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**CUMULATIVE TRAUMA CONDITIONS
MEDICAL TREATMENT GUIDELINES
BIBLIOGRAPHY**

Adopted: September 16, 2010

1. Abrams, R. (2009). Endoscopic versus open carpal tunnel release. *JHS*. 34A, 535-539.
2. Adams, B., Pomerance, J., Nguyen, A., & Kuhl, T. (2009). Early outcome of spherical ceramic trapezial-metacarpal arthroplasty. *J. Hand Surg*. 34A:213-218.
3. Adams, J. Steinmann, S., & Culp, R. (2008). Trapezium-sparing options for thumb carpometacarpal joint arthritis. *Am J Orthop*. 37; 8 Suppl. 8-11.
4. Agarwal, V., Singh, R., Sachdev, A., Wiclaff, SS, & Goel, D. (2005). A prospective study of the long-term efficacy of local methyl prednisolone acetate injection in the management of mild carpal tunnel syndrome. *Rheumatology*. 44: 647-650.
5. Ahlborn, A., & Steineck, G. (1992). Aspects of misclassification of confounding factors. *American Journal of Industrial Medicine*. 21:107-112.
6. **Ali, K., & Sathiyasekaran, BWC. (2006). Computer professionals and carpal tunnel syndrome (CTS). *International Journal of Occupational Safety and Ergonomics (JOSE)*. 12; 3, 319-325. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**
7. Altman, R., & Barkin, R. (2009). Topical therapy for osteoarthritis: clinical and pharmacologic perspectives. *Postgrad Med*. 121(2): 139-47. Abstract Only.
8. **Altman, R., Dreiser, RL, Fisher, C., Chase, W., Dreher, D., & Zacher, J. (2009). Diclofenac sodium gel in patients with primary hand osteoarthritis: A randomized, double-blind, placebo-controlled trial. *Journal of Rheumatology*. 36: 1991-9. Assessment: High Quality. Used in Evidence Statement as defined in General Guidelines Principles.**
9. Amadio, P. (2009). Interventions for recurrent/persistent carpal tunnel syndrome after carpal tunnel release. *JHS*. 34A:1320-1322.
10. American Association of Neuromuscular & Electrodiagnostic Medicine. (1997). Practice parameter for electrodiagnostic studies in ulnar neuropathy at the elbow: Summary statement. <http://www.aanem.org/PracticeIssues/practiceguidelines/UlnarPracticeParameter.cfm>

11. American Association of Neuromuscular & Electrodiagnostic Medicine. (2002). Practice parameter for electrodiagnostic studies in carpal tunnel syndrome: Summary statement. *Muscle & Nerve* 25: 918-923.
<http://www.aanem.org/PracticeIssues/practiceguidelines/CTSPpracticeParameter.cfm>
12. American College of Occupational & Environmental Medicine (ACOEM). (2009). Ergonomic interventions for distal upper extremity musculoskeletal disorders with an occupational basis. Excerpt from Chapter II: Hand, wrist and forearm disorders.
13. American Conference of Governmental Industrial Hygienists - ACGIH. (2009). Hand activity level.
14. Amirjani, N., Ashworth, N., Watt, M., Gordon, T., & Chan, K. (2009). Corticosteroid iontophoresis to treat carpal tunnel syndrome: A double-blind randomized controlled trial. *Muscle Nerve*. 39: 627-633. Assessment: Inadequate.
15. Andersen, J., Haahr, J., & Frost, P. (2007). Risk factors for more severe regional musculoskeletal symptoms. *Arthritis & Rheumatism*. 56; 4, 1355-1364.
16. Andersen, J., Thomsen, J., & Overgaard, E. (2003). **Computer use and carpal tunnel syndrome. A 1-year follow-up study.** *JAMA*. 289; 22, 2963-2969. **Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**
17. Ang, C., Alviar, M., Dans, A., Bautista-Velez, G., Villaruz-Sulit, M., Tan, J., Co, H., Bautista, M., & Roxas, A. Vitamin B for treating peripheral neuropathy. *Cochrane Database of Systematic Reviews* 2008, Issue 3. Art. No.: CD004573. DOI: 10.1002/14651858.CD004573.pub3.
18. Armstrong, T., Buckle, P., Fine, L., Hagberg, M., Jonsson, B., Kilbom, A....& Viikari-Juntura, E. (1993). A conceptual model for work-related neck and upper-limb musculoskeletal disorders. *Scand J Work Environ Health*. 19: 73-84.
19. Armstrong, T., Dale AM, Franzblau, A., & Evanoff, B. (2008). Risk factors for carpal tunnel syndrome and median neuropathy in a working population. *JOEM*. 50: 12, 1355-1364.
20. Armstrong, T., Fine, J., Goldstein, S., Lifshitz, S., & Silverstein, B. (1987). Ergonomics considerations in hand and wrist tendinitis. *J Hand Surg Am*. 12 (5 Pt 2):830-7.
21. Armstrong, T., Fine, L., Radwin, R., & Silverstein, B. (1987). Ergonomics and the effects of vibration in hand-intensive work. *Scand J. Work Environ Health*. 13 (4): 286-9.
22. Aroori, S., & Spence, R. (2008). Carpal tunnel syndrome. *Ulster Med J*. 77 (1), 6-17.
23. Ashworth, N. (2007). Carpal tunnel syndrome. *BMJ Clinical Evidence*. 12:1114.
24. Ashworth, N. (2010). Carpal tunnel syndrome. *BMJ Clinical Evidence*. 03:1114.
25. Assmus, H., Antoniadis, G., Bischoff, A., Hoffmann, R., Martini, A., Preissler, P. ... & Wustner-Hofmann, M. (2009). [Diagnosis and therapy of cubital tunnel syndrome-state of the art] *Handchir Mikrochir Plast Chir*. 41:1, 2-12. Abstract Only.
26. Atcheson, S., Ward, J., & Lowe, W. (1998). Concurrent medical disease in work-related carpal tunnel syndrome. *AMA*. 158: 1506-1512.

27. Atroshi, I., Gummesson, C., Johnsson, R., & Ornstein, E. (2003). Diagnostic properties of nerve conduction tests in population-based carpal tunnel syndrome. *BMC Musculoskeletal Disorder*. 7, 4-9. Abstract Only.
28. Atroshi, I., Gummesson, C., Johnsson, R., Ornstein, E., Ranstam, J., & Rosen, I. (1999). Prevalence of carpal tunnel syndrome in a general population. *JAMA*. 281; 2, 153-158.
29. **Atroshi, I., Gummesson, C., Ornstein, E., Johnsson, R., & Ranstam, J. (2007). Carpal tunnel syndrome and keyboard use at work. A population-based study. *Arthritis & Rheumatism*. 56; 11, 3620-3625. Assessment: High Quality. Used in Evidence Statement as defined in General Guidelines Principles.**
30. Axelson, O., & Westberg, H. (1992). Introductory note on the concepts of exposure and dose in occupational epidemiology. *American Journal of Industrial Medicine*. 21: 3-4.
31. **Ayhan, F., & Ustun, N. (2009). The evaluation of efficacy and tolerability of Hylan G-F 20 in bilateral thumb base osteoarthritis: 6 months follow-up. *Clin Rheumatol*. 28: 535-541. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**
32. Badalamente, M., & Hurst, L. (2007). Efficacy and safety of injectable mixed collagenase subtypes in the treatment of Dupuytren's contracture. *J. Hand Surg Am*. 32 (6): 767-74.
33. Badia, A. (2008). Total joint arthroplasty for the arthritic thumb carpometacarpal joint. *American Journal of Orthopedics*. 37:4-7.
34. Bahadir, C., Onal, B., Dayan, V., & Gurer, N. (2009). Comparison of therapeutic effects of sodium hyaluronate and corticosteroid injections on trapeziometacarpal joint osteoarthritis. *Clin Rheumatol*. 28: 529-533.
35. Baker, K., Senior, H., & Parag, V. (2007). Therapeutic ultrasound for soft-tissue injuries of the elbow (Protocol). *Cochrane Database of Systematic Reviews* 2007, Issue 1. Art. No.: CD006368. DOI: 10.1002/14651858.CD006368.
36. Bao, S., Howard, N., Spielholz, P., & Silverstein, B. (2007). Two posture analysis approaches and their application in a modified rapid upper limb assessment evaluation. *Ergonomics*. 50; 12, 2118-2136.
37. Bao, S., Spielholz, P., Howard, N., & Silverstein, B. (2009). Application of the strain index in multiple task jobs. *Applied Ergonomics*. 40; 56-68.
38. Barnhart, S., Demers, P., Miller, M., Longstreth, WT, & Rosenstock, L. (1991). Carpal tunnel syndrome among ski manufacturing workers. *Scand J Work Environ Health*. 17; 46-52.
39. Barnhart, S., & Rosenstock, L. (1987). Carpal tunnel syndrome in grocery checkers. A cluster of a work-related illness. Clinical Review. *West J Medicine*. 147: 37-40.
40. Bartels, RHMA, Termeer, E., Vander Wilt, G., Van Rossum, L., Meulstee, J., Verhagen, W., & Grotenhuis, J. (2005). Simple decompression or anterior subcutaneous transposition for ulnar neuropathy at the elbow: A cost-minimization analysis-part 2. *Neurosurgery*. 56; 3, 531-536. Assessment: Inadequate.
41. Bartels, RHMA, & Verbeek, ALM. (2007). Risk factors for ulnar nerve compression at the elbow: a case control study. *Acta Neurochiro (Wein)* 149; 669-674.

42. Baskurt, F., Ozcan, A., & Algun, C. (2003). Comparison of effects of phonophoresis and iontophoresis of naproxen in the treatment of lateral epicondylitis. *Clinical Rehabilitation*. 17; 96. Assessment: Inadequate.
43. Batterson, R., Hammond, A., Burke, F., & Sinha, S. (2008). The de Quervain's screening tool: Validity and reliability of a measure to support clinical diagnosis and management. *Musculoskeletal Care*. 6 (3): 168-180. DOI: 10.1002.
44. Baysal, O., Altay, Z., Ozcan, C., Ertem, K., Yologlu, S., & Kayhan, A. (2006). Comparison of three conservative treatment protocols in carpal tunnel syndrome. *Int J. Clin Pract.* 60: 7, 820-828.
45. **Belcher, H., & Nicholl, J. (2000). A comparison of trapeziectomy with and without ligament reconstruction and tendon interposition. *Journal of Hand Surgery. (British and European Volume) 25B: 350-356. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles***
46. **Berggren, M., Joost-Davidsson, A., Lindstrand, J., Nylander, G., & Povslen, B. (2001). Reduction in the need for operation after conservative treatment of osteoarthritis of the first carpometacarpal joint: a seven year prospective study. *Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery*. 34: 4, 415-417. Assessment: Adequate.**
47. Bernaards, C., Ariens, G., & Hildebrandt, V. (2006). The (cost-) effectiveness of a lifestyle physical activity intervention in addition to a work style intervention on the recovery from neck and upper limb symptoms in computer workers. *BMC Musculoskeletal Disorders*. 7:80, 1471-2474.
48. Bernard, B., Sauter, S., Fine, L., Petersen, M., & Hales, T. (1992). Psychosocial and work organization risk factors for cumulative trauma disorders in the hands and wrists of newspaper employees. *Scand J Work Environ Health*. 18: Suppl 2: 119-20.
49. Bernard, T., Wilder, F., Aluoch, M., & Leaverton, P. (2010). Job-related osteoarthritis of the knee, foot, hand, and cervical spine. *Journal of Environmental Medicine*. 52; 1, 33-38.
50. Bernstein, M., Nagle, D., Martinez, A., Stogin, J., & Wiedrich, T. (2004). A comparison of combined arthroscopic triangular fibrocartilage complex debridement and arthroscopic wafer distal ulna resection versus arthroscopic triangular fibrocartilage complex debridement and ulnar shortening osteotomy for ulnocarpal abutment syndrome. *Journal of Arthroscopic and Related Surgery*. 20: 4, 392-401.
51. **Bhattacharya, R., Birdsall, P., & Stothard, J. (2004). A randomized controlled trial of knifelight and open carpal tunnel release. *Journal of Hand Surgery. (British & European) 29B:113-115. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles***
52. Biggs, M., & Curtis, J. (2006). Randomized, prospective study comparing ulnar neurolysis in situ with submuscular transposition. *Neurosurgery*. 58 (2): 296-304. Abstract Only.
53. **Bisset, L., Beller, E., Jull, G., Brooks, P., Darnell, R., & Vicenzino, B. (2006). Mobilisation with movement and exercise, corticosteroid injection, or wait and see for tennis elbow: randomised trial. *British Medical Journal*. doi: 10.1136/bmj.38961.584653.AE Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles**

54. Bisset, L., Paungmali, Q., Vicenzino, B., & Beller, E. (2005). A systematic review and meta-analysis of clinical trials on physical interventions for lateral epicondylagia. *Br J Sports Med.* 39; 411-422. doi: 10.1136/bjism.2004.016170. Assessment: Adequate. Used in evidence statement as defined in *General Guidelines Principles*
55. Bjordal, J., Lopes-Martins, R., Joensen, J., Couppe, C., Ljunggren, A., Stergioulas, A., & Johnson, M. (2008). A systematic review with procedural assessments and meta-analysis of low level laser therapy in lateral elbow tendinopathy (tennis elbow). *BMC Musculoskeletal Disorders.* 9: 75. Assessment: Inadequate.
56. Blair, A., Stewart, P., Lubin, J., & Forastiere, F. (2007). Methodological issues regarding confounding and exposure misclassification in epidemiological studies of occupational exposures. *American Journal of Industrial Medicine.* 50: 199-207.
57. Bonfiglioli, R., Mattioli, S., Fiorentini, C., Graziosi, F., Curti, S., & Violante, F. (2007). Relationship between repetitive work and the prevalence of carpal tunnel syndrome in part-time and full-time female supermarket cashiers: a quasi-experimental study. *Int Arch Occup Environ Health.* 80: 248-253.
58. Bongers, F., Schellevis, F., van den Bosch, W., & van der Zee, W. (2007). Carpal tunnel syndrome in general practice (1987 and 2001): incidence and the role of occupational and non-occupational factors. *British Journal of General Practice.* 57: 36-39.
59. Boocock, M., Collier, J., McNair, P., Simmonds, M., Larmer, P., & Armstrong, B. (2009). A framework for the classification and diagnosis of work-related upper extremity conditions: A systematic review. *Semin Arthritis Rheum.* 38: 296-311.
60. Boocock, M., McNair, P., Larmer, P., Armstrong, B., Collier, J., Simmonds, M., & Garrett, N. (2007). Interventions for the prevention and management of neck/upper extremity musculoskeletal conditions: a systematic review. *Occup Environ Med.* 64; 291-303.
61. Boya, H., Ozcan, O., & Oztekin, H. (2008). Long-term complications of open carpal tunnel release. *Muscle & Nerve.* 39: 1443-1446.
62. Bovenzi, M. (2010). A prospective cohort study of exposure-response relationship for vibration-induced white finger. *Occup Environ Med.* 67: 38-46.
63. Boyer, M. (2008). Corticosteroid injection for carpal tunnel syndrome. *JHS.* 33A, 1414-1416.
64. Brauer, C., & Mikkelsen, S. (2003). The context of a study influences the reporting of symptoms. *Int Arch Occup Environ Health.* 76: 621-624.
65. Bridgeman, C., Naidu, S., & Kothari, M. (2007). Clinical and electrophysiological presentation of pronator syndrome. *Electromyogr. Clin. Neurophysiol.* 47: 89-92.
66. Brininger, T., Rogers, J., Holm, M., Baker, N., Li, ZM, & Goitz, R. (2007). Efficacy of a fabricated customized splint and tendon and nerve gliding exercises for the treatment of carpal tunnel syndrome: A randomized controlled trial. *Arch Phys Med Rehabil.* 88: 1429-35.
67. Brosseau, L., Casimiro, L., Milne, S., Welch, V., Shea, B., Tugwell, P., & Wells, G. Deep transverse friction massage for treating tendinitis. *Cochrane Database of Systematic Reviews* 2002, Issue 4. Art. No. CD003528. DOI: 10.1002/14761858.CD003528.

68. Buchbinder, R., Green, S., Bell, S., Barnsley, L., Smidt, N., Assendelft, W., & Johnston, R. Surgery for lateral elbow pain. *Cochrane Database of Systematic Reviews* 2002, Issue 1. Art. No.: CD003525. DOI: 10.1002/14651858.CD003525.
69. Buchbinder, R., Green, S., & Struijs, P. (2008). Tennis elbow. *BMJ Clinical Evidence*. 05:1117.
70. Buchbinder, R., Green, S., Youd, J., Assendelft, W., Barnsley, L., & Smidt, N. Shock wave therapy for lateral elbow pain. *Cochrane Database of Systematic Reviews* 2005, Issue 4. Art. No.: CD003524. DOI: 10.1002/14651858.CD003524.pub2. *Used in evidence statement as defined in General Guidelines Principles.*
71. Burdorf, A., & van der Beek, A. (1999). Exposure assessment strategies for work-related risk factors for musculoskeletal disorders. *Scand J Work Environ Health*. 25 suppl., 4:25-30.
72. Burke, F., Bradley, M., Sinha, S., Shaw Wilgis, EF, & Dubin, N. (2007). Primary care management of patients with carpal tunnel syndrome referred to surgeons: are non-operative interventions effectively utilised? *Postgrad. Med. J.* 83: 498-501.
73. Burke, F., Shaw Wilgis, EF, Dubin, N., Bradley, M., & Sinha, S. (2006). Relationship between the duration and severity of symptoms and the outcome of carpal tunnel surgery. *J Hand Surgery*. 31A: 1478-1482.
74. Burke, J., Buchberger, D., Carey-Loghmani, T., Dougherty, P., Greco, D., & Dishman, J. (2007). A pilot study comparing two manual therapy interventions for carpal tunnel syndrome. *Journal of Manipulative and Physiological Therapeutics*. 30: 1, 50-61.
75. Calfee, R., Patel, A., DaSilva, M., & Akelman, E. (2008). Management of lateral epicondylitis: Current concepts. *J Am Acad Orthop Surg*. 16, 1: 19-29.
76. California / Occupational Safety & Health Administration Cal/OSHA. (1999). Easy ergonomics. http://www.dir.ca.gov/dosh/dosh_publications/ComputerErgo.pdf p5.
77. Campbell, W., & Landau, M. (2008). Controversial entrapment neuropathies. *Neurosurg Clin N Am*. 19: 597-608. Doi:10.1016/j.nec.2008.07.001.
78. Cantor, R., Stern, P., Wyrick, J., & Michaels, S. (1994). The relevance of ligament tears or perforations in the diagnosis of wrist pain: An arthrographic study. *J Hand Surg*. 19A: 945-953.
79. Capasso, M., Manzoli, C., & Uncini, A. (2009). Management of extreme carpal tunnel syndrome: evidence from a long-term follow-up study. *Muscle & Nerve*. 86-93.
80. Chan, L., Turner, J., Comstock, B., Levenson, L., Hollingworth, W., Heagerty, P...& Jarvik, J. (2007). The relationship between electrodiagnostic findings and patient symptoms and function in carpal tunnel syndrome. *Arch Phys Med Rehabil*. 88: 19-24.
81. Chang, CW., Wang, YC, & Chang, KF. (2008). A practical electrophysiological guide for non-surgical and surgical treatment of carpal tunnel syndrome. *Journal of Hand Surgery*. 33E: 1, 32-37.
82. Chang, WD., Wu, JH, JA, J., Yeh, CY, & Tsai, CT. (2008). Carpal tunnel syndrome treated with a diode laser: A controlled treatment of the transverse carpal ligament. *Photomedicine and Laser Surgery*. 26:6, 551-557. Assessment: Inadequate.

83. Chatterjee, D., Barwick, D., & Petrie, A. (1982). Exploratory electromyography in the study of vibration-induced white finger in rock drillers. *British Journal of Industrial Medicine*. 39: 89-97.
84. Cheng, C., Mackinnon-Patterson, B., Beck, J., & Mackinnon, S. (2008). Scratch collapse test for evaluation of carpal and cubital tunnel syndrome. *J Hand Surg*. 33A: 1518-1524.
85. Cherniack, M., Brammer, A., Lundstrom, R., Morse, T., Neely, G., Nilsson, T...& Dussetschleger, J. (2008). Syndromes from segmental vibration and nerve entrapment: observations on case definitions for carpal tunnel syndrome. *Int Arch Occup Environ Health*. 81: 661-669.
86. Cherniack, M., Brammer, A., Nilsson, T., Lundstrom, R., Meyer, J., Morse, T...& Fu, RW. (2006). Nerve conduction and sensorineural function in dental hygienists using high frequency ultrasound handpieces. *Am J Ind Med*. 49 (5):313-26. Abstract Only.
87. Cheung, J., Fung, B., Ip, W., & Chow, S. (2008). Occupational repetitive strain injuries in Hong Kong. *Hong Kong Med J*. 14; 4, 296-302.
88. **Chiang, HC, Chen, SS, Yu, HS, & Ko, YC. (1990). The occurrence of carpal tunnel syndrome in frozen food factory employees. *Kaosiung J. Med. Sci.* 6; 73-80. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
89. Conlon, C., Krause, N., & Rempel, D. (2008). A randomised controlled trial evaluating an alternative mouse and forearm support on upper body discomfort and musculoskeletal disorders among engineers. *Occup. Environ. Med*. 65; 311-318.
90. Conlon, C., Krause, N., & Rempel, D. (2009). A randomised controlled trial evaluating an alternative mouse or forearm support on change in median and ulnar nerve motor latency at the wrist. *American Journal of Industrial Medicine*. 52: 304-310.
91. **Cook, A., Szabo, R., Birkholz, S., & King, E. (1995). Early mobilization following carpal tunnel release. A prospective randomized study. *Journal of Hand Surgery (British and European)*. 20B:2, 228-230. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
92. Cosgrove, J., Chase, P., Mast, N., & Reeves, R. (2002). Carpal tunnel syndrome in railroad workers. *Am J Phys Med Rehabil*. 81: 101-107.
93. Crawford, F., & Thompson, C. Interventions for treating plantar heel pain. *Cochrane Database of Systematic Reviews* 2003, Issue 3, Art. No.:CD000416. DOI: 10.1002/14651858.CD000416.
94. Crowther, M., Bannister, G., Huma, H., & Rooker, G. (2002). A prospective, randomised study to compare extracorporeal shock-wave therapy and injection of steroid for the treatment of tennis elbow. *Journal of Bone and Joint Surgery (Br)*. 84-B: 678-9. Assessment: Inadequate.
95. Da Costa, B., & Vieira, E. (2010). Risk factors for work-related musculoskeletal disorders: A systematic review of recent longitudinal studies. *American Journal of Industrial Medicine*. 53: 285-323.
96. Damen, A., Dijkstra, T., van der Lei, B., den Dunnen, W., & Robinson, P. (2001). Long-term results of arthrodesis of the carpometacarpal joint of the thumb. *Scand J. Plast Reconstr Hand Surg*. 35: 407-413.

97. D'Arcy, C., & McGee, S. (2000). Does this patient have carpal tunnel syndrome? *JAMA*. 283; 23, 3110-3117.
98. Darowish, M., Lawton, J., & Evans, P. (2009). What is cell phone elbow, and what should we tell our patients? *Cleveland Clinic of Journal of Medicine*. 76:5, 306-308.
99. **Davis, T., Brady, O., & Dias, J. (2004). Excision of the trapezium for osteoarthritis of the trapeziometacarpal joint: A study of the benefit of ligament reconstruction or tendon interposition. *The Journal of Hand Surgery*. 29A: 1069-1077. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles**
100. Day, C., & Ramirez, M. (2006). Thumb metacarpophalangeal arthritis: Arthroplasty or fusion? *Hand Clin*. 22: 211-220.
101. De Angelis, M., Pierfelice, F., Di Giovanni, P., Staniscia, T., & Uncini, A. (2009). Efficacy of a soft hand brace and a wrist splint for carpal tunnel syndrome: randomized controlled study. *Acta Neurol Scand*. 119: 68-74.
102. Deal, CL, Schnitzer, TJ, Lipstein, E., Seibold, JR., Stevens, RM, Levy, MD...& Renold, F. (1991). Treatment of arthritis with topical capsaicin: a double-blind trial. *Clin Therapy*. 13 (3): 383-95.
103. DeKrom, MCTFM, Kester, A., Knipschild, P., & Spaans, F. (1990). Risk factors for carpal tunnel syndrome. *American Journal of Epidemiology*. 132; 6, 1102-1110.
104. Demure, B., Mundt, K., Bigelow, C., Luippold, R., Ali, D., & Leise, B. (2000). Video display terminal workstation improvement program: II. Ergonomic intervention and reduction of musculoskeletal discomfort. *Journal of Occupational and Environmental Medicine*. 42,8.
105. **Descatha, A., Leclerc, A., Chastang, JF, & Roquelaure, Y. (2003). Medial epicondylitis in occupational settings: Prevalence, incidence and associated risk factors. *J Occup Environ Med*. 45; 9, 993-1001. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
106. **Descatha, A., Leclerc, A., Chastang, JF, & Roquelaure, Y. (2004). Incidence of ulnar nerve entrapment at the elbow in repetitive work. *Scand J Work Environ Health*. 30(3): 234-240. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
107. Descatha, A., Roquelaure, Y., Chastang, JF, Evanoff, B., Cyr, D., & Leclerc, A. (2009). Description of outcomes of upper-extremity musculoskeletal disorders in workers highly exposed to repetitive work. *J Hand Surg*. 34A: 890-895.
108. Descatha, A., Roquelaure, Y., Evanoff, B., Chastang, JF, Cyr, D., & Leclerc, A. (2008). Do workers with self-reported symptoms have an elevated risk of developing upper extremity musculoskeletal disorders three years later? *Occup Environ Med*. 65; 3, 205-207.
109. Descatha, A., Roquelaure, Y., Evanoff, B., Mariel, J., & Leclerc, A. (2007). Predictive factors for incident musculoskeletal disorders in an in-plant surveillance program. *Ann. Occup. Hyg*. 51, 3: 337-344.
110. DeVos, R., Weir, A., van Schie, H., Bierma-Zeinstra, S., Verhaar, J., Weinans, H., & Tol, J. (2010). Platelet-rich plasma injection for chronic achilles tendinopathy. *JAMA*. 303; 2, 144-149.

111. Dias, J., Burke, F., Wildin, C., Heras-Palou, C., & Bradley, M. (2004). Carpal tunnel syndrome and work. *Journal of Hand Surgery (British and European Volume)*. 29B: 4, 329-333.
112. Dillon, C., Petersen, M., & Tanaka, S. (2002). Self-reported hand and wrist arthritis and occupation: Data from the US national health interview survey-occupational health supplement. *American Journal of Industrial Medicine*. 42: 318-327.
113. Drug and Therapeutics Bulletin. (2009). Management of carpal tunnel syndrome. *BMJ*. 47:8 86-89.
114. Dyer, G., Lozano-Calderon, S., Gannon, C., Baratz, M., & Ring, D. (2008). Predictors of acute carpal tunnel syndrome associated with fracture of the distal radius. *J Hand Surg*. 33A: 1309-1313.
115. Earp, B. (2008). Treatment of advanced CMC joint disease: trapeziectomy and implant arthroplasty (silastic-metal-synthetic allograft). *Hand Clinic*. 24; 277-283.
116. Ebenbichler, G., Erdogmus, C., Resch, K., Funovics, M., Kainberger, F., Barisani, G....& Fialka-Moser, V. (1999). Ultrasound therapy for calcific tendinitis of the shoulder. *NEJM*. 340; 20, 1533-8.
117. **Ebenbichler, G., Resch, K., Nicolakis, P., Weisinger, G., Uhl, F., Abdel-Halim, G., & Fialka, V. (1998). Ultrasound treatment for treating the carpal tunnel syndrome: randomised “sham” controlled trial. *BMJ*. 316; 731-5. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
118. Englund, M., Paradowski, P., & Lohmander, L. (2004). Association of radiographic hand osteoarthritis with radiographic knee osteoarthritis after meniscectomy. *Arthritis Rheum*. 50(2): 469-75. Abstract Only.
119. Erkin, G., Uysal, H., Keles, I., Aybay, C., & Ozel, S. (2006). Acute ulnar neuropathy at the wrist: a case report and review of the literature. *Rheumatol Int*. 27: 191-196. DOI 10.1007/s00296-006-0166-8.
120. Erridge, S., Moller, H., Price, A., & Brewster, D. (2007). International comparisons of survival from lung cancer: pitfalls and warnings. *Nature Clinical Practice*. 4; 10, 570-877.
121. **Espandar, R., Heidari, P., Rasouli, M.R., Saadat, S., Farzan, M., Rostami, M., ...& Mortazavi, J. (2010). Use of anatomic measurement to guide injection of botulinum toxin for the management of chronic lateral epicondylitis: A randomized controlled trial. *Canadian Medical Association Journal (CMAJ)*, 182: 8, 768-773. Assessment: High-Quality. Used in evidence statement as defined in General Guidelines Principles**
122. Evcik, D., Kavuncu, V., Cakir, T., Subasi, V., & Yaman, M. (2007). Laser therapy in the treatment of carpal tunnel syndrome: A randomized controlled trial. *Photomedicine and Laser Surgery*. 25:1, 34-39. Assessment: Inadequate.
123. Faes, M., van den Akker, B., de Lint, J., Kooloos, J., & Hopman, M. (2006). Dynamic extensor brace for lateral epicondylitis. *Clinical Orthopaedics and Related Research*. 442; 149-157.
124. Falkiner, S., & Myers, S. (2002). When exactly can carpal tunnel syndrome be considered work-related? *ANZ J. Surg*. 72: 204-209.

125. Fallentin, N., Viikari-Juntura, E., Waersted, M., & Kilbom, A. (2001). Evaluation of physical workload standards and guidelines from a Nordic perspective. *Scand J Work Environ Health*. 27 suppl 2: 1-52.
126. **Fan, Z., Silverstein, B., Bao, S., Bonauto, D., Howard, N., Spielholz, P... & Viikari-Juntura, E. (2009). Quantitative exposure-response relations between physical workload and prevalence of lateral epicondylitis in a working population. *American Journal of Industrial Medicine*. 52: 479-490. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.**
127. **Feveile, H., Jensen, C., & Burr, H. (2002). Risk factors for neck-shoulder and wrist-hand symptoms in a 5-year follow-up study of 3,990 employees in Denmark. *Int. Arch Occup Environ Health*. 75; 243-251. Assessment: Adequate.**
128. Field, J., & Buchanan, D. (2007). To suspend or not to suspend: a randomized single blind trial of simple trapeziectomy versus trapeziectomy and flexor carpi radialis suspension. *Journal of Hand Surgery. (European Volume)* 32E: 4, 462-466. Assessment: Inadequate.
129. **Fink, M., Wolkenstein, E., Karst, M., & Gehrke, A. (2002). Acupuncture in chronic epicondylitis: a randomized controlled trial. *Rheumatology*. 41: 205-209. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
130. Food and Drug Administration (n.d.). www.fda.gov/drugs@fda/
131. Forthman, C. (2009). Management of advances trapeziometacarpal arthrosis. *JHS*. 34A: 331-334.
132. **Fransen, M., Anderson, C., Douglas, J., MacMahon, S., Neal, B., & Norton, R. (2006). Safety and efficacy of routine postoperative ibuprofen for pain and disability related to ectopic bone formation after hip replacement surgery (HIPAID): Randomized controlled trial. *BMJ*. 1-5. DOI: 10.1136/bjm.38925.471146.4F (published 2 August 2006). Assessment: High-quality. Used in evidence statement as defined in General Guidelines Principles.**
133. Fricke, M., Fallis, D., Jones, M., & Luszko, G. (2005). Consumer health information on the internet about carpal tunnel syndrome: Indicators of accuracy. *The American Journal of Medicine*. 118; 168-174.
134. **Frost, P., Andersen, JH, & Nielsen, VK. (1998). Occurrence of carpal tunnel syndrome among slaughterhouse workers. *Scand J Work Environ Health*. 24(4), 285-292. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
135. Fuchs, S., Monikes, R., Wohlmeiner, A., & Heyse, T. (2006). Intra-articular hyaluronic acid compared with corticoid injections for the treatment of rhizarthrosis¹. *Osteoarthritis and Cartilage*. 14, 82-88. Assessment: Inadequate.
136. **Gardner, B., Dale, AM, VanDillen, L., Franzblau, A., & Evanoff, B. (2008). Predictors of upper extremity symptoms and functional impairment among workers employed for 6 months in a new job. *American Journal of Industrial Medicine*. 51; 932-940. Assessment: Adequate.**
137. **Garfinkel, M., Singhal, A., Katz, W., Allan, D., Reshetar, R., & Schumacher, R. (1998). Yoga-based intervention for carpal tunnel syndrome. A randomized trial. *JAMA*.**

280:18, 1601-1603. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.

138. Gell, N., Werner, R., Franzblau, A., Ulin, S., & Armstrong, T. (2005). A longitudinal study of industrial and clerical workers: incidence of carpal tunnel syndrome and assessment of risk factors. *Journal of Occupational Rehabilitation*. 15; 1, 47-55.
139. Gellman, H. (2008). Compression of the ulnar nerve at the elbow: Cubital tunnel syndrome. *AAOS Instructional Course Lectures*. 57: 187-197.
140. *General Hospital Corporation*. (2008). Standardized evaluation of pain (StEP) neuropathic pain.
141. Geoghegan, J., Clark, D., Bainbridge, L., Smith, C., & Hubbard, R. (2004). Risk factors in carpal tunnel syndrome. *Journal of Hand Surgery (British and European Volume)*. 4; 315-320.
142. Gerr, F., Marcus, M., Ensor, C., Kleinbaum, D., Cohn, S., Edwards, A....& Monteilh, C. (2002). A prospective study of computer users: 1. Study design and incidence of musculoskeletal symptoms and disorders. *American Journal of Industrial Medicine*. 41: 221-235. Assessment: Inadequate.
143. Gerr, F., Marcus, M., Monteilh, C., Ortiz, D., & Kleinbaum, D. (2005). A randomised controlled trial of postural interventions for prevention of musculoskeletal symptoms among computer users. *Occup Environ Med*. 62; 478-487.
144. **Gerritsen, A., Korthals-de Bos, I., Laboyrie, P., de Vet, H., Scholten, R., & Bouter, L. (2002). Splinting vs surgery in the treatment of carpal tunnel syndrome. A randomized controlled trial. *JAMA*. 288; 10, 1245-1251. Assessment: High Quality. ***Used in evidence statement as defined in General Guidelines Principles**
145. Gerritsen, A., Korthals-de Bos, I., Laboyrie, P., de Vet, H., Scholten, R., & Bouter, L. (2003). Splinting for carpal tunnel syndrome: prognostic indicators of success. *J Neurol Neurosurg Psychiatry*. 74: 1342-1344.
146. Geutjens, G., Langstaff, R., Smith, N., Jefferson, D., Howell, C., & Barton, N. (1996). Medial epicondylectomy or ulnar-nerve transposition for ulnar neuropathy at the elbow? *J Bone Joint Surg. [Br]* 78-B: 777-9. Assessment: Inadequate.
147. Giele, H. (2008). Carpal tunnel - are non-operative interventions effectively utilised? *Post Graduate Medical Journal*. 83; 498-501.
148. *Goetz: Textbook of Clinical Neurology, 3rd Ed.* (2007). Examination of the position, touch, and vibratory sensory systems. MD Consult.
149. Golomb, B., Yaghmai, R., Renvall, M., & Ramsdell, J. (2010). Electronic medical records and upper extremity symptoms: Pain with the gain? *Arch Intern Med*. 170; 7, 655-656.
150. Gong, HS, Oh, JH, Bin, SW, Kim, WS, Chung, MS, & Baek, GH. (2008). Clinical features influencing the patient-based outcome after carpal tunnel release. *J Hand Surg*, 33A: 1512-1517.
151. **Gorsche, R., Wiley, J., Renger, R., Brand, R., Gemer, T., & Sasyniuk, T. (1998). Prevalence and incidence of stenosing flexor tenosynovitis (Trigger finger) in a meat-packing plant. *Journal of Occupational and Environmental Medicine*. 40; 6.**

Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.

152. Graham, B. (2009). Nonsurgical treatment of carpal tunnel syndrome. *JHS*. 34A, 531-534.
153. Graham, J., Hulkower, S., & Bosworth, M. (2007). Are steroid injections effective for tenosynovitis of the hand? *The Journal of Family Practice*. 56:12, 1045-1047.
154. Green, S., Buchbinder, R., Barnsley, L., Hall, S., White, M., Smidt, N., & Assendelft, W. Non-steroidal anti-inflammatory drugs (NSAIDs) for treating lateral elbow pain in adults. *Cochrane Database of Systematic Reviews* 2001, Issue 4. Art. No., CD003686. DOI: 10.1002/14651858.CD003686.
155. Green, S., Buchbinder, R., Barnsley, L., Hall, S., White, M., Smidt, N., & Assendelft, W. Acupuncture for lateral elbow pain. *Cochrane Database of Systematic Reviews* 2002, Issue 1. Art. No.: CD003527. DOI: 10.1002/14651858.CD003527.
156. Ha, C., Roquelaure, Y., Leclerc, A., Touranchet, A., Goldberg, M., & Imbernon, E. (2009). The French musculoskeletal disorders surveillance program: Pays de la loire network. *Occup Environ Med*. 66: 471-479.
157. **Haahr, J., & Anderson, J. (2003a). Physical and psychosocial factors for lateral epicondylitis (LE): a population based case-referent study. *Occup. Environ Med*. 60: 322-329. Assessment: Adequate.**
158. Haahr, J., & Andersen, J. (2003b). Prognostic factors in lateral epicondylitis: a randomized trial with one-year follow-up in 266 new cases treated with minimal occupational intervention or the usual approach in general practice. *Rheumatology*. 42:1216-1225.
159. **Haake, M., Konig, I., Decker, T., Riedel, C., Buch, M., & Muller, HH. (2002). Extracorporeal shock wave therapy in the treatment of lateral epicondylitis. *Journal of Bone and Joint Surgery*. 84-A: 11, 1982-1991. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.**
160. Haase, S., & Chung, K. (2009). The cost-effectiveness of nonsurgical versus surgical treatment for carpal tunnel syndrome: Invited commentary. *JHS*. 34A, 1201-1203.
161. Hadler, N. (1997). Editorial. Carpal tunnel syndrome, diagnostic conundrum. *The Journal of Rheumatology*. 24:3, 417-419.
162. Hadler, N. (1997). Repetitive upper-extremity motions in the workplace are not hazardous. *The Journal of Hand Surgery*. 22A; 19-20.
163. Hagberg, M. (1992). Exposure variables in ergonomic epidemiology. *American Journal of Industrial Medicine*. 21: 91-100.
164. Hagberg, M., Morgenstern, H., & Kelsh, M. (2002). Impact of occupations and job tasks on the prevalence of carpal tunnel syndrome. *Scand J Work Environ Health*. 18: 337-45.
165. Hakim, A., Cherkas, L., Zayat, S., Macgregor, A., & Spector, T. (2002). The genetic contribution to carpal tunnel syndrome in women: A twin study. *Arthritis & Rheumatism*. 47: 3, 275-279.
166. Handoll, H., & Vaghela, M. Interventions for treating mallet finger injuries. *Cochrane Database of Systematic Reviews* 2004, Issue 3. Art. No.: CD004574. DOI: 10.1002/14651858.CD004574.pub2.

167. Hansen, P., Micklesen, P., & Robinson, L. (2004). Clinical utility of the flick maneuver in diagnosing carpal tunnel syndrome. *American Journal of Physical Medicine & Rehabilitation*. 83, 5: 363-367.
168. Hansson, GA, Balogh, I., Ohlsson, K., Palsson, B., Rylander, L., & Skerfving, S. (2000). Impact of physical exposure on neck and upper limb disorders in female workers. *Applied Ergonomics*. 31, 301-310.
169. Hartigan, B., Stern, P., & Keifhaber, T. (2001). Thumb carpometacarpal osteoarthritis: Arthrodesis compared with ligament reconstruction and tendon interposition. *Journal of Bone and Joint Surgery*. 83: 1470-1478.
170. Hattis, D., & Burmaster, D. (1994). Assessment of variability and uncertainty distributions for practical risk analysis. *Risk Analysis*. 14; 5, 713-729.
171. Heebner, M., & Roddey, T. (2008). The effects of neural mobilization in addition to standard care in persons with carpal tunnel syndrome from a community hospital. *J Hand Therapy*. 21: 229-41.
172. **Helm, R., & Vaziri, S. (2003). Evaluation of carpal tunnel release using the Knifelight[®] instrument. *J Hand Surg Br*. 28B: 251-4. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles**
173. Henry, M., & Stutz, C. (2006). A unified approach to radial tunnel syndrome and lateral tendinosis. *Techniques in Hand & Upper Extremity Surgery*. 10(4), 200-205.
174. Heyworth, B., Lee, J., Kim, P., Lipton, C., Strauch, R., & Rosenwasser, M. (2008). Hylan versus corticosteroid versus placebo for treatment of basal joint arthritis: A prospective, randomized, double-blinded clinical trial. *Journal of Hand Surgery*. 33A, 40-48. Assessment: Inadequate.
175. Horlock, N., & Belcher, H. (2002). Early versus late mobilisation after simple excision of the trapezium. *Journal of Bone & Joint Surgery*. 84-B, 8: 1111-5.
176. Holness, D., Beaton, D., & House, R. (1998). Prevalence of upper extremity symptoms and possible risk factors in workers handling paper currency. *Occup. Med.* 48; 4, 231-236.
177. Homan, M., & Armstrong, T. (2003). Evaluation of three methodologies for assessing work activity during computer use. *American Industrial Hygiene Association Journal*. 64: 48-55.
178. Hou, WH, Hsu, JH, Lin, CH, & Liang, H. (2007). Carpal tunnel syndrome in male visual display terminal (VDT) workers. *American Journal of Industrial Medicine*. 50: 1, 1-7.
179. **Hui, ACF, Wong, S., Leung, CH, Tong, P., Mok, V., Poon, D...& Boet, R. (2005). A randomized controlled trial of surgery vs steroid injection for carpal tunnel syndrome. *Neurology*. 64: 2074-2078. Assessment: High-quality. Used in evidence statement as defined in General Guidelines Principles**
180. Huisstede, B., Miedema, H., van Opstal, T., de Ronde, M., Kuiper, J., Verhaar, J., & Koes, B. (2006). Interventions for treating the posterior interosseus nerve syndrome: A systematic review of observational studies. *Journal of the Peripheral Nervous System*. 11: 101-110.
181. Huisstede, B., Miedema, H., van Opstal, T., de Ronde, M., Kuiper, J., Verhaar, J., & Koes, B. (2008). Interventions for treating the radial tunnel syndrome: A systematic review of observational studies. *J Hand Surg*. 33A: 72-78.

182. **Hurst, L., Badamente, M., Hentz, V., Hotchkiss, R., Kaplan, T., Meals, R... & Rodzvilla, J. (2009). Injectable collagenase clostridium histolyticum for Dupuytren's contracture. *New Engl. J. Med.* 361:968-79. Assessment: High Quality.**
183. Ibrahim, T., Tleyjeh, IM, & Gabbar, O. (2009). Surgical versus non-surgical treatment of chronic low back pain: a meta-analysis of randomised trials. *International Orthopaedics (SICOT)* 33: 589-590. DOI 10.1007/s00264-008-0665-1.
184. Ijmker, S., Huysmans, MA, Blatter, BM, van der Beek, AJ, van Mechelen, W., & Bongers, PM. (2009). Should office workers spend fewer hours at their computers? A systematic review of the literature. *Occup Environ Med.* 64: 211-222. doi: 10.1136/oem.2006.026468.
185. Ilyas, A. (2009). Nonsurgical treatment for de Quervain's tenosynovitis. *J Hand Surg.* 34A, 928-929.
186. Impink, B., Boninger, M., Walker, H., Collinger, J., & Niyonkuru, C. (2009). Ultrasonographic median nerve changes after a wheelchair sporting event. *Arch Phys Med Rehabil.* 90: 1489-94.
187. Irvine, J., Chong, S., Amirjani, N., & Chan, M. (2004). Double-blind randomized controlled trial of low-level laser therapy in carpal tunnel syndrome. *Muscle Nerve.* 30: 182-187. Assessment: Inadequate.
188. Janwantanakul, P., Pensri, P., Jiamjarasrangsi, W., & Sinsongsook, T. (2010). The relationship between upper extremity musculoskeletal symptoms attributed to work and risk factors in office workers. *Int Arch Occup Environ Health.* DOI 10.1007/s00420-009-0466-x.
189. **Jarvik, J., Comstock, B., Kliot, M., Tuner, J., Chan, L., Heagerty, P. ...& Deyo, R. (2009). Surgery versus non-surgical therapy for carpal tunnel syndrome: a randomised parallel-group trial. *Lancet.* 374: 1074-81. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.**
190. **Jensen, C. (2003). Development of neck and hand-wrist symptoms in relation to duration of computer use at work. *Scand J Work Environ Health.* 29 (3); 197-205. Assessment: Adequate. Lassen, C., Mikkelsen, S., Kryger, A., Brandt, L., Overgaard, E., Thomsen, J...& Andersen, J. (2004). Elbow and wrist/hand symptoms among 6,943 computer operators: A 1-year follow-up study (The NUDATA study). *American Journal of Industrial Medicine.* 46; 521-533. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**
191. Jepsen, J., & Thomsen, G. (2006). A cross-sectional study of the relation between symptoms and physical findings in computer operators. *BMC Neurology.* 6:40. doi: 10.1186/1471-2377-6-40.
192. Jerosch-Herold, C. (2003). A study of the relative responsiveness of five sensibility tests for assessment of recovery after median nerve injury and repair. *Journal of Hand Surgery. (British and European Volume).* 28B: 3:255-260.
193. Jerosch-Herold, C. (2005). Assessment of sensibility after nerve injury and repair: a systematic review of evidence for validity, reliability and responsiveness of tests. *Journal of Hand Surgery (British and European Volume).* 30B: 3; 252-264.
194. Jerosch-Herold, C. (2006). A systemic review of outcomes assessed in randomized controlled trials of surgical interventions for carpal tunnel syndrome using the international

classification of functioning, disability and health (ICF) as a reference tool. *BMC Musculoskeletal Disorders*. 7: 96, 1471-2474.

195. Jianmongkol, S., Kosuwon, W., Thumroj, E., & Sumanont, S. (2005). Prevalence of carpal tunnel syndrome in workers from a fishnet factory in Thailand. *Hand Surgery*. 10, 1: 67-70.
196. Johnston, R., Buchbinder, R., Green, S., Assendelft, W., & Smidt, N. Topical glyceryl trinitrate for lateral elbow pain. *Cochrane Database of Systematic Reviews* 2007, Issue 1. Art. No.: CD006350. DOI: 10.1002/14651858.CD006350.
197. June, L. (2006). Rheumatic diseases that can be confused with work-related upper extremity disorders. *Clin Occup Environ Med*. 5(2): 397-405. Abstract Only.
198. Kahan, A., Uebelhart, D., De Vathaire, F., Delmas, P., & Reginster, J. (2009). Long-term effects of chondroitins 4 and 6 sulfate on knee osteoarthritis. The study on osteoarthritis progression prevention, a two-year, randomized double-blind, placebo-controlled trial. *Arthritis & Rheumatism*. 60; 2, 524-533.
199. Kamolz, L-P, Beck, H., Haslik, W., Hogler, R., Rab, M., Schrogendorfer, K., & Frey, M. (2004). *Journal of Hand Surgery (British and European Volume)*. 29B: 321-324.
200. Kao, S. (2003). Carpal tunnel syndrome as an occupational disease. *J Am Board Fam Pract*. 16: 533-42.
201. Kaplan, S., Glicke, S., & Eaton, R. (1990). Predictive factors in the non-surgical treatment of carpal tunnel syndrome. *Journal of Hand Surgery*. 15B: 106-108.
202. Karatay, S., Aygul, R., Melikoglu, MA, Yildirim, K., Ugur, M., Erdal, A. ... & Senel, K. (2009). The comparison of phonophoresis, iontophoresis and local steroid injection in carpal tunnel syndrome treatment. *Joint Bone Spine. Letters to the Editor*. 76; 718-725.
203. Katz, J., Larson, M., Sabra, A., Krarup, C., Stirral, C., Sethi, R....& Liang, M. (1990). The carpal tunnel syndrome: Diagnostic utility of the history and physical examination findings. *Annals of Internal Medicine*. 112: 321-327.
204. Katz, J., Punnett, L., Simmons, B., Fossel, A., Mooney, N., & Keller, R. (1995). Workers' compensation recipients with carpal tunnel syndrome: The validity of self-reported health measures. *American Journal of Public Health*. 86: 1, 52-56.
205. Keir, P., Bach, J., Hudes, M., & Rempel, H. (2007). Guidelines for wrist posture based on carpal tunnel pressure thresholds. *Human Factors*. 49: 1, 88-99.
206. Keir, P., Bach, J., & Rempel, D. (1999). Effects of computer mouse design and task on carpal tunnel pressure. *Ergonomics*. 42: 10, 1350-1360.
207. Keith, M., Masear, V., Amadio, P., Andary, M., Barth, R., Graham, B... & McGowan, R. (2009). Treatment of carpal tunnel syndrome. *J Am Acad Orthop Surg*. 17:6, 397-405.
208. Kennedy, C., Amick, III, B., Dennerlein, J., Brewer, S., Catli, S., Williams, R....& Rempel, D. (2009). Systematic review of the role of occupational health and safety interventions in the prevention of upper extremity musculoskeletal symptoms, signs, disorders, injuries, claims and lost time. *J Occup Rehabil*. DOI 10.1007/s10926-009-9211-2.
209. Kenniston, J., & Bozenthka, D. (2008). Treatment of advanced carpometacarpal joint disease: Arthrodesis. *Hand Clinic*. 24: 285-294.

210. Ketchum L., Donahue, T., & Park, O. (2000). The injections of nodules of Dupuytren's disease with triamcinolone acetonide. *J Hand Surg.* 25A: 1157-1162.
211. Khan, K., Cook, J., Bonar, F., Harcourt, P., & Astrom, M. (1999). Histopathology of common tendinopathies. Update and implications for clinical management. *Sports Med.* (6): 393-408.
212. Khan, K., Cook, J., Kannus, P., Maffulli, N., & Bonar, SF. (2002). Time to abandon the "tendinitis" myth. *BMJ.* 324; 626-627.
213. Korthals-de Bos, I., Gerritsen, A., van Tulder, M., Rutten-van Molken, M., Ader, H., de Vet, H., & Bouter, L. (2006). Surgery is more cost-effective than splinting for carpal tunnel syndrome in the Netherlands: results of an economic evaluation alongside a randomized controlled trial. *BMC Musculoskeletal Disorders.* 7:86, 1471-2474.
214. Kotani, K., Barrero, LJ, Lee, DL, & Dennerlein, JT. (2007). Effect of horizontal position of the computer keyboard on upper extremity posture and muscular load during computer work. *Ergonomics.* 50:9; 1419-1432.
215. Kryger, A., Andersen, J., Lassen, C., Brandt, L., Vilstrup, E., Overgaard, E.... & Mikkelsen, S. (2003). Does computer use pose an occupational hazard for forearm pain; from the NUDATA study. *Occup Environ Med.* 60:e14.
216. Lam, N., & Thurston, A. (1998). Association of obesity, gender, age and occupation with carpal tunnel syndrome. *Aust NZJ Surg.* 68: 190-193.
217. Lanska, D. (2006). Functional weakness and sensory loss. *Seminars in Neurology.* 26:3, 297-309.
218. Lassen, C., Mikkelsen, S., Kryger, A., & Andersen, J. (2005). Risk factors for persistent elbow, forearm, and hand pain among computer workers. *Scand J Work Environ Health.* 31(2); 122-131.
219. **Lassen, C., Mikkelsen, S., Kryger, A., Brandt, L., Overgaard, E., Thomsen, J....& Andersen, J. (2004). Elbow and wrist/hand symptoms among 6,943 computer operators: A 1-year follow-up study (The NUDATA study). *American Journal of Industrial Medicine.* 46; 521-533. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**
220. Latko, W., Armstrong, T., Foulke, J., Herrin, G., Rouborn, R., & Ulin, S. (1007). Development and evaluation of an observational method for assessing repetition in hand tasks. *American Industrial Hygiene Association Journal.* 58: 278-285.
221. **Leclerc, A., Landre, MF, Chastang, JF, Niedhammer, I., & Roquelaure, Y. (2001). Upper-limb disorders in repetitive work. *Scand J Work Environ Health.* 27(4): 268-278. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
222. Lee, JH, An, JH, Lee, SH., & Hwang, EY. (2009). Effectiveness of steroid injection in treating patients with moderate and severe degree of carpal tunnel syndrome measured by clinical and electrodiagnostic assessment. *Clin J. Pain.* 25, 2: 111-115.
223. Liljelind, I., Wahlstrom, J., Nilsson, L., Persson, M., & Nilsson, T. (2009). Can we explain the exposure variability found in hand-arm vibrations when using angle grinders? A round robin laboratory study. *Int Arch Occup Environ Health.* DOI 10.1007/s00420-009-0498-2.

224. Lincoln, A., Vernick, J., Ogaitis, S., Smith, G., Mitchell, C., & Agnew, J. (2000). Interventions for the primary prevention of work-related carpal tunnel syndrome. *Am J Prev. Med.* 18 (4S): 37-50.
225. **Lindstrom, D., Azodi, O.S., Wladis, A., Tonnesen, H., Linder, S., Nasell, H.,& Adami, J. (2008). Effects of a perioperative smoking cessation intervention on postoperative complications: A randomized trial. *Annals of Surgery*, 248, 5: 739-745. DOI: 10.1097/SLA.0b013e3181889d0d. Assessment: Adequate.**
226. Liss, G., & Stock, S. (1996). Can Dupuytren's contracture be work-related? Review of the evidence. *American Journal of Industrial Medicine.* 29: 521-532.
227. Lo, S., Raskin, K., Lester, H., & Lester, B. (2002). Carpal tunnel syndrome: a historical perspective. *Hand Clinics.* 18: 211-217.
228. Lowe, W. (2008). Suggested variations on standard carpal tunnel syndrome assessment tests. *Journal of Bodywork and Movement Therapies.* 12: 151-157.
229. Lozano-Calderon, S., Anthony, S., & Ring, D. (2008). The quality and strength of evidence for etiology: Example of carpal tunnel syndrome. *American Society for Surgery of the Hand.* 33A: 525-538.
230. Lucas, G., Bricchet, A., Roquelaure, Y., Leclerc, A., & Descatha, A. (2008). Dupuytren's disease: Personal factors and occupational exposure. *American Journal of Industrial Medicine.* 51:9-15.
231. Ly-Pen, D., Andreu, JL, de Blas, G., Sanchez-Olaso, A., & Millan, I. (2005). Surgical decompression versus local steroid injection in carpal tunnel syndrome. *Arthritis & Rheumatism.* 52: 2, 612-619. Assessment: Inadequate.
232. Macadam, S., Gandhi, R., Bezuhy, M., & Lefaiivre, K. (2008). Simple decompression versus anterior subcutaneous and submuscular transposition of the ulnar nerve for cubital tunnel syndrome: A meta-analysis. *J Hand Surg.* 33A:1314-1324.
233. **Macfarlane, G., Hunt, I., & Silman, A. (2000). General practice. Role of mechanical and psychosocial factors in the onset of forearm pain: prospective population based study. *BMJ.* 321, 1-5. Assessment: Adequate**
234. Maggard, M., Harness, N., Chang, W., Parikh, J., Asch, S., & Nuckols, T. (No date). Indications for performing carpal tunnel surgery: Clinical quality measures.
235. **Maghsoudipour, M., Moghimi, S., Dehghaan, F., & Rahimpanah, A. (2008). Association of occupational and non-occupational risk factors with the prevalence of work related carpal tunnel syndrome. *J Occup Rehabil.* 18; 152-156. Assessment: Adequate**
236. Mallon, W., Misamore, G., Snead, D., & Denton, P. (2004). The impact of preoperative smoking habits on the results of rotator cuff repair. *J Shoulder Elbow Surg.* 13: 129-32.
237. Mandelli, C., & Baiguini, M. (2009). Ulnar nerve entrapment neuropathy at the elbow: decisional algorithm and surgical considerations. *Neurocirugia.* 20: 31-38.
238. Manente, G., Torrieri, F., Di Blasio, F., Staniscia, T., Romano, F., & Uncini, A. (2001). An innovative hand brace for carpal tunnel syndrome: a randomized controlled trial. *Muscle & Nerve.* 24: 1020-1025.

239. Marcus, M., Gerr, F., Monteilh, C., Ortiz, D., Gentry, E., Cohen, S....& Kleinbaum, D. (2002). A prospective study of computer users: ii. Postural risk factors for musculoskeletal symptoms and disorders. *American Journal of Industrial Medicine*. 41: 236-249.
240. Margolis, W., & Kraus, J. (1987). The prevalence of carpal tunnel syndrome symptoms in female supermarket checkers. *Journal of Occupational Medicine*. 29: 12, 953-956.
241. Marklin, R., & Simonau, G. (2004). Design features of alternative computer keyboards: a review of experimental data. *J Orthop Sports Phys. Therapy*. 34(10): 638-49. Abstract Only.
242. Marshall, S., Tardif, G., & Ashworth, N. Local corticosteroid injection for carpal tunnel syndrome. *Cochrane Database of Systematic Reviews* 2007, Issue 2, Art. No. CD001554. DOI: 10.1002/14651858.CD001554.pub.2.
243. Martimo, K., Shiri, R., Miranda, H., Ketola, R., Varonen, H., & Viikari-Juntura, E. (2009). Self-reported productivity loss among workers with upper extremity disorders. *Scand J Work Environ Health*. 35(4): 301-308.
244. **Martimo, K., Shiri, R., Miranda, H., Ketola, R., Varonen, H., & Viikari-Juntura, E. (2010). Effectiveness of an ergonomic intervention on the productivity of workers with upper-extremity disorders - a randomized controlled trial. *Scand J Work Environ Health*. 36 (1): 25-33. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
245. Martin, C. (2007). Musculoskeletal disorders of the upper extremities. Are they associated with computer work? *Work Safe*. 1-166.
246. Martou, G., Veltri, K., & Thoma, A. (2004). Surgical treatment of osteoarthritis of the carpometacarpal joint of the thumb: A systemic review. *Plastic and Reconstructive Surgery*. 114: 2, 421-432.
247. Massey-Westropp, N., Johnston, R., & Hill, C. (2008). Post-operative therapy for metacarpophalangeal arthroplasty. *Cochrane Database of Systematic Reviews*. Issue 1, Art No. CD003522. DOI: 10.1002/14651858.CD003522.pub2.
248. **Mattioli, S., Baldasseroni, A., Bovenzi, M., Curti, S., Cooke, R., Campo, G....& Violante, F. (2009). Risk factors for operated carpal tunnel syndrome: a multicenter population-based case-control study. *BMC Public Health*. 9:343. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
249. **Mazieres, B., Rouanet, S., Guillon, Y., Scarsi, C., & Reiner, V. (2005). Topical ketoprofen patch in the treatment of tendinitis; A randomized, double blind, placebo controlled study. *J. Rheumatology*. 32; 1563-70. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
250. McAtamney, L., & Corlett, EN. (1993). Rapid Upper Limb Assessment (RULA). Institute for occupational ergonomics. *Applied Ergonomics*. 24 (20): 91-99.
251. McCarthy, GM, & McCarty, DJ. (1992). Effect of topical capsaicin in the therapy of painful osteoarthritis of the hands. *J Rheumatol*. 19 (4): 604-7.
252. **McKeon, J.M.M., Yancosek, K.E. (2008). Neural gliding techniques for the treatment of carpal tunnel syndrome: A systematic review. *Journal of Sport Rehabilitation*.17: 324-341. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**

253. McHardy, A., Hoskins, W., Pollard, H., Olney, R., & Windsham, R. (2008). Literature Review. Chiropractic treatment of upper extremity conditions: A systematic review. *J Manipulative Physiol Ther.* 31: 146-159.
254. McNamara, B. (2003). Clinical anatomy of the median nerve. *ACNR.* 2; 6, 19-20.
255. McNamara, B. (2004). Neurophysiologists: Quirky boffins? *ACNR.* 3; 6, 15-16.
256. **Meenagh, G., Patton, J., Kynes, C., & Wright, G. (2004). A randomised controlled trial of intra-articular corticosteroid injection of the carpometacarpal joint of the thumb in osteoarthritis. *Ann Rheum Dis.* 63: 1260-1263, doi: 10.1135/ard.2003.015438. Assessment: High-quality.**
257. Meknas, K., Odden-Milland, A., Mercer, J., Castillejo, M., & Johansen, O. (2008). Radiofrequency microtenotomy. *American Journal of Sports Medicine.* 36; (10), 1960-1965. Assessment: Inadequate.
258. Melhorn, JM, & Ackerman, W. (2008). Guides to the evaluation of disease and injury causation. *American Medical Association.*
259. Michlovitz, S. (2008). Clinical commentary in response to: The effects of neutral mobilization in addition to standard care in persons with carpal tunnel syndrome from a community hospital. *Journal of Hand Therapy.* 242-244.
260. Michlovitz, S., Hun, L., Erasala, G., Hengehold, D., & Weingand, K. (2004). Continuous low-level heat wrap therapy is effective for treating wrist pain. *Arch Phys Med Rehabil.* 85(9): 1409-16. Abstract Only.
261. Miedany, Y., Ashour, S., Youssef, S., Mehanna, A., & Meky, F. (2008). Clinical diagnosis of carpal tunnel syndrome: Old test-new concepts. *Joint Bone Spine.* 75: 451-457.
262. Mikkelsen, S., Vilstrup, I., Lassen, C., Kryer, A., Thomsen, J., & Andersen, J. (2007). Validity of questionnaire self-reports on computer, mouse and keyboard usage during a four-week period. *Occup Environ Med.* 64; 541-547.
263. Miller, M., & Topliss, D. (1988). Chronic upper limb pain syndrome (repetitive strain injury) in the Australian workforce: A systematic cross sectional rheumatological study of 229 patients. *J Rheumatol.* 15: 1705-1712.
264. Mishra, A., & Pavelko, T. (2006). Treatment of chronic elbow tendinosis with buffered platelet-rich plasma. *American Journal of Sports Medicine.* 34, 11: 1774-1778.
265. Mishra, S., Prabhakar, S., Lal, V., Modi, M., Das, C., & Khurana, D. (2006). Efficacy of splinting and oral steroids in the treatment of carpal tunnel syndrome: A prospective randomized clinical and electrophysiological study. *Neurology India.* 54, 3: 286-290.
266. Moe, R., Kjekken, I., Uhlig, T., & Hagen, K. (2009). There is inadequate evidence to determine the effectiveness of nonpharmacological and nonsurgical interventions for hand osteoarthritis: An overview of high-quality systematic reviews. *Physical Therapy.* 89; 12, 1363-1370.
267. Moghtaderi, A., Bakhshipour, A., & Rashidi, H. (2006). Validation of Michigan neuropathy screening instrument for diabetic peripheral neuropathy. *Clinical Neurology and Neurosurgery.* 108: 477-481.

268. Moghtaderi, A., Izadi, S., & Sharafadinzadeh, N. (2005). An evaluation of gender, body mass index, wrist circumference and wrist ratio as independent risk factors for carpal tunnel syndrome. *Acte Neurol Scand.* 112: 375-379.
269. Moore, JS, & Garg, A. (1995). Strain index (SI). *American Industrial Hygiene Journal.* 56: 443-58.
270. Moraska, A., Chandler, C., Edminston-Schaetzel, A., Franklin, G., Calenda, E., & Enebo, B. (2008). Comparison of a targeted and general massage protocol on strength, function, and symptoms associated with carpal tunnel syndrome: A randomized pilot study. *The Journal of Alternative and Complementary Medicine.* 14:3, 259-267.
271. Muller, M., Tsui, D., Schnurr, R., Biddulph-Deisroth, L., Hard, J., & MacDermid, J. (2004). Effectiveness of hand therapy interventions in primary management of carpal tunnel syndrome: A systematic review. *Journal of Hand Therapy.* 17: 210-228.
272. Nabhan, A., Ahlhelm, F., Kelm, J., Reith, W., Schwerdtfeger, K., & Steudel, W. (2005). Simple decompression or subcutaneous anterior transposition of the ulnar nerve for cubital tunnel syndrome. *Journal of Hand Surgery Br.* 30B; 5, 521-524. Assessment: Inadequate.
273. **Naeser, M., Hahn, KA, Lieberman, B., & Branco, K. (2002). Carpal tunnel syndrome pain treated with low-level laser and microamperes transcutaneous electric nerve stimulation: A controlled study. *Arch Phys Med Rehabil.* 83; 978-988. Assessment: Adequate.**
274. **Najm, W., Reinsch, S., Hoehler, F., Tobis, J., & Harvey, P. (2004). S-Adenosyl methionine (SAME) versus celecoxib for the treatment of osteoarthritis symptoms: A double-blind cross-over trial. *BMC Musculoskeletal Disorders.* 5(6); 1-15. Assessment: Adequate.**
275. Nakamichi, K., Tachibaba, S., Ida, M., & Yamamoto, S. (2009). Patient education for the treatment of ulnar neuropathy at the elbow. *Arch Phys Med Rehabil.* 90; 1839-45.
276. Nalamachu, S., Crockett, RS, Gammaitoni, A., & Gould, E. (2006a). A comparison of the lidocaine patch 5% vs Naproxen 500 mg twice daily for the relief of pain associated with carpal tunnel syndrome: A 6-week, randomized, parallel-group study. *Medscape General Medicine.* 8(3): 33. Assessment: Inadequate.
277. Nalamachu, S., Crockett, RS, & Mathur, D. (2006b). Lidocaine patch 5% for carpal tunnel syndrome: How it compares with injections: A pilot study. *Journal of Family Practice.* 55; (3), 209-214. Assessment: Inadequate.
278. Nathan, P., Istvan, J., & Meadows, K. (2005). A longitudinal study of predictors of research-defined carpal tunnel syndrome in industrial workers: Findings at 17 years. *Journal of Hand Surgery (British and European Volume).* 30B: 593-598.
279. Nathan , P., Keniston, R., Myers, L. & Meadows K. (1992) Longitudinal study of median nerve sensory conduction in industry: Relationship to age, gender, hand of dominance, occupational hand use and clinical diagnosis. *J. Hand Surg.* 17A:850-7.
280. Nathan, P. Meadow, K., & Doyle, L. (1988). Occupation as a risk factor for impaired sensory conduction of the median nerve at the carpal tunnel. *The Journal of Hand Surgery.* 13B, 2: 167-170.
281. Nathan, P., Meadows, K., & Istvan, J. (2002). Predictors of carpal tunnel syndrome: An 11-year study of industrial workers. *The Journal of Hand Surgery.* 27A: 644-651.

282. *National Institute of Occupational Safety and Health [NIOSH]. (1997). Musculoskeletal disorders and workplace factors. A critical review of epidemiologic evidence for work-related musculoskeletal disorders of the neck, upper extremity, and low back. NIOSH publication No: 97-141. <http://www.cdc.gov/niosh/docs/97-141/ergotxt5a.html>. Used in Evidence Statement. As defined in General Guidelines Principles.*
283. Nichols, A. (2005). Complications associated with the use of corticosteroids in the treatment of athletic injuries. *Clin J Sport Med. 15 (5): 370-5. Abstract Only.*
284. Nicoletti, S., Carino, M., DiLeone, G., Trani, G., Carella, F., Rubino, G...& Ambrosi, L. (2008). Prevalenza delle pathologie da sovraccarico biomeccanico degli arti superiori negli addetti del comparto del mobile imbottito. *Med. Lav. 99,4: 271-280.*
285. Niedhammer, I. (2002). Psychometric properties of the French version of the karasek job content questionnaire: a study of the scales of decision latitude, psychological demands, social support, and physical demands in the GAZEL cohort. *Int Arch Occup Environ Health. 75: 129-144.*
286. Nirschl, R. (1992). Elbow tendinosis/Tennis elbow. *Clinics in sports Medicine. 11; 4: 651-569.*
287. Nirschl, R., Rodin, D., Ochiai, D., & Maartmann-Moe, C. (2003). Iontophoretic administration of dexamethasone sodium phosphate for acute epicondylitis. A randomized, double-blinded, placebo-controlled study. *American Journal of Sports Medicine. 31; 2: 189-195. Assessment: Inadequate.*
288. Nordander, C., Ohlsson, K., Akesson, I., Arvidsson, I. Balogh, I., Hansson G. ...& Skerfving, S. (2010). Risk of musculoskeletal disorders among females and males in repetitive/constrained work. *Ergonomics. 52; 10, 1226-1239.*
289. **Nordstrom, DL., Vierkant, R., DeStefano, F., & Layde, P. (1997). Risk factors for carpal tunnel syndrome in a general population. *Occupational and Environmental Medicine. 54: 734-740. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.***
290. Nourbakhsh, MR, & Fearon, F. (2008). An alternative approach to treating lateral epicondylitis. A randomized, placebo-controlled, double-blinded study. *Clinical Rehabilitation. 22; 601-609. Assessment: Inadequate.*
291. Nourbakhsh, MR, & Fearon, F. (2008). The effect of oscillating-energy manual therapy on lateral epicondylitis: A randomized, placebo-control, double-blinded study. *Journal of Hand Therapy. 21; 4-14. Assessment: Inadequate.*
292. Novak, C. (2004). Upper extremity work-related musculoskeletal disorders: A treatment perspective. *J Orthop Sports Phys Ther. 34:628-637.*
293. Novak, C., Lee, G., Mackinnon, S., & Lay, L. (1994). Provocative testing for cubital tunnel syndrome. *Journal of Hand Surgery. 19A: 817-820.*
294. Occupational Medicine Practice Guidelines. (2008). Evaluation and management of common health problems and functional recovery in workers. *American College of Occupational and Environmental Medicine (ACOEM).*
295. Occupational Safety & Health Service (OSHA). (1988). <http://www.osha.gov/Publications/videoDisplay/videoDisplay.html>

296. O'Connor, D., Marshall, S., & Massy-Westropp, N. Non-surgical treatment (other than steroid injection) for carpal tunnel syndrome. *Cochrane Database of Systematic Reviews* 2003, Issue 1: Art. No.:CD003219. DOI:10.1002/14651858.CD003219. *Used in evidence statement as defined in General Guidelines Principles.*
297. Oken, O., Kahraman, Y., Ayhan, F., Canpolat, S., & Yorgancioglu, Z. (2008). The short-term efficacy of laser, brace, and ultrasound treatment in lateral epicondylitis: a prospective, randomized, controlled trial. *J Hand Therapy*. 21; 63-8. Assessment: Inadequate.
298. Olney, J., Quenzer, D., & Makowsky, M. (no date). Contested claims in carpal tunnel surgery: Outcome study of worker's compensation factors. *The Iowa Orthopaedic Journal*. 19: 111-121.
299. **Ono, Y., Nakamura, R., Shimaoka, M., Hiruta, S., Hattori, Y., Ichihara, G....& Takeuchi, Y. (1998). Epicondylitis among cooks in nursery schools. *Occup Environ Med*. 55: 172-179. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles**
300. Ortiz-Corredor, F., Enriquez, F., Diaz-Ruiz, J., & Calambas, N. (2008). Natural evolution of carpal tunnel syndrome in untreated patients. *Clinical Neurophysiology*. 119: 1373-1378.
301. Oskay, D., Meric, A., Kirdi, N., Firat, T., Ayhan, C., & Leblebicioglu, G. (2010). Case Report. Neurodynamic mobilization in the conservative treatment of cubital tunnel syndrome: Long-term follow-up of 7 cases. *J. Manipulative Physiol Ther*. 33: 156-163.
302. Osorio, A., Ames, R., Jones, J., Castorina, J., Rempel, D., Estrin, W., & Thompson, D. (1994). Carpal tunnel syndrome among grocery store workers. *American Journal of Industrial Medicine*. 25: 229-245.
303. O'Sullivan, L., & Clancy, P. (2007). Guideline threshold limit values (TLVs) for discomfort in repetitive assembly work. *Human Factors and Ergonomics in Manufacturing*. 17 (5): 423-434.
304. Overend, T., Wuori-Fearn, J., Kramer, J., & MacDermid, J. (1999). Reliability of a patient-rated forearm evaluation questionnaire for patients with lateral epicondylitis. *Journal Hand Therapy*. 12:31-37.
305. **Ozturan, K., Yucel, I., Cakici, H., Guven, M., & Sungur, I. (2010). Autologous blood and corticosteroid injection and extracorporeal shock wave therapy in the treatment of lateral epicondylitis. *Orthopedics*. 33: 84; 1-10. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
306. Padua, L., Aprile, I., Caliandro, P., Mondelli, M., Pasqualetti, P., & Tonali, P. (2002). Carpal tunnel syndrome in pregnancy. Multiperspective follow-up of untreated cases. *Neurology*. 59: 1643-1646.
307. Padua, L., Padua, R., Aprile, I., Pasqualetti, P., & Tonali, P. (2001). Multiperspective follow-up of untreated carpal tunnel syndrome: A multicenter study. *Neurology*. 56: 1459-1466.
308. **Palmer, K., Harris, C., & Coggon, D. (2007). Carpal tunnel syndrome and its relation to occupation: a systematic literature review. *Occupational Medicine*. 57; 57-66. Assessment: Adequate. Used in Evidence Statement as defined in General Guidelines Principles.**

309. Paoloni, J., Appleyard, R., Nelson, J., & Murrell, G. (2003). Topical nitric oxide application in the treatment of chronic extensor tendinosis at the elbow. A randomized, double-blinded, placebo-controlled clinical trial. *American Journal of Sports Medicine*. 31; 6, 915-920. Assessment: Inadequate.
310. **Paoloni, J., Murrell, G., Burch, R., & Ang, R. (2009). Randomised, double-blind, placebo-controlled clinical trial of a new topical glyceryl trinitrate patch for chronic lateral epicondylitis. *B Journal of Sports Medicine*. 43; 299-302. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles**
311. Pearce, B. (2006). Ergonomic considerations in work-related upper extremity disorders. *Clin Occup Environ Med*. 5 (2): 249-266.
312. Pearce, N., Ckeckoway, H. & Kriebel, D. (2006). Bias in occupational epidemiology studies. *Occupation Environmental Medicine*. 64: 562-568. doi: 10:1136/oem.2006.026690.
313. **Peerbooms, J., Sluimer, J., Bruijn, D., & Gosens, T. (2010). Positive effect of an autologous platelet concentrate in lateral epicondylitis in a double-blind randomized controlled trial. *The American Journal of Sports Medicine*. 38: 2, DOI: 10.1177/0363546509355445. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles**
314. Peters-Veluthamaningal, C., van der Windt, D., Winters, J., & Meyboom-de Jong, B. (2009a). Corticosteroid injection for de Quervain's tenosynovitis. *Cochrane Database of Systematic Reviews* 2009, Issue 3. Art No.: CD005616.DOI: 10.1002/14651858.CD005616.pub2.
315. Peters-Veluthamaningal, C., van der Windt, D., Winters, J., & Meyboom-de Jong, B. (2009b). Corticosteroid injection for trigger finger in adults. *Cochrane Database Syst Rev*. 21: (1): CD005617.
316. Peters-Veluthamaningal, C., Winters, J., Groenier, K., & Jong, B. (2008). Corticosteroid injections effective for trigger finger in adults in general practice: a double-blinded randomised placebo controlled trial. *Ann. Rheum Dis*. 67(9): 1262-6. Abstract Only.
317. Peters-Veluthamaningal, C., Winters, J., Groenier, K., & Jong, B. (2009). Steroid injection effective for trigger finger. Corticosteroid injections effective for trigger finger in adults in general practice: a double-blinded randomised placebo controlled trial. *Ann. Rheum Dis*. 67(9): 1262-6. Abstract Only.
318. *Physicians' Desk Reference*. 2010. 64th Edition.
319. Piazzini, D., Aprile, I., Ferrara, P., Bertolini, C., Tonali, P., Maggi, L...& Padua, L. (2007). A systematic review of conservative treatment of carpal tunnel syndrome. *Clinical Rehabilitation*. 21: 299-314.
320. Pickering, S., Stevens, A., & Davis, TRC. (2004). Work practices and histopathological changes in the tenosynovium in carpal tunnel syndrome in men. *Journal of Hand Surgery (British and European Volume)*. 29B: 325-328.
321. Pinar, L., Enhos, A., & Gungor, N. (2005). Can we use nerve gliding exercises in women with carpal tunnel syndrome? *Advances in Therapy*. 22:5, 467-475. Assessment: Inadequate.
322. **Placzek, R., Drescher, W., Deuretzbacher, G., Hempfing, A., & Meiss, A. (2007). Treatment of chronic radial epicondylitis with botulinum toxin A. *Journal of Bone and***

Joint Surgery. 89-A: 2, 255-260. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles

323. **Pomerance, J., & Fine, I. (2007). Outcomes of carpal tunnel surgery with and without supervised postoperative therapy. *Journal of Hand Surgery. 32, 8: 1159-1163. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.***
324. Pomerance, J., Zurakowski, D., & Fine, I. (2009). The cost-effectiveness of nonsurgical versus surgical treatment for carpal tunnel syndrome. *J Hand Surg. 34A: 1193-1200.*
325. Pope, D., Silman, A., Cherry, N., Pritchard, C., & Macfarlane, G. (1998). Validity of a self-completed questionnaire measuring the physical demands of work. *Scand J Work Environ Health. 24(5): 376-385.*
326. Premoselli, S., Sioli, P., Grossi, A., & Cerri, C. (2006). Neutral wrist splinting in carpal tunnel syndrome: a 3-and 6-month clinical and neurophysiologic follow-up evaluation of night-only splint therapy. *Eura Medicophys. 42: 121-6. Assessment: Inadequate.*
327. **Punnett, L. (1998). Ergonomic stressors and upper extremity disorders in vehicle manufacturing: cross sectional exposure-response trends. *Occup Environ Med. 55: 414-420. Assessment: Adequate.***
328. Punnett, L., Gold, J., Katz, J., Gore, R., & Wegman, D. (2004). Ergonomic stressors and upper extremity musculoskeletal disorders in automobile manufacturing: A one year follow up study. *Occup Environ Med. 61; 668-674. doi 10.1136/oem.2003.008979.*
329. Punnett, L., & van der Beek, A. (2000). A comparison of approaches to modeling the relationship between ergonomic exposures and upper extremity disorders. *American Journal of Industrial Medicine. 37: 645-655.*
330. **Rabago, D., Best, T., Zgierska, A., Zeisig, E., Ryan, M., & Crane, D. (2009). A systematic review of four injection therapies for lateral epicondylitis: prolotherapy, polidocanol, whole blood and platelet-rich plasma. *Br. J. Sports Med. 43:471-481. Assessment: Adequate.***
331. Radwan, YA, El Sobhi, G., Badawy, W., Reda, A., & Khalid, S. (2008). Resistant tennis elbow: shock-wave therapy versus percutaneous tenotomy. *International Orthopaedics (SICOT). 32: 671-677. Assessment: Inadequate.*
332. **Ramchurn, N., Mashamba, C., Leitch, E., Arutchelvam, V., Narayanan, K., Weaver, J., Hamilton, J. Heycock, C., Saravanan, V., & Kelly, C. (2009). Upper limb musculoskeletal abnormalities and poor metabolic control in diabetes. *European Journal of Internal Medicine. 20 (7); 718-721. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.***
333. Rannou, F., Dimet, J., Boutron, I., Baron, G., Fayad, F., Mace, Y... & Poiraudau, S. (2009a). The effects of splinting on thumb arthritis. Summaries for patients. *Annals of Internal Medicine. I-34.*
334. **Rannou, F., Dimet, J., Boutron, I., Baron, G., Fayad, F., Mace, Y... & Poiraudau, S. (2009b). Splints for base-of-thumb osteoarthritis. *Annals of Internal Medicine. 150: 10, 661-669. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.***

335. Rayan, G. (2008). Nonoperative treatment of Dupuytren's disease. *J Hand Surg.* 33A: 1208-1210.
336. Rempel, D., Barr, A., Brafman, D., & Young, E. (2007). The effect of six keyboard designs on wrist and forearm postures. *Applied Ergonomics.* 38; 293-298.
337. Rempel, D., Evanoff, B., Amadio, P., de Krom, M., Franklin, G., Franzblau, A...& Pransky, G. (1998). Concensus criteria for the classification of carpal tunnel syndrome in epidemiologic studies. *American Journal of Public Health.* 88:1447-1451.
338. Rempel, D., Keir, P., & Bach, J. (2008). Effect of wrist posture on carpal tunnel pressure while typing. *J. Orthop Res.* 26 (9): 1269-1273.
339. Rempel D., Krause, N., Goldberg, R., Benner, D., Hudes, M., & Goldner, G. (2006). A randomised controlled trial evaluating the effects of two workstation interventions on upper body pain and incident musculoskeletal disorders among computer operators. *Occup Environ Med.* 63; 300-306.
340. Riley, G. (2008). Tendinopathy from basic science to treatment. *Rheumatology.* 4:2, 82-89.
341. Rizzo, M., Moran, S., & Shin, A. (2009). Long-term outcomes of trapeziometacarpal arthrodesis in the management of trapeziometacarpal arthritis. *J Hand Surg.* 34A:20-26.
342. Robertson, C., & Saratsiotis, J. (2005). Literature review. A review of compressive ulnar neuropathy at the elbow. *J Manipulative Physiol Ther.* 28: 345.e1-345.e18.
343. Robinson, E. (1882). Cases of telegraphists' cramp. *The British Medical Journal.* 2: 880.
344. Robinson, L. (2007). Electrodiagnosis of carpal tunnel syndrome. *Phys Med Rehabil Clin N Am.* 18: 733-746.
345. Roelen, C., Schreuder, K., Koopmans, P., & Groothoff, J. (2008). Perceived job demands relate to self-reported health complaints. *Occupational Medicine.* 58: 58-63.
346. Rogers, N. (No date). What is scientific evidence? Sister Kenny, American doctors and polio therapy, 1940-1952.
347. **Rompe, J., Decking, J., Schoeliner, C., & Thies, C. (2004). Repetitive low-energy shock wave treatment for chronic lateral epicondylitis in tennis players. *American Journal of Sports Medicine.* 32:3, 734-743. Assessment: High Quality. Used in evidence statement as defined in General Guidelines Principles.**
348. Roquelaure, Y., Ha, C., Fouquet, N., Descatha, A., Leclerc, A., Goldberg, M., & Imbernon, E. (2009a). Attributable risk of carpal tunnel syndrome in the general population: implications for intervention programs in the workplace. *Scand J Work Environ Health. Online First.*
349. Roquelaure, Y., Ha, C., Leclerc, A., Touranchet, A., Marine, S., Melchior, M....& Goldberg, M. (2006). Epidemiologic surveillance of upper-extremity musculoskeletal disorders in the working population. *Arthritis & Rheumatism.* 55: 5, 765-778.
350. Roquelaure, Y., Ha, C., Nicolas, G., Pelier-Cady, M., Mariot, C., Descatha, A. ...& Imbernon, E. (2008). Attributable risk of carpal tunnel syndrome according to industry and occupation in a general population. *Arthritis & Rheumatism.* 59: 9, 1341-1348.

351. Roquelaure, Y., Ha, C., Pelier-Cady, MC, Nicholas, G., Descatha, A., Leclerc, A...& Imbernon, E. (2008). Work increases the incidence of carpal tunnel syndrome in the general population. *Muscle & Nerve*. 37; 477-482.
352. **Roquelaure, Y., Ha, C., Rouillon, C., Fouquet, N., Leclerc, A., Descatha, A.,....& Imbernon, E. (2009b). Risk factors for upper-extremity musculoskeletal disorders in the working population. *Arthritis & Rheumatism*. 61; 10, 1425-1434. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
353. Roquelaure, Y., Mariel, J., Dano, C., Fanello, S., & Penneau-Fontbonne, D. (2001). Prevalence, incidence and risk factors of carpal tunnel syndrome in a large footwear factory. *International Journal of Occupational Medicine and Environmental Health*. 14; 4, 357-367.
354. Roquelaure, Y., Mariel, J., Fanello, S., Boissiere, J-C, Chiron, H., Dano, C....& Penneau-Fontbonne, D. (2002). Active epidemiological surveillance of musculoskeletal disorders in a shoe factory. *Occup Environ Med*. 59: 452-458.
355. **Roquelaure, Y., Mechli, S., Dano, C., Fanello, S., Benitti, F., Bureau, D. ...& Penneau-Fontbonne, D. (1997). Occupational and personal risk factors for carpal tunnel syndrome in industrial workers. *Scand J Work Environ Health*. 23; 364-9. *Scand J Work Environ Health*. 23; 364-9. Assessment: Adequate**
356. **Roquelaure, Y., Raimbeau, G., Dano, C., Martin, YH, Pelier-Cady, MC, Mechali, S...& Penneau-Fontbonne, D. (2000). Occupational risk factors for radial tunnel syndrome in industrial workers. *Scand J Work Environ Health*. 26 (6): 507-513. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
357. Rosecrance, J., Cook, T., Anton, D., & Merlino, L. (2002). Carpal tunnel syndrome among apprentice construction workers. *American Journal of Industrial Medicine*. 42: 107-116.
358. Roux, C., Fontas, E., Breuil, V., Brocq, O., Albert, C., & Euler-Ziegler, L. (2007). Injection of intra-articular sodium hyaluronidate (sinovial[®]) into the carpometacarpal joint of the thumb (CMC1) in osteoarthritis. A prospective evaluation of efficacy. *Joint Bone Spine*. 74, 368-372. Assessment: Inadequate.
359. Russell, B. (2003). Case Report. A suspected case of ulnar tunnel syndrome relieved by chiropractic extremity adjustment methods. *J Manipulative Physiol Ther*. 26: 602-7.
360. Russell, B. (2008). Carpal tunnel syndrome and the “double crush” hypothesis: a review and implications for chiropractic. *Chiropractic & Osteopathy*. 16: 2. doi: 10.1186/1746-1340-16-2.
361. Ryall, C., Coggon, D., Peveler, R., Reading, I., & Palmer, K. (2006). A case-control study of risk factors for arm pain presenting to primary care services. *Occupational Medicine*. 56: 137-143.
362. Sampson, S., Gerhardt, M., & Mandelbaum, B. (2008). Platelet rich plasma injection grafts for musculoskeletal injuries: a review. *Curr Rev Musculoskelet Med*. DOI 10.1007/s12178-008-9032-5.
363. **Scarpone, M., Rabago, D., Zgierska, A., Arbogast, G., & Snell, E. (2008). The efficacy of prolotherapy for lateral epicondylitis: A pilot study. *Clin J Sport Med*. 18; 3: 248-254. Assessment: Adequate.**
364. Scholten, R., Mink van der Molen, A., Uitdehaag, B., Bouter, L., & de Vet, H. Surgical

treatment options for carpal tunnel syndrome. *Cochrane Database of Systematic Reviews* 2007, Issue 4. Art. No.: CD003905. DOI: 10.1002/14651858.CD003905.pub3.

365. Scholz, J., Mannion, R., Hart, D., Griffin, R., Rawal, B., Zheng, H. ... & Woolf, C. (2009). A novel tool for the assessment of pain: Validation in low back pain. *PLoS Medicine*. 6: 4, 1-16.
366. Schrijver, H., Gerritsen, A., Strijers, R., Uitdehaag, B., Scholten, R., de Vet, H., & Bouter, L. (2005). Correlating nerve conduction studies and clinical outcome measures on carpal tunnel syndrome: lessons from a randomized controlled trial. *J Clin Neurophysiol*. 22: 216-221.
367. *Secretary of State for Work and Pensions*. (2006). Work-related upper limb disorders. Department for Work and Pensions. Cm 6868.
368. Sese, R., Khalighi, M., Bloswick, D., Anderson, M., & Tuckett, R. (2007). Effects of prolonged wrist flexion on transmission of sensory information in carpal tunnel syndrome. *The Journal of Pain*. 8, 2: 137-151.
369. Sheu, JJ, Yuan, RY., Chou, HY, Hu, CJ, & Chen, WT. (2006). Segmental study of the median nerve versus comparative tests in the diagnosis of mild carpal tunnel syndrome. *Clinical Neurophysiology*. 117: 1249-1255.
370. Shin, E., & Osterman, A. (2008). Treatment of thumb metacarpophalangeal and interphalangeal joint arthritis. *Hand Clinic*. 24: 239-250.
371. **Shiri, R., Miranda, H., & Heliovaara, M. (2009). Physical work load factors and carpal tunnel syndrome: a population-based study. *Occup Environ Med*. 66; 368-373. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
372. **Shiri, R., Viikari-Juntura, E., Varonen, H... & Heliovaara, M. (2006). Prevalence and determinants of lateral and medial epicondylitis: A population study. *American Journal of Epidemiology*. 164: 11, 1065-1074. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
373. Shooshtari, SM, Badiie, V., Taghizadeh, SH, Nematollahi, AH, Amanollahi, AH, & Grami, MT. (2008). The effects of low level laser in clinical outcome and neurophysiological results of carpal tunnel syndrome. *Electromyogr. Clin. Neurophysiol*. 48: 229-231.
374. Silverstein, B., Fine, J., & Armstrong, T. (1986). Hand wrist cumulative trauma disorders in industry. *British Journal of Industrial Medicine*. 43; 779-784.
375. **Silverstein, B., Fine, L., & Armstrong, T. (1987). Occupational factors and carpal tunnel syndrome. *American Journal of Industrial Medicine*. 11; 343-358. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**

376. Silverstein, B., Fine, L., & Stetson, D. (1987). Hand-wrist disorders among investment casting plant workers. *The Journal of Hand Surgery*. 12A; 838-44.
377. Simoneau, G., Marklin, R., & Berman, J. (2003). Effect of computer keyboard slope on wrist position and forearm electromyography of typists without musculoskeletal disorders. *Physical Therapy*. 83; 9, 816-830.
378. Slater, H., Arendt-Nielsen, L., Wright, A., & Graven-Nielsen, T. (2006). Effects of a manual therapy technique in experimental lateral epicondylagia. *Manual Therapy*. 11; 107-117.
379. **Smidt, N., van der Windt, D., Assendelft, W., Deville, W., Korthals-de Bos, I., & Bouter, L. (2002). Corticosteroid injections, physiotherapy, or a wait-and-see policy for lateral epicondylitis: a randomised controlled trial. *The Lancet*. 359:657-662. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles**
380. Smith, T. (1992). Occupational exposure and dose over time: limitations of cumulative exposure. *American Journal of Industrial Medicine*. 21: 35-51.
381. *Social Security (Industrial Injuries) (Prescribed Diseases) Regulations*. (2007). The law relating to social security. Suppl 79. Schedule 1, Part I, List of prescribed disease and the occupations for which they are prescribed.
382. Sodha, S., Ring, D., Zurakowski, D., & Jupiter, J. (2005). Prevalence of osteoarthrosis of the trapeziometacarpal joint. *Journal of Bone & Joint Surgery*. 87: 2614-2618.
383. Spacca, G., Cacchio, A., Forgacs, A., Monteforte, P., & Rovetta, G. (2005). Analgesic efficacy of a lecithin-vehiculated diclofenac epolamine gel in shoulder peri-arthritis and lateral epicondylitis: a placebo-controlled, multicenter, randomized, double-blind clinical trial. *Drugs Exptl. Clin. Res XXXXI (4)*; 147-154. Assessment: Inadequate.
384. **Spacca, G., Necozone, S., & Cacchio, A. (2005). Radial shock wave therapy for lateral epicondylitis: a prospective randomised controlled single-blind study. *Eur Med Phys*. 41: 17-25. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
385. Sperka, P., Cherry, N., Burnham, R., & Beach, J. (2008). Impact of compensation on work outcome of carpal tunnel syndrome. *Occupational Medicine*. 58: 490-495.
386. Sperling, WP. (1951). Snapping finger: Roentgen treatment and experimental production. *Acta Radiol*. 37; 74-80.
387. Stahl, S., Karsh-Zafir, I., Ratzon, N., & Rosenberg, N. (2005). Comparison of intraarticular injection of depot corticosteroid and hyaluronic acid for treatment of degenerative trapeziometacarpal joints. *Journal of Clinical Rheumatology*. 11: 299-302. Assessment: Inadequate.
388. Stallings, S., Kasdan, M., Soergel, T., & Corwin, H. (1997). A case-control study of obesity as a risk factor for carpal tunnel syndrome in a population of 600 patients presenting for independent medical examination. *The Journal of Hand Surgery*. 22A: 211-215.
389. Stamm, T., Machold, K., Smolen, J., Fischere, S., Redlich, K., Graninger, W., Ebner, W., & Erlacher, L. (2002). Joint protection and home hand exercises improve hand function in patients with hand osteoarthritis: A randomized controlled trial. *Arthritis Care & Research*. 47: 44-49. Assessment: Inadequate.

390. Stanley, J. (2006). Radial tunnel syndrome: A surgeon's perspective. *Journal of Hand Therapy*. 19: 180-5.
391. Stapleton, M. (2006). Occupational and carpal tunnel syndrome. *ANZ J. Surg.* 76: 494-496.
392. Stasinopoulos, D., & Johnson, M. (2005). Effectiveness of low-level laser therapy for lateral elbow tendinopathy. *Photomedicine and Laser Surgery*. 23: 4, 425-430.
393. Stergioulas, A. (2007). Effects of low-level laser and plyometric exercises in the treatment of lateral epicondylitis. *Photomedicine and Laser Surgery*. 25: 3, 205-113.
394. Stetson, D., Silverstein, B., Keyserling, W., Wolfe, R., & Albers, J. (1993). Median sensory distal amplitude and latency: Comparisons between nonexposed managerial/professional employees and industrial workers. *American Journal of Industrial Medicine*. 24; 175-189.
395. **Stevens, J., Witt, J., Smith, B., & Weaver, A. (2001). The frequency of carpal tunnel syndrome in computer users at a medical facility. *Neurology*. 56; 1568-1570. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
396. Stock, S., Fernandes, R., Delisle, A., & Venzina, N. (2005). Reproducibility and validity of workers' self-reports of physical work demands. *Scand J. Work Environ Health*. 31 (6):409-437.
397. Struijs, P., Damen, P., Bakker, E., Blankovoort, L., Assenfeldt, W., & van Dijk, C. (2003). Manipulation of the wrist for management of lateral epicondylitis: A randomized pilot study. *Physical Therapy*. 83; 608-616. Assessment: Inadequate.
398. Struijs, P., Smidt, N., Arola, H., van Dijk, C., Buchbinder, R., & Assendelft, W. Orthotic devices for the treatment of tennis elbow. *Cochrane Database of Systematic Reviews* 2002, Issue 1. Art. No.: CD001821. DOI: 10.1002/14651858.CD001821.
399. Susser, M. (1991). What is a cause and how do we know one? A grammar for pragmatic epidemiology. *American Journal of Epidemiology*. 133; 7, 635-48.
400. **Svernlov, G., Larsson, M., Rehn, K., & Adolfsson, L. (2009). Conservative treatment of the cubital tunnel syndrome. *Journal of Hand Surgery*. 34E: 2: 20-1207. Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.**
401. Szabo, R. (2007). Distal radioulnar joint instability. *AAOS Instructional Course Lectures*. 56: 79-89.
402. Takala, EP, Pehkonen, I., Forsman, M., Hansson, FA, Mathiassen, S., Neumann, W....& Winkel, J. (2010). Systematic evaluation of observational methods assessing biomechanical exposures at work. *Scand J Work Environ Health*. 36(1); 3-24.
403. Tal-Akabi, A., & Rushton, A. (2000). An investigation to compare the effectiveness of carpal bone mobilisation and neurodynamic mobilisation as methods of treatment for carpal tunnel syndrome. *Manual Therapy*. 5(4); 214-222.
404. Tanaka, S., Petersen, M., & Cameron, L. (2001). Prevalence and risk factors of tendinitis and related disorders of the distal upper extremity among U.S. workers: Comparison to carpal tunnel syndrome. *American Journal of Industrial Medicine*. 39: 324-335.
405. Tanaka, S., Wild, L., Cameron, L., & Freund, E. (1997). Association of occupational and non-occupational risk factors with the prevalence of self-reported carpal tunnel syndrome in a

- national survey of the working population. *American Journal of Industrial Medicine*. 32: 550-556.
406. Tennent, T., & Woodgate, A. (2008). Posterior interosseous nerve dysfunction in the radial tunnel. *Current Orthopaedics*. 22, 226-232.
407. **Thomsen, J., Gerr, F., & Atroshi, I. (2008). Carpal tunnel syndrome and the use of computer mouse and keyboard: A systematic review. *BMC Musculoskeletal Disorders*. 9; 134. doi:10.1186/1471-2474-9.134. Assessment: Adequate**
408. Thomsen, J., Hansson, G., Mikkelsen, S., & Lauritzen, M. (2002). Carpal tunnel syndrome in repetitive work: A follow-up study. *American Journal of Industrial Medicine*. 42: 344-353.
409. Tompa, E., Dolinschi, R., de Oliveira, C., Amick, III, B., & Irvin, E. (2009). A systematic review of workplace ergonomic interventions. *J. Occup Rehabil*. DOI 10.1007/s10926-009-9210-3.
410. Tonks, JH, Pai, SK, & Murali, SR. (2007). Steroid injection therapy is the best conservative treatment for lateral epicondylitis: a prospective randomised controlled trial. *In J. Clin Practice*. 61 (2): 240-246. Assessment: Inadequate.
411. Toussaint, C., & Zager, E. (2008). What's new in common upper extremity entrapment neuropathies? *Neurosurg Clin N. Am*. 19: 573-581.
412. Townley, W., Baker, R., Sheppard, N., & O'Grubelaar, A. (2006). Dupuytren's contracture unfolded. *BMJ*. 332; 397-400.
413. Trojian, T., & Chu, S. (2007). Dupuytren's disease: Diagnosis and treatment. *Am Fam Physician*. 76:1, 86-9.
414. Tsai, P., & Beredjikian, P. (2008). Physical diagnosis and radiographic examination of the thumb. *Hand Clin*. 24: 231-237.
415. Tsai, P., & Steinberg, D. (2008). Median and radial nerve compression about the elbow. *JBJS*. 90: 420-428.
416. Ucan, H., Yagci, I., Yilmaz, L., Yagmurlu, F., Keskin, D., & Bodur, H. (2006). Comparison of splinting, splinting plus local steroid injection and open carpal tunnel release outcomes in idiopathic carpal tunnel syndrome. *Rheumatol Int*. 27: 45-51. Assessment: Inadequate.
417. Vandenbroucke, J. (1987). Should we abandon statistical modeling altogether? *American Journal of Epidemiology*. 126; 1, 10-13.
418. van den Heuvel, S., Ijmker, S., Blatter, B., & de Korte, E. (2007). Loss of productivity due to neck/shoulder symptoms and hand/arm symptoms: Results from the PROMO-study. *J Occup Rehabil*. 17: 370-382. DOI 10.1007/s10926-007-9095-y.
419. Van de Streek, M., van der Schans, C., de Greef, NHG, & Postema, K. (2004). The effect of a forearm/hand splint compared with an elbow band as a treatment for lateral epicondylitis. *Prosthetics and Orthotics International*. 28; 3, 183-189. Assessment: Inadequate.
420. van Heest, A., & Kallemeier, P. (2008). Thumb carpal metacarpal arthritis. *Journal of American Academy of Orthopaedic Surgeons*. 16: 140-151.
421. van Oostrom, SH, Driessen, MT, de Vet, HCW, Franche, RL, Schonstein, E., Loisel, P., ... & Anema, JR. Workplace interventions for preventing work disability. *Cochrane Database of*

Systematic Reviews 2009, Issue 2. Art. No.: CD006955.
DOI:10.1002/14651858.CD006955.pub2.

422. van Rijn, RM, Huisstede, B., Koes, B., & Burdof, A. (2009). Associations between work-related factors and specific disorders at the elbow: a systematic literature review. *Rheumatology*. 48: 528-536. Assessment: Adequate.
423. van Rijn, RM, Huisstede, B., Koes, B., & Burdof, A. (2009). Associations between work-related factors and the carpal tunnel syndrome - a systematic review. *Scand J Work Environ Health*. 35 (1): 19-36. Assessment: Adequate.
424. van Rijssen, A., Gerbrandy, F., Ter Linden, H., Klip, H., & Werker, P. (2006). A comparison of the direct outcomes of percutaneous needle fasciotomy and limited fasciotomy for Dupuytren's disease: a 6-week follow-up study. *J Hand Surg Am*. 31(5), 717-25. Abstract Only.
425. Vender, M., Heights, A., & Kasdan, M. (1995). Upper extremity disorders: A literature review of determine work-relatedness. *The Journal of Hand Surgery*. 20A: 534-541.
426. Verdugo, R., Salinas, R., Castillo, J., & Cea, J. Surgical versus non-surgical treatment for carpal tunnel syndrome. *Cochrane Database of Systematic Reviews* 2008, Issue 4. Art. No.: CD001552. DOI: 10.1002/14651858.CD001552.pub2.
427. Verhagen, AP., Karels, C., Bierma-Zeinstra, SMA, Feleus, A., Dahaghin, S., Burdorf, A. ...& Koes, BW. (2007). Ergonomic and physiotherapeutic interventions for treating work-related complaints of the arm, neck or shoulder in adults. *Eura Medicophys*. 43; 391-405.
428. Vernon, H., & Schnieder, M. (2009). Council on chiropractic guidelines and practice parameters. Chiropractic management of myofascial trigger points and myofascial pain syndrome: A systematic review of the literature. *J Manipulative Physiol Ther*. 32: 14-24.
429. Vicenzino, B., Paungmali, A., Buratowski, S., & Wright, A. (2001). Specific manipulation therapy treatment for chronic lateral epicondylalgia produces uniquely characteristic hypoesthesia. *Manual Therapy*. 6 (4): 205-212. Assessment: Inadequate.
430. Viikari-Juntura, E., Rauas, S., Martikainen, R., Kuosma, E., Rihimaki, H., Takala, E., & Saarenmaa, K. (1996). Validity of self-reported physical work load in epidemiologic studies on musculoskeletal disorders. *Scand J Work Environ Health*. 22:251-9.
431. Violante, F., Armstrong, T., Fiorentini, C., Graziosi, F., Risi, A., Venturi, S....& Mattioli, S. (2007). Carpal tunnel syndrome and manual work: A longitudinal study. *Journal of Occupational and Environmental Medicine*. 49; 1189-1196.
432. Wainstein, J., & Nailor, T. (2006). Tendinitis and tendinosis of the elbow, wrist, and hands. *Clin Occup Environ Med*. 5 (2); 299-322.
433. Wajon, A., Ada, L., Edmunds, I., & Carr, E. (2005). Surgery for thumb (trapeziometacarpal joint) osteoarthritis. *Cochrane Database of Systematic Reviews*, Issue 4. Art. No. CD004631.DOI: 10.1002/14651858.CD004631.pub.2 Assessment: Adequate. Used in evidence statement as defined in General Guidelines Principles.
434. Walker, W., Metzler, M., Cifu, D., & Swartz, Z. (2000). Neutral wrist splinting in carpal tunnel syndrome: a comparison of night-only versus full-time wear instructions. *Arch Phys Med Rehabil*. 81(4):424-9. Abstract Only. Walker-Bone, K., & Cooper, C. (2005). Hard work never hurt anyone: or did it? A review of occupational associations with soft tissue

- musculoskeletal disorders of the neck and upper limb. *Ann Rheum Dis.* 64:1112-1117. doi: 10.1136/ard.2004.026484.
435. Walker-Bone, K., & Cooper, C. (2005). Hard work never hurt anyone: or did it? A review of occupational associations with soft tissue musculoskeletal disorders of the neck and upper limb. *Ann Rheum Dis.* 64:1112-1117. doi: 10.1136/ard.2004.026484.
436. Walker-Bone, K., Palmer, K., Reading, I., Coggon, D., & Cooper, C. (2004). Prevalence and impact of musculoskeletal disorders of the upper limb in the general population. *Arthritis & Rheumatism.* 51:4, 642-651. doi 10.1002/art.20535.
437. Walker-Bone, K., Palmer, K., Reading, I., & Cooper, C. (2003). Soft-tissue rheumatic disorders of the neck and upper limb: prevalence and risk factors. *Seminars in Arthritis and Rheumatism.* 33: 3, 185-203.
438. Walker-Bone, K., Reading, I., Coggon, D., Cooper, C., & Palmer, K. (2006). Risk factors for specific upper limb disorders as compared with non-specific upper limb pain: assessing the utility of a structured examination schedule. *Occupational Medicine.* 56: 243-250. Assessment: Inadequate.
439. Washington State *Department of Labor & Industries.* Checklist for ergonomic hazards. <http://www.lni.wa.gov/Safety/Topics/Ergonomics/ServicesResources/Tools/default.asp>
440. Washington State *Department of Labor & Industries.* Hazard Zone Jobs Checklist.
441. Washington State *Department of Labor & Industries.* (2002). Office ergonomics. Practical solutions for a safer workplace. <http://www.lni.wa.gov/IPUB/417-133-000.pdf>
442. Washington State Department of Labor and Industries (2009). Work-related proximal median nerve entrapment (PMNE): Diagnosis and treatment. <http://www.lni.wa.gov/ClaimsIns/Files/OMD/MedTreat/ProximalMedianNerve.pdf>.
443. Watts, A., & McEachan, J. (2006). Carpal tunnel syndrome in men. *Current Orthopaedics.* 20: 294-298.
444. Werner, R. (2006). Evaluation of work-related carpal tunnel syndrome. *J Occup Rehabil* 16: 207-222.
445. Werner, R., Franzblau, A., Gell, N., Hartigan, A., Ebersole, M., & Armstrong, T. (2005). Incidence of carpal tunnel syndrome among automobile assembly workers and assessment of risk factors. *J Occup Environ Med.* 47; 1044-1050.
446. Werner, R., Franzblau, A., Gell, N., Hartigan, A., Ebersole, M., & Armstrong, T. (2005). Risk factors for visiting a medical department because of upper-extremity musculoskeletal disorders. *Scand J Work Environ Health.* 31: (2): 132-137.
447. Werner, R., Franzblau, A., Gell, N., Ulin, S., & Armstrong, T. (2005a). A longitudinal study of industrial and clerical workers: Predictors of upper extremity tendonitis. *Journal of Occupational Rehabilitation.* 15; 1. DOI: 10.1007/s10926-005-0872-1.
448. Werner, R., Franzblau, A., Gell, N., Ulin, S., & Armstrong, T. (2005b). Predictors of upper extremity discomfort: a longitudinal study of industrial and clerical workers. *Journal of Occupational Rehabilitation.* 15; 1. DOI: 10.1007/s 10926-005-0871-2.

449. Werner, R., Hamann, C., Franzblau, A., & Rodgers, P. (2002). Prevalence of carpal tunnel syndrome and upper extremity tendinitis among dental hygienists. *The Journal of Dental Hygiene*. 76; 11, 126-132.
450. **Wieslander, G., Norback, D., Gothe, CJ, & Juhlin, L. (1989). Carpal tunnel syndrome (CTS) and exposure to vibration, repetitive wrist movements, and heavy manual work: a case-referent study. *British Journal of Industrial Medicine*. 46: 43-47. Assessment: Adequate.**
451. Wilder, F., Barrett, J., & Farina, E. (2006). Brief report. Joint-specific prevalence of osteoarthritis of the hand. *OsteoArthritis and Cartilage*. 14: 953-957.
452. Williams, A., Baker, P., & Platt, A. (2008). The impact of dressings on recovery from carpal tunnel decompression* *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 61, 1493-1495. Assessment: Inadequate.
453. Wolf, J. (2008). Treatment of scaphotrapezio-trapezoid arthritis. *Hand Clinic*. 24: 301-306.
454. Wolf, J., Mountcastle, S., & Owens, B. (2009). Incidence of carpal tunnel syndrome in the US military population. *HAND*. 4: 289-293.
455. Wolf, J., Ozer, K., Scott, F., Gordon, MJV, & Williams, A. (2008). Autologous blood injection in the treatment of lateral epicondylitis: Preliminary data from a prospective, randomized, controlled multi-center study. *Clinical Paper 65*. Session 13.
456. **Wong, S., Hui, A., Tang, A., Ho, P., Hung, K., Wong, R., Kay, R., & Li, E. (2001). Local vs. systemic corticosteroids in the treatment of carpal tunnel syndrome. *Neurology*. 56: 1565-1567. Assessment: High Quality. Used in evidence statement as defined in *General Guidelines Principles***
457. **Wong, S., Hui, A., Tong, PY, Poon, D., Yu, E., & Wong, L. (2005). Treatment of lateral epicondylitis with botulinum toxin. *Annals Internal Medicine*. 143: 793-797. Assessment: Adequate. Used in evidence statement as defined in *General Guidelines Principles***
458. *Workers' Compensation Board-Alberta*. Work-related traumatic osteoarthritis. (2009).
459. Yang, CP., Hsieh, Wang, NH, Li, TC, Hwang, KL., Yu, SC, & Chang, MH. (2009). Acupuncture in patients with carpal tunnel syndrome. *Clin J Pain*. 25: 327-333. Assessment: Inadequate.
460. Yao, J., & Park, M. (2008). Early treatment of degenerative arthritis of the thumb carpometacarpal joint. *Hand Clinic*. 24: 251-261.
461. Yeo, KQ, & Yeo, EMN. (2007). Comparison of the results of open carpal tunnel release and Knifelight[®] carpal tunnel release. *Singapore Med J*. 48 (12): 1131-1135.
462. Young, D., Papp, S., & Giachino, A. (2007). Physical examination of the wrist. *Orthop Clin N. Am*. 38: 149-165.
463. Yuan, N., Moran, S., Tay, S., & Berger, R. (2009). *J Hand Surg Am*. 34(2): 219-27. Abstract Only.
464. Zhang, W., Doherty, M. Leen, B., Alekseeva, L., Arden, N., Bijlsma, J... & Zimmermann-Gorska, I. (2010). EULAR evidence based recommendations for the managements of hand osteoarthritis: Report of a task force of the EULAR standing committee for international

clinical studies including therapeutics (ESCISIT). *Ann Rheum Disorders*. 66; 377-388.
Assessment: Inadequate

465. Zhang, W., & Po, A. (1994). The effectiveness of topically applied capsaicin. *Eur J Clin Pharmacol*. 46: 517-522.
466. Zingas, C., Faila, J., & Van Holsbeeck, M. (1998). Injection accuracy and clinical relief of de Quervain's tendinitis. *The Journal of Hand Surgery*. 23A:89-96.
467. **Zlowodzki, M., Chan, S., Bhandari, M., Kalliainen, L., & Schubert, W. (2007). Anterior transposition compared with simple decompression for treatment of cubital tunnel syndrome. A meta-analysis of randomized, controlled trials. *JBJS*. 89: 2591-2598. doi:10.2106/JBJS.G.00183. Assessment: High Quality. Used in Evidence Statement as defined in General Guidelines Principles.**

NOTE: The bibliography for the Cumulative Trauma Conditions Medical Treatment Guidelines reflects the articles, abstracts, and literature reviewed during the Cumulative Trauma Conditions Medical Treatment Guideline update process. Where applicable, literature was given a designation of one of the following: High quality, adequate, inadequate, or not applicable. Literature with these designations is noted in the bibliography. Literature that was designated as 'Adequate' or 'High Quality' is in bold font. Each designation was assigned in accordance with the related Study Questions **[insert link here]**.

Literature that was used to support evidence statements (eg. some, good, strong) is listed in the bibliography. Over 450 articles and literature were examined for consideration during the course of this update. A limited number of those articles qualified for evidence statements. The designated strength of the evidence may not coincide with acceptability of treatment. When the evidence is conflicting or inconclusive, acceptability of treatment is determined by a combination of available medical literature and group consensus. Some of the elements that are considered in making these determinations are: level of functional benefit, acceptable risk/morbidity/mortality, and acceptable cost.

A review of Cumulative Trauma Conditions Medical Treatment Guidelines bibliography needs to coincide with a review of the General Guidelines Principles. In particular, please review Guidelines Principle #12: Guidelines Recommendations and the Strength of Medical Evidence and Consensus Recommendations. All recommendations in the guidelines are considered to represent reasonable care in appropriately selected cases, regardless of the level of evidence or consensus attached to it. Those procedures considered inappropriate, unreasonable, or unnecessary are designated in the guideline as 'not recommended.'