

Conference Presentation

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Role of high dilutions in anesthetic recovery in dogs

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Abstract

Introduction: Post-operative period has been associated with risks like depression of cardiorespiratory system, hypothermia etc., especially under influence of anesthesia. Therefore, short anesthetic recovery is important.

Aims: The objective of this study was to evaluate whether homeopathic drug *Papaver somniferum* 30cH can help reducing the duration of post-surgery anesthesia, and whether there is any change in cardiac rhythm and body temperature.

Materials and Methods: We evaluated 16 dogs submitted for sterilization surgery in the Veterinary Hospital of University of Santo Amaro. The animals were divided in three groups: Group-I: treated with *Papaver* 30cH (n=7); Group-II: treated with 10% hydroalcoholic solution (n=5) (positive control); and Group-III: negative controls (who did not take anything)(n=4). Four drops of drug/placebo were given *per os*, immediately after the surgery, repeated every 15 min until dog became conscious. Data were analyzed statistically by ANOVA followed by the Tuckey Kramer Test, $p \leq 0.05$ being significant.

Results: The results showed that animals treated with *Papaver* returned from anesthesia (20 ± 2.80 minutes) faster than the hydroalcoholic group (34 ± 6.49 minutes), $p \leq 0.05$. No statistical difference was seen between the positive and negative control. There was no statistical difference between the groups in cardiorespiratory and temperature parameters.

Discussion: Other studies have shown similar effects using *Veratrum album*. The *Papaver somniferum* has remarkable pharmacological action in bradycardia, bradypnea, respiratory smooth muscle, with sedative and analgesic properties.

Conclusion: The *Papaver somniferum* 30cH may be considered as a medicinal aid in the shortening the post-surgical anesthesia time, however more studies are needed to establish this observation.

Keywords: Homeopathy, high dilutions, anesthesia, *Papaver somniferum*, dog.

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