

## عنوان مقاله:

Role of hydrogen sulfide in health and disorder

## محل انتشار:

همایش بین المللی پزشکی، بهداشت عمومی و علوم زیستی (سال: 1395)

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## خلاصه مقاله:

In the past years biomedical researchers have recognized, H<sub>2</sub>S with Co and No are the main elements of gas transmitters. Despite the fact that, H<sub>2</sub>S has an environmental toxic effect, many useful effects of that on human being's health is well documented. This gas dose dependently has different effects, so has got the double faced nature, which means that, in low concentrations it might be useful for the body and it has antioxidant and cardioprotective effects, whereas in high qualities causes cytotoxic effects and stimulate OS. H<sub>2</sub>S improves cardiac function and cardiac complications in different pathogenic conditions, such as myocardial I/R injury, myocardial infarction, cardiac arrhythmia, cardiac hypertrophy, myocardial fibrosis, and heart failure, whereas this gas is directly linked to the initiation and development of periodontal diseases. The Current research is focusing on a different biologic aspect of H<sub>2</sub>S as a gas transmitter, including its chemical structure, its effect on health and disease treatment, and disorders caused by H<sub>2</sub>S. This review is trying to highlight the last findings on physiological and patophysiological roles of this gas and accumulating if it has a comprehensible resource

## کلمات کلیدی:

Hydrogen sulfide, Cardioprotective effects, Gas transmitter

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