

Basic, Biological and Therapeutic Processes of Ozone Therapy in

International Journal of Molecular Sciences in 2021/2022

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Cellular and Molecular Mechanisms of Ozone Therapy: Present Knowledge and Prospective Applications

Manuela Malatesta, Barbara Cisterna and Manuela Costanzo

Int. J. Mol. Sci. **2022**, *23*(20), 12586 <https://www.mdpi.com/1422-0067/23/20/12586>

Ozone In Medicine. The Low-Dose Ozone Concept and Its Basic Biochemical Mechanisms of Action In Chronic Inflammatory Diseases

Renate Viebahn-Haensler, Olga Sonia León Fernández

Int. J. Mol. Sci. **2021**, *22*, 7890 <https://doi.org/10.3390/ijms22157890>

Intra Articular Ozone Modulates Inflammation and Has Anabolic Effect on Knee Osteoarthritis: IL-6 and IGF-1 as Pro-Inflammatory and Anabolic Biomarkers

Processes **2022**, *10*(1), 138; <https://doi.org/10.3390/pr10010138>

Male vs. Female Differences in Responding to Oxygen–Ozone Autohemotherapy (O₂-O₃-AHT) in Patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS)

J. Clin. Med. **2022**, *11*(1), 173; <https://doi.org/10.3390/jcm11010173>

Fatigue Symptoms When Treated with Oxygen-Ozone Autohemotherapy

J. Clin. Med. **2022**, *11*(1), 29; <https://doi.org/10.3390/jcm11010029>

The Relationship between Ozone and Human Blood in the Course of a Well-Controlled, Mild, and Transitory Oxidative Eustress

Antioxidants **2021**, *10*(12),

1946; <https://doi.org/10.3390/antiox10121946>

The Biological Effects of Ozone Gas on Soft and Hard Dental Tissues and the Impact on Human Gingival Fibroblasts and Gingival Keratinocytes

Processes **2021**, *9*(11),

1978; <https://doi.org/10.3390/pr9111978>

Systemic Review: Ozone: A Potential New Chemotherapy

Int. J. Mol. Sci. **2021**, *22*(21), 11796; <https://doi.org/10.3390/ijms222111796>

Comparison of the Efficacy of Dextrose Prolotherapy and Ozone in Patients with Knee Osteoarthritis: A Randomized Cross-Sectional Study

Appl. Sci. **2021**, *11*(21), 9991; <https://doi.org/10.3390/app11219991>

Low Ozone Concentrations Differentially Affect the Structural and Functional Features of Non-Activated and Activated Fibroblasts In Vitro

Int. J. Mol. Sci. **2021**, *22* (18),

10133; <https://doi.org/10.3390/ijms221810133>

Ozone as Modulator of Resorption and Inflammatory Response in Extruded Nucleus Pulposus Herniation. Revising Concepts

Int. J. Mol. Sci. **2021**, *22*(18),

9946; <https://doi.org/10.3390/ijms22189946>

Ozonized Water Administration in Peri-Implant Mucositis Sites: A Randomized Clinical Trial *Appl. Sci.* 2021, **11**(17), 7812; <https://doi.org/10.3390/app11177812>

Potential Short-Term Air Pollution Effects on Rheumatoid Arthritis Activity in Metropolitan Areas in the North of Italy: A Cross-Sectional Study *Int. J. Environ. Res. Public Health* 2021, **18**(16), 8490; <https://doi.org/10.3390/ijerph18168490>

Ozone Gel in Chronic Periodontal Disease: A Randomized Clinical Trial on the Anti-Inflammatory Effects of Ozone Application *Biology* 2021, **10**(7), 625; <https://doi.org/10.3390/biology10070625>

Application of Ozone Therapy in the Conservative Surgical Treatment of Osteonecrosis of the Jaw: Preliminary Results <https://doi.org/10.3390/proceedings2019035022>

Modulation of Oxidative Stress by Ozone Therapy in the Prevention and Treatment of Chemotherapy-Induced Toxicity: Review and Prospects *Antioxidants* 2019, **8**(12), 588; <https://doi.org/10.3390/antiox8120588>

The Role of Nrf2 in the Antioxidant Cellular Response to Medical Ozone Exposure *Int. J. Mol. Sci.* 2019, **20** (16), 4009; <https://doi.org/10.3390/ijms20164009>

A Systematic Review of Oxygen Therapy for the Management of Medication-Related Osteonecrosis of the Jaw (MRONJ) *Appl. Sci.* 2019, 9(5), 026; <https://doi.org/10.3390/app9051026>

Intraperitoneal Administration of Oxygen/Ozone to Rats Reduces the Pancreatic Damage Induced by Streptozotocin
Biology 2018, 7(1),10; <https://doi.org/10.3390/biology7010010>