

The aim of this work is to collect all available information about welding from individual methods through the risk factors in the working environment to their health effects. Part of this work is concept of preventive precautions, both technologically, technical and organizational. Like other professional branches the welding is constantly evolving and improving. The higher requirements of quality of workplace and preventive precautions are given. The future tendency is to achieve of half automation or full automation. Between the business firms, where the most of the welders work today, there is a large competition and it depends on firm which workplace, equipment and benefits will offer to its workers. Investments to safer workplace will return in the form of satisfied employees with higher productivity and lower morbidity. The observance of protective precautions and wearing protective equipment are requested by law to the welder. The questionnaire survey among the welders shows us certain relationship between the observance of safety by using protective equipment and the emergence of the health damage.