شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم

HANAA ALY

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جامعة عين شمس

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قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
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Electroacupuncture Anaesthesia For Laparotomy and Laparoscopic Surgery In Goats

Thesis

Presented by

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For

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Supervision Sheet

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DEDICATION

To
My Mother & the soul of My Father

Who have provided never-ending support and taught me the value of a life and gave me the opportunity to pursue my love of Veterinay Surgery field

To
My scincere and beloved wife
& my sisters and brothers who encourage me to
Success

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Abstract

Electroacupuncture was applied to ten freshly chosen acupoints on fifteen stable adult bucks. Eyelid closing, head and neck relaxing, rumen motility, and tympany were all improved in the research goats. The critical parameters indicated that the body temperature was abnormally high. The heart rate rose dramatically ($p \leq 0.246$). The respiratory rate increased by a significant amount ($p \leq 0.043$). The CRT showed a statistically significant improvement ($p \leq 0.691$). The hematocrit value was abnormally high. The level of haemoglobin in the blood was abnormally high. RBCs, platelets, workers' cells, and SPO2 levels all improved dramatically. Eosinophils, WBCs, lymphocytes, monocytes, and segmented cells were found to be unimportant. ALT and AST ratios were unremarkable. The significant mean pain tolerance level was (0.02 ± 0.03), and the significant cortisol level was (0.02 ± 0.03). Electroacupuncture had several important parameters, according to the findings. In goats, electroacupuncture was thought to be a potent anaesthetic for abdominal surgery. Furthermore, wound healing was outstanding and improved. The same goats were used for laparoscopic surgery after a month. 15 adult bucks were split into three categories, each with five bucks: (group I) received electroacupuncture at 10 newly chosen acupoints, (group II) received electroacupuncture plus detomidine, and (group III) received detomidine alone. The group (I) had the largest rate of eyelid closing, followed by group (II) (III). Groups (I) and (II) had slightly higher rates of head and neck relief than category (I) (III). The rate of head and neck relaxing was not substantially different in the group (I). Classes (II) and (III) had slightly lower rates of tympany than category (I) (I). However, group (II) did not vary substantially from group (I) (III). Eyelid closing, head and neck relief, rumen motility, and tympany were all improved in a group (I). Group (II) had a heart rhythm that was not substantially different from the group (I) (III). Group (I) has a slightly higher mean body temperature than group (II) (III). The mean body temperature of the group (II) was comparable to that of groups (I) and (II) (III). Groups (I) and (II) had respiratory rates that were not substantially different from the group (I) (III). All three classes had substantially different mean capillary fill times. The three classes had slightly different eosinophils, hematocrit, lymphocytes, monocytes, platelets, RBCs, segmented cells, and SPO2. Group (III) exhibited the highest eosinophils, lymphocytes, and segmented cells, followed by group (II). Group (II) recorded the highest SPO2 levels, followed by a group (III). Group (I) exhibited the highest hematocrit, monocytes, platelets, and RBCs levels, followed by a group (III). The WBCs counts of groups (II) and (III) were significantly higher than group (I). The WBCs count of the group (II) did not significantly differ from that of the group (III). ALT and AST showed no significance. The cortisol levels for groups (I) and (III) were significantly lower than that of the group (II). Also, cortisol levels of the group (I) did not significantly differ from that of the group (III). The pain threshold levels of the three groups were significantly different. Group (III) recorded the highest pain threshold levels, followed by group (II). Thus, electroacupuncture works more potent and achieves sufficient abdominal anaesthesia suitable for goat abdomen surgery superior to the other two regimes .The following acupoints included into newly ten selected acupoints for laparotomy or laparoscopy in bucks which nomenclatured as Qi-jia (Withers) (+ve) concerted with St 36 (Tsu-San-Li) (-ve); Tianping (+ve) conecrted along Da-Kua (Greater Trochanter) (-ve); Gov 20 (Baihui) (+ve) concerted with Sp 6 (Sanyinjao) (-ve); BL 30 (Baihuanshu) (+ve) concerted along Liv 14 (Chimen) (-ve) & BL 30 (Baihuanshu) (+ve) connected to TW 8 (Triple Warmer or Triple Heater) (-ve). In addition to two-parallel needles, away from each other inserted subcutaneously and muscle layers in the surgery area. The successful results achieved by KWD-808I electric stimulator, it induced dense dispersed wave output at frequencies 20-30 Hz.

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