

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

Intraperitoneal and local ozone applications in veterinary oncology treatment [abstract]

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ABSTRACT

OPEN ACCESS

Citation

Caquetti A. Intraperitoneal and local ozone applications in veterinary oncology treatment [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):7-8. doi: 10.7203/jo3t.3.4.2019.15397

Academic Editor

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

Editor

World Federation of Ozone Therapy,
Bologna, ITALY

Received

June 17, 2019

Accepted

December 08, 2019

Published

December 30, 2019

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The elevated incidence of some non treatable, or with low therapeutic results, side effects in certain areas of veterinary medicine such as oncology, orthopaedics, wounds and infections in dogs, cats, and horses is notoriously reported and differentiated in several infirmities. These side effects manifest in symptoms acting as locomotor disability, pain, and in some cases, they result in a great loss of life quality in animals and their owners alike.

Therefore, intraperitoneal and local ozone applications have brought relevant results and are now being used as complementary or, in certain cases, only treatment. The goal of this lecture is to show the use as well as the results and techniques used in oncological pathologies treated with intraperitoneal and local ozone applications which did not respond ,or had low therapeutic results, to conventional veterinary treatment. All this demonstrates that Intraperitoneal as well as local ozone applications are powerful tools available to veterinarians in order to promote relief, comfort, or, possibly, cure to animals.

References:

- Schulz S, Haussler U, Mandic R, et al. Treatment with ozone/oxygen-pneumoperitoneum results in complete remission of rabbit squamous cell carcinoma. *Int. J. Cancer.* 2008;122:2360–2367.
- Dunne AA, Mandic R, Ramaswamy A, et al. Lymphogenic metastatic spread of auricular VX2 carcinoma in New Zealand white rabbits. *Anticancer Res* 2002;22:3273–3279.
- Schaefer C, Kim GG, Albers A, Hoermann K, Myers EN, Whiteside TL. Characteristics of CD41CD251 regulatory T cells in the peripheral circulation of patients with head and neck cancer. *Br J Cancer* 2005;92:913–920.
- Schneider MR, Tang DG, Schirner M, Honn KV. Prostacyclin and its analogues: antimetastatic effects and mechanisms of action. *Cancer Metastasis Rev.* 1994;13:349–364.
- Bhardwaj N. Harnessing the immune system to treat cancer. *J Clin Invest.* 2007;117:1130–1136
- Lin WW, Karin M. A cytokine-mediated link between innate immunity, inflammation, and cancer. *J Clin Invest* 2007;117:1175–1183.
- Schulz S, Rodriguez ZZ, Mutters R, Menendez S, Bette M. Repetitive pneumoperitoneum with ozonized oxygen as a preventive in lethal polymicrobial sepsis in rats. *Eur Surg Res.* 2003;35:26–34.

8. van Es RJ, Baselmans AH, Koten JW, Van Dijk JE, Koole R, Den Otter W. Perilesional IL-2 treatment of a VX2 head-and-neck cancer model can induce a systemic anti-tumour activity. *Anticancer Res.* 2000;20:4163–4170.
9. Neudecker J, Sauerland S, Neugebauer E, et al. The European Association for Endoscopic Surgery clinical practice guideline on the pneumoperitoneum for laparoscopic surgery. *Surg Endosc.* 2002;16:1121–1143.
10. Hicks AM, Riedlinger G, Willingham MC, et al. Transferable anticancer innate immunity in spontaneous regression/complete resistance mice. *Proc Natl Acad Sci USA.* 2006;103:7753–7758.