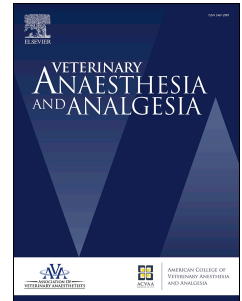


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Comparison of fentanyl and hydromorphone constant rate infusions for pain management in dogs in an intensive care unit

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RESEARCH PAPER

Running head (Authors): *P Biello et al.*

Running head (short title): Hydromorphone and fentanyl infusions in dogs

Comparison of fentanyl and hydromorphone constant rate infusions for pain management in dogs in an intensive care unit

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Abstract

Objective To compare the efficacy and quality of analgesia provided by constant rate infusions (CRI) of hydromorphone and fentanyl in dogs in the intensive care unit (ICU).

Study design Prospective, randomized, blinded, clinical trial.

Animals A total of 29 client-owned dogs.

Methods Dogs prescribed a μ opioid agonist infusion for postsurgical or medical pain were randomized to be administered either hydromorphone (0.025 or 0.05 mg kg⁻¹ bolus, followed by a 0.03 mg kg⁻¹ hour⁻¹ infusion) or fentanyl (2.5 or 5 μ g kg⁻¹ bolus, followed by a 3 μ g kg⁻¹ hour⁻¹ infusion). The technical staff and clinicians were blinded as to which drug was

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