Vets for Pets

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Operation Control
(Fluid Rate Calculations)

Compiled by:

Mudher Al-rahmani

Practice Manager |

Vets for Pets Glenfield | 5/95 Harrow Rd. Glenfield 2167 NSW

Tel: 02 9618 1162 | 0450 050 574

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1. Purpose

This document is produced to identify the calculations of Fluid Rates for Hospitalised patients.

1.1. Scope

This document is applicable to all departments of Vets for Pets.

1.2. General Requirements

1. All concerned personnel are responsible to ensure that work is carried out in compliance with this procedure.
2. Practice manager shall ensure that development, review, and improvement of this procedure is conducted at least once every year.
3. Development, review, and improvement of this procedure must be done in consultation with management team and vets.
4. This procedure to be documented and recorded as per the hospital document control procedure.

2. Procedure

2.1 For Fluid Pump

Body Weight X Rate/hr = Value Put Into Machine

Eg. 11kg dog at 10mL/kg/hr = 11x10=110mL/hr

2.2 Fluid Boluses Every 10 Minutes:

Bodyweight X Rate/hr Divided By 6

Eg. 11kg dog at 10mL/kg/hr = 10x10 divided by 6=18.3mL every 10 minutes

Eg. 2kg cat at 6mL/kg/hr = 2x6 divided by 6= 2mL every 10 minutes

2.3 Free Dripping Fluid Via 20 Drops/Ml Giving Set:

Bodyweight X Rate/hr X 20 Divided By 3600 = Drops Per Second

Eg. 11kg dog at 10mL/kg/hr = 11x10x20 divided by 3600=0.6 drops/sec

Easier to do as whole drops so becomes 3 drops every 5 seconds.

Name:

Signature: