

According to results obtained at the Viamed Virgen de la Paloma Hospital in Madrid  
(Spain)

### **Ozonized Saline Solution (O<sub>3</sub>SS) could be an effective supplement in the management of patients with COVID-19**

Treatment with ozonized saline solution, an application route of ozone therapy, improves oxygen metabolism and modulates inflammatory processes, among other positive effects, according to data from the Spanish Association of Medical Professionals in Ozone Therapy (AEPROMO)

Madrid, July 6, 2020

Ozone therapy treatment with ozonized saline solution (O<sub>3</sub>SS) could be an effective complement in the management of patients with COVID-19, according to the results obtained last April by a medical team under the direction of Dr. Adriana Schwartz, president of Aepromo (Spanish Association of Medical Professionals in Ozone Therapy).

The results indicate that ozonized saline (O<sub>3</sub>SS) is a "cheap, safe and effective" complementary treatment to combat COVID-19, explains the medical team. Among other positive effects on the body of patients, O<sub>3</sub>SS "improves oxygen metabolism and acts as an anti-inflammatory."

According to Dr. Schwartz, "the idea of trying this complementary therapy came from the official confirmation from the WHO that there were no specific vaccines or pharmaceutical treatments available for COVID-19. Given the severity and lethality of the complications with which the infection occurs, we believe that our efforts should be directed preferably and urgently to improve microcirculation, hypoxia and inflammation from scratch, in hospitalized patients."

The results obtained indicate that O<sub>3</sub>SS improves oxygen metabolism; decreases oxidative stress, inducing the synthesis of endogenous antioxidants; it acts as a powerful anti-inflammatory and anti-platelet agent, thus preventing thrombus formation.

#### **Ozonized saline is a medical act**

Dr. Schwartz indicates that "the administration of ozonized saline solution (O<sub>3</sub>SS) is a medical act that must be carried out by physicians. The O<sub>3</sub>SS is a route of application ozone therapy that has broad support from scientific studies".

#### **600 treatments were administered and no deceased**

The application of ozonized saline solution as a complementary therapy was carried out in one of the most critical periods of the pandemic, at the Madrid Hospital Viamed

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#### **AEPROMO**

Avda. Juan Andrés nº60  
Local 1 bajo - Posterior  
28035, Madrid (España)  
[www.aepromo.org](http://www.aepromo.org)

**NIF: G85531903**

Tel/fax (English - Castellano) (+34) 913515175  
Móvil / Cell phone (English - Castellano) (+34) 669685429  
Móvil / Cell phone (Castellano) (+34) 609608737  
[info@aepromo.org](mailto:info@aepromo.org)

Virgen de la Paloma. About 600 treatments of ozonized saline solution were administered to patients who had been hospitalized for between fifteen days and one month, on an adjuvant basis within the framework of the hospital protocol. In other words, no medication was withdrawn, since O<sub>3</sub>SS was applied as a complementary therapy.

The condition of the hospitalized patients ranged from moderate to severe. All of them were assisted with oxygen support, the vast majority were face down (prone) to breathe better and were emotionally very stressed.

### **Very fast and positive response**

According to the collected results, the response of patients to the treatment was very fast. Within 24 hours, the PCR (parameter that measures inflammation) curves plummeted. The same occurred with other biochemical parameters and clinical symptoms. Fever rapidly normalized, while dyspnea and fatigue subsided significantly. At 72 hours the oxygen saturation in all of them had improved remarkably (towards 96-98%).

On the fifth day of treatment, the basic medication was reduced in most of them and discharges began. On the tenth day, the entire COVID-19 floor of the hospital had been discharged. The medical team observed no side effects and no deaths were recorded. The results obtained have been duly compiled and analyzed in order to form part of a scientific article in the process of publication.

The draft of the scientific paper indicates that O<sub>3</sub>SS as a complementary therapy should be recommended for patients with mild to severe disease due to COVID-19, since it accelerates the recovery of the patient, stabilizes the biochemical indexes, prevents thrombus formation and reduces the need for oxygen support.

### **Prophylaxis for healthcare personnel**

The ozonized saline solution was also used as a prophylactic for exposed health personnel of the hospital and other centers, with the result that none of the professionals who received it fell ill. The same applied to the medical team that was in charge of this work as well as to their families. None of them got sick.

### **Participating entities**

The medical work of application of O<sub>3</sub>SS in hospitalized patients at the Viamed Virgen de la Paloma Hospital was carried out in collaboration with the Hospital, Aepromo (Spanish Association of Medical Professionals in Ozone Therapy), Sesmi (Spanish Society of Integrative Medicine and Health), and Sedecal (Spanish Society of Electro medicine and Quality) which provided the CE-marked medical ozone generators and donated the disposable devices for the administration of the ozonized saline solution. The doctors who carried out the medical work were Adriana Schwartz, President of



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OZONOTERAPIA

Aepromo, and Alejandra Menassa, President of Sesmi. The two professionals did it in a totally altruistic way, without receiving any financial compensation, and without conflict of interest.

**For more information:**

AEPROMO: [Info@aepromo.org](mailto:Info@aepromo.org)

Tel. (+ 34) 669685429;

(+ 34) 913515175

**VIRGEN DE LA PALOMA HOSPITAL:**

Cristina Cañadas / Nayua Pérez

Tel. (+34) 916397700

[cristina.comunicacion@viamedsalud.com](mailto:cristina.comunicacion@viamedsalud.com)

[nayua.comunicacion@viamedsalud.com](mailto:nayua.comunicacion@viamedsalud.com)

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Móvil / Cell phone (Castellano) [\(+34\) 609608737](tel:+34609608737)  
[info@aepromo.org](mailto:info@aepromo.org)