

Author's Accepted Manuscript

IMMERSION ANESTHESIA WITH ALFAXALONE IN A GOLDFISH (CARASSIUS AURATUS AURATUS)

Rocio Fernández-Parra, Thomas M. Donnelly, Charly Pignon, Adeline Noirault, Luca Zilberstein



PII: S1557-5063(17)30209-4
DOI: <http://dx.doi.org/10.1053/j.jepm.2017.08.003>
Reference: JEPM745

To appear in: *Journal of Exotic Pet Medicine*

Cite this article as: Rocio Fernández-Parra, Thomas M. Donnelly, Charly Pignon, Adeline Noirault and Luca Zilberstein, IMMERSION ANESTHESIA WITH ALFAXALONE IN A GOLDFISH (CARASSIUS AURATUS AURATUS), *Journal of Exotic Pet Medicine*, <http://dx.doi.org/10.1053/j.jepm.2017.08.003>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

CASE REPORT**Immersion Anesthesia with Alfaxalone in a Goldfish (*Carassius auratus auratus*)**

Rocio Fernández-Parra, DVM, PhD

Thomas M Donnelly, DVM, Dip. ACLAM, Dip. ABVP (Exotic Companion Mammal)

Dip. ECZM (Small Mammal)

Charly Pignon, DVM, Dip. ECZM (Small Mammal)

Adeline Noirault, DVM

Luca Zilberstein, DVM, PhD, Dip. ECVA

From the Department of Anesthesia and Critical Care (Fernández-Parra, Zilberstein), and Exotic Animals (Donnelly, Pignon, Noirault), Alfort Veterinary Hospital Center, French National Veterinary School at Alfort, Maisons-Alfort, France.

Address correspondence to Thomas M Donnelly, DVM Dip. ACLAM, Dip. ABVP (Exotic Companion Mammal), Dip. ECZM (Small Mammal), CHUVA, École Nationale Vétérinaire d'Alfort, 7 Avenue du Général de Gaulle, 94704 Maisons-Alfort Cedex, France.

Email address: thomas.donnelly@vet-alfort.fr

Current address for Adeline Noirault, Amneville Zoo, 57360 Amneville, France

Abstract

An alfaxalone anesthesia protocol was used to perform a coeliotomy in a goldfish patient diagnosed with multiple ovarian cysts. A 7-year-old, 460g, female goldfish presented for severe coelomic distension and anorexia. Full-body radiographic images were unremarkable, but coelomic ultrasound revealed multiple ovarian cysts. Ultrasound guided aspiration of a large cyst was performed and cytology revealed lysed leukocytes that contained numerous intracellular bacilli suggestive of septic suppurative inflammation. An exploratory coeliotomy was performed and 90 mL of semi-clear fluid was aspirated from the largest cysts. Three plastic fish tanks were prepared for induction (10 mg/L of alfaxalone), maintenance (5 mg/L alfaxalone) and recovery (no anesthetic agent). Water in the fish tanks was saturated with oxygen. The goldfish was immersed in the induction tank and once the labyrinthine-righting reflex was lost (5 minutes), the fish was placed in the maintenance tank. The goldfish was then placed on a platform and supported in a supine position on wet Perlon wool. The head of the goldfish was submerged in water while the coelomic area of the surgical field was maintained out of water. During surgery, the respiratory rate (32-53 opercular movements per minute) and heart rate (35-45 bpm) was monitored. Butorphanol (0.4 mg/kg IM) was

Download English Version:

<https://daneshyari.com/en/article/5535780>

Download Persian Version:

<https://daneshyari.com/article/5535780>

[Daneshyari.com](https://daneshyari.com)