

PROCEEDINGS OF THE WORLD CONFERENCE ON OZONE THERAPY IN MEDICINE, DENTISTRY AND VETERINARY. ANCONA (ITALY). SEPTEMBER 22nd – 23rd - 24th, 2017

Ozonotherapy for equine laminitis [abstract]

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ABSTRACT

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Citation

Flores-Colin E, Gayon-Amaro SG. Ozonotherapy for equine laminitis [abstract]. Proceedings of The World Conference on Ozone Therapy in Medicine, Dentistry and Veterinary. Ancona (Italy). September 22nd – 23rd - 24th, 2017. *J Ozone Ther.* 2019;3(4):16-17. doi: 10.7203/jo3t.3.4.2019.15421

Academic Editor

Jose Baeza-Noci,
School of Medicine, Valencia
University, SPAIN

Editor

World Federation of Ozone Therapy,
Bolgna, ITALY

Received

June 17, 2019

Accepted

December 08, 2019

Published

December 30, 2019

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Purpose: To teach and to demonstrate the efficiency of ozone therapy in horses with chronic laminitis.

Patients and methods: Six horses with chronic laminitis were treated with two ozonotherapy techniques. All horses were 4/5 or 5/5 grade lameness [1], showed severe pain in the fore limbs and were no able to move.

- Inyectable distilled water
- 14G Catheter needles
- 500 mL blood transfusion bags
- Venoset
- Gloves
- 60 mL syringes
- 2% Lidocaine
- Medicinal oxygen
- Ozone generator
- 21G butterfly needles

1 Spanish and 2 Quarter horses were treated with hyperperfusion technique via cephalic vein injecting 60 mL of distilled water previously ozonized with 85 mcgr/mL of the oxygen-ozone mixture.

1 Thoroughbred, 1 Appaloosa and 1 Quarter horses were treated with the hyperperfusion technique via the cephalic vein and with major autohemotherapy [2,3] extracting 250 mL of blood in a transfusion bag and ozonizing it with 250 mL of the ozone-oxygen mixture with concentration of 23-25 mcgr/mL.

4 horses were treated weekly for 4 sessions (1 Spanish, 2 Quarter and 1 Thoroughbred). Those patients improved between 90 and 95%. The grade of lameness were between 1/5 and 2/5 after treatment.

2 horses (1 Quarter and 1 Appaloosa) were treated once, they did not improved as they were not evaluated nor treated with the established protocol.

Discussion: Compared to conventional treatments [3], ozonotherapy yielded better results in time and quality of recovery.

Conclusion: Ozonotherapy is the best choice we have developed for chronic laminitis in horses.

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