

## عنوان مقاله:

(Improving Safety and Performance of Medical Devices Based on Risk Management Standard (ISIRI 12136

## محل انتشار:

چهارمین کنفرانس بین المللی مهندسی قابلیت اطمینان (سال: 1395)

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## خلاصه مقاله:

Urban natural gas pipeline network are part of the urban infrastructure for the transmission of energy. Expanding and complex network of gas pipelines and development of urban infrastructure, gas distribution network developed rapidly. Natural gas is flammable, volatile and toxic compounds such as carbon monoxide due to, events such as fires, explosions and releases toxic gases can easily happen that it would be a great threat to public safety city. Pipelines are often buried in the ground and they are easy to wear and strain on the pipe caused by factors such as buildings and vehicles, and high population density and construction activities, contractors and government agencies can release gas from line or rupture of the pipe. Events such as fire or explosion can occur easily, causing a lot of damage. A variety of methods to analyze the risk and consequences, and manage it. Risk assessment of city gas distribution network and efficient way to better manage the safety of the gas distribution network that research in this field is relatively late (early 20th century) has been started. In 1995, pipeline risk management regulations America drew a lot of comments from scientific community. Huang model calculations of the probability of failure due to corrosion of pipes and evaluating the consequence invented. Due to the extensive network of urban gas pipelines in Iran familiar with risk assessment techniques and choose the appropriate method for gas companies is essential. In this research, the study provides a comprehensive overview on the techniques used in the risk assessment done municipal gas distribution network and most practical method for assessing gas distribution network is specified. The main purpose of this research provide the best techniques for risk assessment in accordance with the gas company .gas companies that have been raised Kurdistan final recommendations

## کلمات کلیدی:

Medical Devices, Risk Management, Quality Control, National Standard, ISIRI 12136

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