



 **Current Issue**

 **Browse Issues**

 **Search**



 **About this Journal**

 **Instruction to Authors**

 **Online Submission**

 **Subscription**

 **Contact Us**



 **RSS Feed**

Acta Medica Iranica

2009;47(4) : 19-26

COMBINED EFFECTS OF HEAT STRESS AND SHIFT WORK ON PHYSIOLOGICAL PARAMETERS IN FOUNDRY WORKERS

P.Nassiri, M. Taheri, F. Golbabaie, M. Mohammadzadeh

Abstract:

In order to investigate the combined effects of shift work and heat stress on the physiological parameters, such as heart rate (HR) and body temperature (BT), a hot-dry working environment was investigated for 53 workers in foundry workshops. In this study Wet Bulb Globe Temperature index (WBGT) was measured and along with that simultaneously heart rate and oral temperature were checked in 3 shifts. The results indicated that the physiological responses of workers changed whenever the shift changed and the responses were increased by a corresponding increase in heat stress, index.

Keywords:

[Heat stress](#) . [Shift work](#) . [Physiological parameters](#)

TUMS ID: 1534

Full Text HTML  Full Text PDF  428 kB

top ▲

[Home](#) - [About](#) - [Contact Us](#)

TUMS E. Journals 2004-2009
[Central Library & Documents Center](#)
[Tehran University of Medical Sciences](#)

Best view with Internet Explorer 6 or Later at 1024*768 Resolutions