Human Research Utilizing H2 Inhalation:

A Basic Study on Molecular Hydrogen (H2) Inhalation in Acute Cerebral Ischemia Patients for Safety Check

The Effects of Hydrogen Gas Inhalation on Adverse Left Ventricular Remodeling After Percutaneous Coronary Intervention for ST-Elevated Myocardial Infarction - First Pilot Study in Humans.

Hydrogen Gas Inhalation Treatment in Acute Cerebral Infarction: A Randomized Controlled Clinical Study on Safety and Neuroprotection.

Feasibility and Safety of Hydrogen Gas Inhalation for Post-Cardiac-Arrest Syndrome

Hydrogen Gas Inhalation Treatment in Acute Cerebral Infarction: A Randomized Controlled Clinical Study on Safety and Neuroprotection

References To H2 Inhalation Therapy:

A possible prevention strategy of radiation pneumonitis: Combined radiotherapy with aerosol inhalation of hydrogen-rich solution
http://www.medscimonit.com/abstract/index/idArt/881698

Molecular Hydrogen as a Novel Antioxidant: Overview of the Advantages of Hydrogen for Medical Applications (see 7.1 for inhalation)
http://rci.rutgers.edu/~advis/pdfs/04_20Molecular%20Hydrogen%20as%20a%20novel%20antioxidant.pdf

Hydrogen: From a Biologically Inert Gas to a Unique Antioxidant (see 5.1 for inhalation)

Hydrogen inhalation therapy shows promise in hospitals across Japan
https://www.gasworld.com/h2-inhalation-research-shows-promise-in-japanese-hospitals/2010537.article

Additionally, Hydrox, a gas mixture of hydrogen and oxygen, has been used as a breathing gas by deep-sea divers since the mid 1940’s
https://en.wikipedia.org/wiki/Hydrox_(breathing_gas)