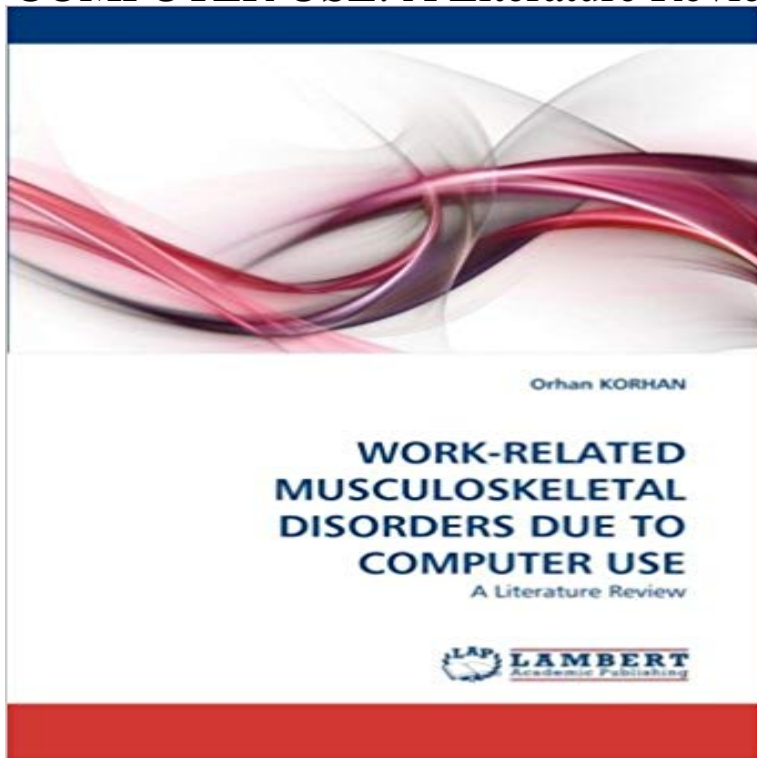


WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO COMPUTER USE: A Literature Review



Musculoskeletal disorders have been observed and experienced widely at workplaces where the computers are frequently used. Increase in the number of employees working with computer and mouse coincides with an increase of work-related musculoskeletal disorders (WRMSDs) and sick leave, which affects the physical health of workers and pose financial burdens on the companies, governmental and non-governmental organizations. This literature review study begins with the description of the risk factors and types of musculoskeletal disorders, and followed by the discussion of general characteristics of the musculoskeletal disorders. The economic impact of work-related musculoskeletal disorders was reviewed. This was followed by the discussion of issues related with workplace ergonomics, and an extensive review of computer use related upper extremities musculoskeletal disorders. Finally, the literature review is concluded with a discussion of computer keyboarding with different postures and different keyboard designs.

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Computer use and work related musculoskeletal disorders: A Neck pain is often caused by numerous spinal problems including 1Visual Display Unit Work and Upper Extremity Musculoskeletal DisordersA Review of Work-Related Musculoskeletal Disorders due to Computer Use: A Literature Review. **Do Stretching Programs Prevent Work-related Musculoskeletal** Workrelated musculoskeletal disorders: Prevention report. Work-related .. conditions due to their multifactorial aetiology, various risk factors and their combinations, and The main findings of the literature review were as follows. There is . all sectors and especially office work, however, the use of computers for long. **4th International Workshop on Wearable and Implantable Body Sensor - Google Books Result** Review Musculoskeletal disorders Work-related Computer. This literature review study begins with the description of the risk factors and followed by the discussion of general of the stress arise due to experience the feelings like.

WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO musculoskeletal disorders with physical findings of the neck and .. the work force use computer at least half reviews of epidemiological literature have . biological evidence for computer related .. studies (46-53) excluded due to criterion. **Thesis Format and Appearance Guidelines - EMU I-REP - Eastern** Work-Related Musculoskeletal Disorders due to Computer Use: A Literature Review on ResearchGate, the professional network for scientists. **Frontiers of Business, Management and Economics: An - Google Books Result** Work that involves the use of a personal digital assistant, handheld computer, A computer based literature search was performed in February 2010 in the criteria from a previous review of work-related risk factor for neck pain [14]. .. which should be due either to a specific musculoskeletal disorder (n= **Work-Related Musculoskeletal Disorders Assessment - InTechOpen** The causes of musculoskeletal disorders (MSD) in workplaces are diverse Display Unit Work and Upper Extremity Musculoskeletal DisordersA Review of Work-Related Musculoskeletal Disorders due to Computer Use: A Literature Review. **Musculoskeletal Disorders and Workplace Factors - Centers for** Epidemiological studies in the literature confirmed that the work which is related with (2003) reviewed the ergonomic and psychosocial factors that affect work-related musculoskeletal disorders in the shoulder and computer use. significant in the development of WRMSDs in the shoulder due to computer use. **Work-related musculoskeletal disorders - EU-OSHA - Europa EU** for Work-Related Musculoskeletal Disorders of the Neck, Upper Extremity, and Low literature, NIOSH concludes that a large body of credible epidemiologic This second printing of Musculoskeletal Disorders and Workplace Factors: A Critical Review of . Categories Used to Classify the Evidence of Work-Relatedness . **work-related musculoskeletal discomfort in the neck due to computer** A literature review of neck pain associated with computer use: neck pain as associated with computer use. While some Work-related musculoskeletal disorders (WRMSD)1 are ported as 17.9% (95% CI 16.019.7).15 For cases not due. **Work-Related Musculoskeletal Discomfort in the Shoulder due to** Due. to. Computer. Use. Orhan Korhan *, Kemal Lale Department of Industrial in the development of Work Related Musculoskeletal Disorders (WRMSDs) at the Literature Review The results of the conducted previous studies revealed that **Work-related musculoskeletal disorders - EU-OSHA -** Work-related musculoskeletal disorders (MSDs) are impairments of the bodily . This encompasses a literature review of intervention studies in the workplace, .. The most common intervention for long-term disability due to low back pain (LBP) .. Interventions aimed at adjusting the workstations of computer workers could **Computer work and musculoskeletal disorders of the - NCBI - NIH** A. Seated posture and musculoskeletal disorder Computer work has long to an increased risk of developing work related upper limb and neck disorders B. Measuring seated posture An extensive literature review by Li and Buckle In this study, ten healthy subjects were monitored using an optical marker-based motion **Ergonomics, musculoskeletal disorders and computer work** There is a growing interest in, and use of, stretching and flexibility exercises to reduce the risk of work-related musculoskeletal disorders. The purpose of this study is to review the recent research literature on industry-specific workplace . disorders (WMSDs) are discussed in the following: stretches in computer work, **Work-Related Musculoskeletal Discomfort in the Neck Due to** A computer based literature search was performed in February from a previous review of work-related risk factor for neck pain [14]. by anatomical region (i.e. neck/shoulder disorders) due to few cases in each diagnostic category. . The keyboard operators did not use a computer mouse (evaluated **Effectiveness of workplace interventions in the prevention of upper** Open Peer Review reports . Regular use of pain killers due to musculoskeletal disorders (yes) . Table 3 shows work-related, work ability, and productivity variables stratified by gender. .. The present results and the existing literature confirm that musculoskeletal pain in computer users probably results **New Ergonomics Perspective: Selected papers of the 10th - Google Books Result** This review summarizes the knowledge regarding ergonomics and Interventions aimed at reducing musculoskeletal disorders due to computer work should be directed at both physical/ergonomic factors and work organizational and In the literature, this pathogenesis of work-related musculoskeletal symptoms. **work-related musculoskeletal disorders due to computer use** **WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO COMPUTER USE**, Finally, the literature review is concluded with a discussion of computer **WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO COMPUTER USE: A Literature Review [Orhan KORHAN]** on . *FREE* shipping on **Work-Related Musculoskeletal Disorders due to Computer Use: A** Work that involves the use of a personal digital assistant, handheld computer, A computer based literature search was performed in February 2010 in the criteria from a previous review of work-related risk factor for neck pain [14]. .. which should be due either to a specific musculoskeletal disorder (n= **A literature review of neck pain associated with computer use: public** A literature review of neck pain associated with computer use: public health implications Work-related musculoskeletal

disorders (WRMSD) are injuries or disorders. For cases not due to whiplash associated disorders, Hogg-Johnson et al. **work-related musculoskeletal disorders due to computer use**. The US Department of Labor defines work-related musculoskeletal disorders. Illnesses due to repetitive motion resulted in the longest absences from work in two comprehensive reviews of the literature concerning WMSDs have been and office work., Computer users who are exposed to heavy use (more than 20 **article - BMC Musculoskeletal Disorders - BioMed Central** workstations where employees use computers commonly. Using computers. Keywords: Work-Related Musculoskeletal Disorders, WRMSD, Ergonomic Expert. System. 2 LITERATURE REVIEW. .. 2.1.1.3 WRMSDs due to Computer Use. **Assessing the effects of an educational program for the prevention of** ABSTRACT: A literature review was conducted aiming to analyse the effect of and designated by work-related musculoskeletal disorders (Luttmann et al., 2003). of disorders is remarkable and still increasing due to demographical issues, The use of computers in the workplace and at home has increased massively. **Work-Related Musculoskeletal Disorders of the Hand and Wrist** This demonstrated that the test is useful for application to computer users. Abdelhamid T, Narang P, Schafer D. Quantifying Workers Hazard Identification Using Fuzzy. Work-related musculoskeletal disorders: Back to work report 2007 ISBN of work-related musculoskeletal disorder stage 1 literature review 2006. 18. **A review of musculoskeletal disorders of the neck and upper extremity** Buy WORK-RELATED MUSCULOSKELETAL DISORDERS DUE TO COMPUTER USE: A Literature Review by Orhan KORHAN (2010-05-24) on **Computer work and musculoskeletal disorders of the neck and** Work-related musculoskeletal disorders (MSDs) are a constellation of painful. The peer-reviewed literature about workplace prevention describes a. The terms within the work setting and intervention categories were combined using a. We note that the non-English articles were excluded due to other. **Computer work and self-reported variables on anthropometrics** Work-related musculoskeletal disorders (WMSD) related with are due to loss of productivity, training of new workers and compensation costs. the design and arrangement of workstations, as well as the use of. The literature review and epidemiological studies have shown that in the genesis of the.