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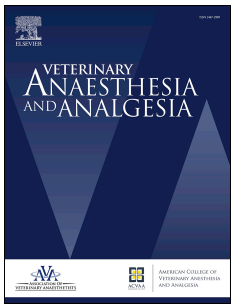

Comparison of the sedative effects of nalbuphine and butorphanol, alone or in combination with acepromazine in dogs

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SHORT COMMUNICATION

Running head (Author): *VH Gomes et al.*

Running head (Short title): Nalbuphine and butorphanol in dogs

Comparison of the sedative effects of nalbuphine and butorphanol, alone or in combination with acepromazine in dogs

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Abstract

Objective To compare sedation and effects on heart rate (HR), mean arterial pressure (MAP) and respiratory rate (f_R) of nalbuphine and butorphanol, alone or combined with acepromazine in dogs.

Study design Prospective, randomized experimental trial.

Animals Eight healthy Beagle dogs, aged (mean ± standard deviation) 3.4 ± 0.5 years and weighing 11.0 ± 1.3 kg.

Methods Each dog was treated four times: physiologic saline (1 mL) combined with nalbuphine (0.5 mg kg^{-1}; SAL-NAL) or butorphanol (0.15 mg kg^{-1}; SAL-BUT), and acepromazine (0.05 mg kg^{-1}) combined with nalbuphine (0.5 mg kg^{-1}; ACP-NAL) or

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