' - Royal Society of Medicine, UK
- 1986 Faculty member - 'The Lumbar Spine and Back Pain' - DK, NL, and UK
- 1983 Faculty member - 'Aspects of Diagnosis' - British School of Osteopathy, UK