

VĚDECKÉ POTVRZENÍ VODÍKU

While the exact biochemical mechanisms and primary targets of hydrogen are not yet fully comprehended, the therapeutic potential of hydrogen in cells, tissues, humans, animals, and even agricultural plants is gaining widespread recognition. This acknowledgment is underscored by the existence of over 500 peer-reviewed articles and a community of 1,600 researchers devoted to exploring the medical applications of hydrogen.

Přestože přesné biochemické mechanismy a primární cíle vodíku zatím nejsou známy a pochopeny, tak terapeutický potenciál vodíku v buňkách a v tkáních, ať už u lidí, u zvířat a dokonce i v zemědělských rostlinách, získává všeobecné uznání. Toto uznání je podloženo existencí více než 500 recenzovaných články a komunitou o 1 600 výzkumných pracovníků, kteří se věnují zkoumání lékařských aplikací vodíku.

For more information on molecular hydrogen, you can explore the following reputable scientific resources:

Další informace o molekulárním vodíku naleznete na následujících renomovaných stránkách vědeckých zdrojů:

1) IMMUNE SYSTEM HEALTH - ZDRAVÍ IMUNITNÍHO SYSTÉMU:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7376192/>

Hydrogen-rich water reduces inflammatory responses and prevents apoptosis of peripheral blood cells in healthy adults: a randomized, double-blind, controlled trial

(Voda bohatá na vodík snižuje zánětlivé reakce a zabraňuje apoptóze buněk periferní krve u zdravých dospělých: randomizovaná, dvojité zaslepená, kontrolovaná studie)

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6567800/>

Recent Advances in Studies of Molecular Hydrogen against Sepsis

(Nejnovější pokroky ve studiu molekulárního vodíku proti sepsi)

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3560832/>

Hydrogen-rich saline protects immunocytes from radiation-induced apoptosis

(Fyziologický roztok bohatý na vodík chrání imunocyty před apoptózou vyvolanou zářením)

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7495244/>

Hydrogen: A Novel Option in Human Disease Treatment

(Vodík: Nová možnost léčby lidských onemocnění)

2) COVID:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8569706/>
(2121) Molecular Hydrogen: A Promising Adjunctive Strategy for the Treatment of the COVID-19
(Molekulární vodík: Slibná doplňková strategie pro léčbu COVID-19)

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8896485/>
Hydrogen-oxygen therapy alleviates clinical symptoms in twelve patients hospitalized with COVID-19
(Terapie vodíkem a kyslíkem zmírňuje klinické příznaky u dvanácti pacientů hospitalizovaných s COVID-19)

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8872486/>
Molecular Hydrogen Positively Affects Physical and Respiratory Function in Acute Post-COVID-19 Patients: A New Perspective in Rehabilitation 1

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7330772/>
Hydrogen/oxygen mixed gas inhalation improves disease severity and dyspnea in patients with Coronavirus disease 2019 in a recent multicenter, open-label clinical trial
(Inhalace směsi vodíku a kyslíku zlepšuje závažnost onemocnění a dušnost u pacientů s koronavirovým onemocněním 2019 v nedávné multicentrické otevřené klinické studii.

HORMONE HEALTH - HORMONÁLNÍ ZDRAVÍ:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6178641/>
Emerging mechanisms and novel applications of hydrogen gas therapy
(Nové mechanismy a nové aplikace vodíkové terapie)

Scientific Report | 2 <https://pubmed.ncbi.nlm.nih.gov/28560519/>
Molecular hydrogen affects body composition, metabolic profiles, and mitochondrial function in middle-aged overweight women
(Molekulární vodík ovlivňuje složení těla, metabolické profily a funkci mitochondrií u žen středního věku s nadváhou)

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10141176/>
Therapeutic Potential of Molecular Hydrogen in Metabolic Diseases from Bench to Bedside
(Terapeutický potenciál molekulárního vodíku u metabolických onemocnění od stolu k lůžku pacienta)

3) HEALTHY INFLAMMATORY RESPONSE & ACTING AS AN ANTIOXIDANT - ZDRAVÁ ZÁNĚTLIVÁ REAKCE A PŮSOBENÍ JAKO ANTIOXIDANT:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7871940/>

Hydrogen-rich water suppresses the reduction in blood total antioxidant capacity induced by 3 consecutive days of severe exercise in physically active males

(Voda bohatá na vodík potlačuje snížení celkové antioxidační kapacity krve vyvolané třemi po sobě jdoucími dny těžké fyzické zátěže u fyzicky aktivních mužů.)

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7376192/>

Hydrogen-rich water reduces inflammatory responses and prevents apoptosis of peripheral blood cells in healthy adults: a randomized, double-blind, controlled trial

(Voda bohatá na vodík snižuje zánětlivé reakce a zabraňuje apoptóze buněk periferní krve u zdravých dospělých: randomizovaná, dvojitě zaslepená, kontrolovaná studie)

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6988658/>

Application of Molecular Hydrogen as a Novel Antioxidant in Sports Science

(Využití molekulárního vodíku jako nového antioxidantu ve sportovní vědě)

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6096066/>

Anti-inflammatory and antitumor action of hydrogen via reactive oxygen species

(Protizánětlivé a protinádorové působení vodíku prostřednictvím reaktivních forem kyslíku)

Scientific Report | 5 <https://pubmed.ncbi.nlm.nih.gov/30243702/>

Molecular hydrogen reduces acute exercise-induced inflammatory and oxidative stress status

(Molekulární vodík snižuje stav akutního zánětlivého a oxidačního stresu vyvolaného cvičením)

Scientific Report | 6 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10045005/>

Molecular Hydrogen: From Molecular Effects to Stem Cells Management and Tissue Regeneration

(Molekulární vodík: Od molekulárních účinků k řízení kmenových buněk a regeneraci tkání)

Scientific Report | 7 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5095341/>

(2016) Molecular hydrogen decelerates rheumatoid arthritis progression through inhibition of oxidative stress

(Molekulární vodík zpomaluje progresi revmatoidní artritidy prostřednictvím inhibice oxidačního stresu)

Scientific Report | 8

https://www.sciencedirect.com/science/article/pii/S1567576914002124?ref=pdf_download

(2014) Therapeutic efficacy of infused molecular hydrogen in saline on rheumatoid arthritis: A randomized, double-blind, placebo-controlled pilot study

(Terapeutická účinnost infuze molekulárního vodíku ve fyziologickém roztoku na revmatoidní artritidu: Randomizovaná, dvojitě zaslepená, placebem kontrolovaná pilotní studie)

Scientific Report | 9 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3563451/>
(2012) Consumption of water containing a high concentration of molecular hydrogen reduces oxidative stress and disease activity in patients with rheumatoid arthritis: an open-label pilot study
(Terapeutická účinnost infuze molekulárního vodíku ve fyziologickém roztoku na revmatoidní artritidu: Randomizovaná, dvojité zaslepená, placebem kontrolovaná pilotní studie)

Scientific Report | 10 <https://www.spandidos-publications.com/10.3892/etm.2018.6880>
(2018) Beneficial Effects of Hydrogen Gas Inhalation on a Murine Model of Allergic Rhinitis
(Příznivé účinky inhalace plynného vodíku na myším modelu alergické rýmy)

4) ASTHMA-ALLERGIC INFLAMMATION - ASTMATICKO-ALERGICKÝ ZÁNĚT:

Scientific Report | 1 <https://www.nature.com/articles/s41598-020-58999-0>
(2020) Hydrogen Attenuates Allergic Inflammation by Reversing Energy Metabolic Pathway Switch
(Vodík zmírňuje alergický zánět tím, že mění energetickou metabolickou dráhu)

Scientific Report | 2 <https://www.sciencedirect.com/science/article/abs/pii/S1567576918313638>
Hydrogen gas inhalation enhances alveolar macrophage phagocytosis in an ovalbumin-induced asthma model
(Inhalace plynného vodíku zvyšuje fagocytózu alveolárních makrofágů v modelu astmatu vyvolaného ovalbuminem)

5) COPD - CHOPN:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8120708/>
Hydrogen/oxygen therapy for the treatment of an acute exacerbation of chronic obstructive pulmonary disease: results of a multicenter, randomized, double-blind, parallel-group controlled trial
(Terapie vodíkem a kyslíkem při léčbě akutní exacerbace chronické obstrukční plicní nemoci: výsledky multicentrické, randomizované, dvojité zaslepené, paralelní skupinou kontrolované studie)

Scientific Report | 2 Hydrogen gas (XEN) inhalation ameliorates airway inflammation in asthma and COPD patients <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7785302/>

Scientific Report | 3 Hydrogen gas inhalation protects against cigarette smoke-induced COPD development in mice <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6051853/>

Scientific Report | 4 Hydrogen Therapy may be a Novel and Effective Treatment for COPD
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3108576/>

6) GUT HEALTH & DIGESTIVE ENZYME PRODUCTION - ZDRAVÍ STŘEV A TVORBA TRÁVICÍCH ENZYMŮ:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3231938/>
Effects of drinking hydrogen-rich water on the quality of life of patients treated with radiotherapy for liver tumors

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3679390/>
Hydrogen-rich water decreases serum LDL-cholesterol levels and improves HDL function in patients with potential metabolic syndrome

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5799803/>
Hydrogen-water ameliorates radiation-induced gastrointestinal toxicity via MyD88's effects on the gut microbiota

7) CARDIOVASCULAR HEALTH & DISEASE TREATMENT - KARDIOVASKULÁRNÍ ZDRAVÍ A LÉČBA ONEMOCNĚNÍ:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6600250/>
A New Approach for the Prevention and Treatment of Cardiovascular Disorders. Molecular Hydrogen Significantly Reduces the Effects of Oxidative Stress

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8353690/>
Application of Molecular Hydrogen in Heart Surgery under Cardiopulmonary Bypass Scientific

Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9555031/>
Molecular hydrogen exposure improves functional state of red blood cells in the early postoperative period: a randomized clinical study

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10239052/>
Hydrogen therapy as a potential therapeutic intervention in heart disease: from the past evidence to future application

8) HEART PROTECTION - OCHRANA SRDCE:

In diabetic mice, hydrogen water has shown significant improvements in heart health and the prevention of heart disease, holding promise as a potential intervention for diabetes-related heart issues.

U myši s diabetem vodíková voda prokázala výrazné zlepšení zdraví srdce a prevenci srdečních onemocnění, což slibuje potenciální intervenci při srdečních problémech souvisejících s cukrovkou.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/25979689%20>

Treatment with hydrogen molecule attenuates cardiac dysfunction in streptozotocin-induced diabetic mice

9) LIVER HEALTH ENHANCEMENT - ZLEPŠENÍ ZDRAVÍ JATER:

Research indicates that hydrogen water also demonstrates significant improvements in liver function and reduced oxidative stress in individuals with chronic hepatitis B.

Výzkum naznačuje, že vodíková voda rovněž vykazuje významné zlepšení funkce jater a snížení oxidačního stresu u osob s chronickou hepatitidou B.

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5350887/>

Effect of hydrogen-rich water on oxidative stress, liver function, and viral load in patients with chronic hepatitis B

Scientific Report | 2 <https://pubmed.ncbi.nlm.nih.gov/23682614/>

Effects of oral intake of hydrogen water on liver fibrogenesis in mice

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5350887/>

Effect of hydrogen-rich water on oxidative stress, liver function, and viral load in patients with chronic hepatitis B

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10196827/>

A strategy of local hydrogen capture and catalytic hydrogenation for enhanced therapy of chronic liver diseases

Scientific Report | 5 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8002796/>

Hydrogen treatment: a novel option in liver diseases

10) HEARING LOSS - ZTRÁTA SLUCHU:



Molecular hydrogen has exhibited potential in protecting hearing cells from oxidative damage, providing hope for mitigating hearing loss due to noise or oxidative stress.

Molekulární vodík má potenciál chránit sluchové buňky před oxidačním poškozením, což dává naději na zmírnění ztráty sluchu způsobené hlukem nebo oxidačním stresem.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/19339905/>

Hydrogen protects auditory hair cells from free radicals

Scientific Report | 2 <https://pubmed.ncbi.nlm.nih.gov/22387110/>

Hydrogen-rich saline alleviates experimental noise-induced hearing loss in guinea pigs

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4063935/>

Hydrogen-saturated saline protects intensive narrow band noise-induced hearing loss in guinea pigs through an antioxidant effect

11) EYE PROTECTION - OCHRANA ZRAKU:

Research has demonstrated that hydrogen-loaded eye drops can aid in the recovery of eye injuries caused by high eye pressure, suggesting a possible use as a first-aid eye rinse.

Výzkum prokázal, že oční kapky s obsahem vodíku mohou pomoci při zotavení po poranění oka způsobeném vysokým očním tlakem, což naznačuje možnost použití jako oční výplach první pomoci.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/19834032/>

Protection of the retina by rapid diffusion of hydrogen: administration of hydrogen-loaded eye drops in retinal ischemia-reperfusion injury

Scientific Report | 2 <https://pubmed.ncbi.nlm.nih.gov/20847117/>

Hydrogen and N-acetyl-L-cysteine rescue oxidative stress-induced angiogenesis in a mouse corneal alkali-burn model

Scientific Report | 3 <https://pubmed.ncbi.nlm.nih.gov/25801048/>

Protective effect of molecular hydrogen against oxidative stress caused by peroxynitrite derived from nitric oxide in rat retina

12) ALLERGIES - ALERGIE:

Hydrogen water exhibits potential in alleviating allergies through its antioxidant properties, showing promise in immune response balance and symptom improvement.

Vodíková voda má potenciál zmírnit alergie díky svým antioxidačním účinkům. a slibně působí na rovnováhu imunitní reakce a zlepšení příznaků.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/19766097/>

Molecular hydrogen suppresses FcεpsilonRI-mediated signal transduction and prevents degranulation of mast cells

13) SKIN HEALTH - ZDRAVÍ KŮŽE:

Hydrogen water has been linked to enhanced collagen production, reduced UV damage, and antioxidant effects in skin cells, suggesting potential benefits for skin aging and inflammation.

Vodíková voda je spojována se zvýšenou tvorbou kolagenu, snížením poškození UV zářením, a antioxidačními účinky v kožních buňkách, což naznačuje potenciální přínosy pro stárnutí kůže a její ochranu.
záněty.

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3407032/>

Hydrogen(H₂) treatment for acute erythematous skin diseases. A report of 4 patients with safety data and a non-controlled feasibility study with H₂ concentration measurement on two volunteers

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3852999/>

The Drinking Effect of Hydrogen Water on Atopic Dermatitis Induced by Dermatophagoides farinae Allergen in NC/Nga Mice

14) DIABETES - DIABETES:

Research suggests that hydrogen water consumption may lead to improvements in cholesterol, glucose tolerance, and insulin resistance in individuals with type 2 diabetes or prediabetes.

Výzkum naznačuje, že konzumace vodíku může vést ke zlepšení cholesterolu, glukózové tolerance a inzulínové rezistence u osob s diabetem 2. typu. nebo prediabetem.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/19083400/>

Supplementation of hydrogen-rich water improves lipid and glucose metabolism in patients with type 2 diabetes or impaired glucose tolerance

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3542317/>
(2013) Hydrogen Improves Glycemic Control in Type1 Diabetic Animal Model by Promoting Glucose Uptake into Skeletal Muscle

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3542317/>
(2020) Hydrogen improves glycemic control in type1 diabetic animal model by promoting glucose uptake into skeletal muscle

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9889559/>
(2023) Effectiveness and safety of hydrogen inhalation as an adjunct treatment in Chinese type 2 diabetes patients: A retrospective, observational, double-arm, real-life clinical study

Scientific Report | 5 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9515190/>
Photocatalytic glucose depletion and hydrogen generation for diabetic wound healing

Scientific Report | 6 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7291681/>
Molecular hydrogen improves type 2 diabetes through inhibiting oxidative stress

Scientific Report | 7 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5754517/>
Subcutaneous injection of hydrogen gas is a novel effective treatment for type 2 diabetes

15) WEIGHT MANAGEMENT METABOLIC - METABOLICKÁ REGULACE HMOTNOSTI:

Long-term consumption of hydrogen water has been associated with fat and weight loss, resembling the effects of calorie restriction.

Dlouhodobá konzumace vodíku je spojena s úbytkem tuku a váhy, což se podobá účinkům omezení příjmu kalorií.

Scientific Report | 1 <https://onlinelibrary.wiley.com/doi/10.1038/oby.2011.6>
Molecular hydrogen improves obesity and diabetes by inducing hepatic FGF21 and stimulating energy metabolism in db/db mice

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9967957/>
The Effects of Hydrogen-Rich Water on Blood Lipid Profiles in Clinical Populations: A Systematic Review and Meta-Analysis

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3679390/>
Hydrogen-rich water decreases serum LDL-cholesterol levels and improves HDL function in patients with potential metabolic syndrome

16) CANCER - RAKOVINA:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8123813/>
Molecular Hydrogen as a Potential Clinically Applicable Radioprotective Agent

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3805896/>
Hydrogen as a New Class of Radioprotective Agent

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7189362/>
Hydrogen gas represses the progression of lung cancer via down-regulating CD47

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7885710/>
Hydrogen therapy can be used to control tumor progression and alleviate the adverse events of medications in patients with advanced non-small cell lung cancer

Scientific Report | 5 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8092147/>
Two weeks of hydrogen inhalation can significantly reverse adaptive and innate immune system senescence patients with advanced non-small cell lung cancer: a self-controlled study

Scientific Report | 6 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7448556/>
Suppression of autophagy facilitates hydrogen gas-mediated lung cancer cell apoptosis

Scientific Report | 7 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6691140/>
Hydrogen Gas in Cancer Treatment

17) HYPERTENSION - HYPERTENZE:

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9585236/>
(2022) The effect of a low dose hydrogen-oxygen mixture inhalation in midlife/older adults with hypertension: A randomized, placebo-controlled trial

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7692487/>
Daily inhalation of hydrogen gas has a blood pressure-lowering effect in a rat model of hypertension

Scientific Report | 3 <https://pubmed.ncbi.nlm.nih.gov/30259991/>



Hydrogen gas reduces chronic intermittent hypoxia-induced hypertension by inhibiting sympathetic nerve activity and increasing vasodilator responses via the antioxidation

18) ATHLETIC & MUSCLE PERFORMANCE - ATLETICKÁ A SVALOVÁ VÝKONNOST:

Hydrogen water has exhibited potential in reducing lactic acid build-up, decreasing muscle fatigue during exercise, and potentially aiding muscle-wasting diseases.

Vodíková voda má potenciál snižovat tvorbu kyseliny mléčné a snižovat její obsah v organismu a snižovat svalovou únavu během cvičení a potenciálně pomáhá při onemocněních způsobujících úbytek svalové hmoty.

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3395574/>

Pilot study: Effects of drinking hydrogen-rich water on muscle fatigue caused by acute exercise in elite athletes

Scientific Report | 2 <https://pubmed.ncbi.nlm.nih.gov/28474871/>

Effects of hydrogen rich water on prolonged intermittent exercise

Scientific Report | 3 <https://pubmed.ncbi.nlm.nih.gov/25295663/>

Effectiveness of oral and topical hydrogen for sports-related soft tissue injuries

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6837388/>

Molecular hydrogen alleviates motor deficits and muscle degeneration in mdx mice

19) ANTI-INFLAMMATORY PROPERTIES - PROTIZÁNĚTLIVÉ ÚČINKY:

Hydrogen water has shown promise in alleviating inflammation in rheumatoid arthritis and other conditions.

Vodíková voda slibně zmírňuje zánět u revmatoidní artritidy a dalších onemocněních.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/23031079/>

Consumption of water containing a high concentration of molecular hydrogen reduces oxidative stress and disease activity in patients with rheumatoid arthritis: an open-label pilot study

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3788323/>

Molecular hydrogen: new antioxidant and anti-inflammatory therapy for rheumatoid arthritis and related diseases

Scientific Report | 3 <https://pubmed.ncbi.nlm.nih.gov/11510417/>

Anti-inflammatory properties of molecular hydrogen: investigation on parasite-induced liver inflammation

20) MOOD DISORDERS - PORUCHY NÁLAD:

Research suggests that hydrogen water may promote the growth of brain cells, potentially offering benefits for mood disorders such as depression.

Výzkum naznačuje, že vodíková voda může podporovat růst mozkových buněk, a tím může být prospěšná při poruchách nálady, jako je například deprese.

Scientific Report | 1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4812321/>
Effects of hydrogen-rich water on depressive-like behavior in mice

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409143/>
Molecular Hydrogen Reduces LPS-Induced Neuroinflammation and Promotes Recovery from Sickness Behaviour in Mice

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5575246/>
Molecular hydrogen increases resilience to stress in mice

21) ANTIOXIDANT & BRAIN PROTECTION - ANTIOXIDANT A OCHRANA MOZKU:

Hydrogen-infused water has demonstrated antioxidant properties, potentially protecting cells from damage, including in stroke patients.

Voda obohacená vodíkem má prokázané antioxidační vlastnosti, které mohou chránit buňky před poškozením, a to i u pacientů po mrtvici.

Scientific Report | 1 <https://pubmed.ncbi.nlm.nih.gov/17486089/>
Hydrogen acts as a therapeutic antioxidant by selectively reducing cytotoxic oxygen radicals

Scientific Report | 2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3694409/>
Safety of intravenous administration of hydrogen-enriched fluid in patients with acute cerebral ischemia: initial clinical studies

Scientific Report | 3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4865993/>



A randomized double-blind multi-center trial of hydrogen water for Parkinson's disease: protocol and baseline characteristics

Scientific Report | 4 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10057981/>
Therapeutic Inhalation of Hydrogen Gas for Alzheimer's Disease Patients and Subsequent Long-Term Follow-Up as a Disease-Modifying Treatment: An Open Label Pilot Study

Scientific Report | 5 <https://pubmed.ncbi.nlm.nih.gov/28669654/>
Hydrogen Gas Inhalation Treatment in Acute Cerebral Infarction: A Randomized Controlled Clinical Study on Safety and Neuroprotection

Scientific Report | 6 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6664236/>
Effects of Molecular Hydrogen on Methamphetamine-Induced Neurotoxicity and Spatial Memory Impairment

Scientific Report | 7 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6087877/>
Hydrogen-Rich Water Ameliorates Autistic-Like Behavioral Abnormalities in Valproic Acid-Treated Adolescent Mice Offspring

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease."

*Tato prohlášení nebyla vyhodnocena Úřadem pro kontrolu potravin a léčiv.
Tyto výrobky nejsou určeny k diagnostice, léčbě, vyléčení nebo prevenci jakýchkoli onemocnění."