

Assessment of musculo-skeletal problems of women entrepreneurs performing tailoring activity-drafting and cutting

■ DEEPA NAIK, J.P. ZEND AND MANJUSHA REVANWAR

Received: 01.09.2012; Revised: 19.10.2012; Accepted: 21.11.2012

See end of the paper for authors' affiliations

Correspondence to :

DEEPANAİK

Department of Family
Resource Management,
College of Home Science
Marathwada Krishi Vidyapeeth.,
PARBHANI (M.S.) INDIA
Email: naikdeepa25@gmail.com

■ **ABSTRACT** : Workers involved in sewing activities such as cutting, drafting, attaching sari fall and embroidery may be at risk of developing musculo-skeletal disorder. Hence, the present study was conducted to assess the musculo-skeletal problems by women entrepreneurs while performing tailoring activity drafting and cutting. The present study was carried out in Parbhani town of Marathwada region in Maharashtra state. Purposive random sampling was followed to select thirty subjects between age range of 25-35 years who were involved in tailoring enterprise and performing drafting and cutting of the sari blouse. M.A.U multipurpose tailoring stand developed by AICRP, Family Resource Management, College of Home Science was used as new technology. The results revealed that in traditional method that all the selected entrepreneurs who performed the tailoring activity drafting and cutting experienced pain in neck, shoulder joints and lumbar region. Whereas in improved method, all the entrepreneurs expressed that they did not experienced any kind of pain at neck and shoulder parts while performing drafting and cutting activities by improved method. It can be concluded from the data that musculo-skeletal disorders were less experienced when the work was performed by improved method.

■ **KEY WORDS** : Musculo-skeletal problems, Assessment, Tailoring, Drafting, Cutting

■ **HOW TO CITE THIS PAPER** : Naik, Deepa, Zend, J.P. and Revanwar, Manjusha (2012). Assessment of musculo-skeletal problems of women entrepreneurs performing tailoring activity-drafting and cutting. *Asian J. Home Sci.*, 7 (2): 461-463.

Growing environment of fashion, styles of clothing etc. demand greater expectation from the tailoring industries. Workers involved in sewing activities such as cutting, drafting, attaching sari fall and embroidery may be at risk of developing musculo-skeletal disorder. Musculo-skeletal disorder may be characterized by pain, numbness and a lack of mobility in the affected area, usually the hands, shoulders and backs. Sewing related injuries have been documented in the areas of sewing station performing fine work or scissor work and material handling among others. Wright and Susan (2001) found that a well designed convenient sewing area large or small saves time and energy. Several studies have shown that operator of sewing machines reports discomfort in the left shoulder, the neck, the back, and the lower extremities (e.g. Vihma *et al.*, 1982; Wick and Drury, 1986; Blader *et al.*, 1991). Musculo-skeletal complaints occurred more frequently among sewing machine operators

especially in neck, shoulders and lower limbs.

■ RESEARCH METHODS

The present study was carried out in Parbhani town of Marathwada region in Maharashtra state. Purposive random sampling was followed to select thirty subjects between the age range of 25-35 years who were involved in tailoring enterprise and performing drafting and cutting of the sari blouse. Questionnaire schedule was developed to note down the responses of the entrepreneurs. M.A.U multipurpose tailoring stand developed by AICRP, Family Resource Management, College of Home science was used as new technology. The activity drafting and cutting of the blouse was considered to know the difference between traditional and improved method. Musculo-skeletal problems encountered by women were recorded by using body map. The incidence of pain was recorded after the completion of