

FLUID THERAPY – SMALL MAMMALS

Fluid Therapy Plan:

- Divide deficit over 1-2 days if >3% dehydrated
 - 0.9% fluid tonicity preferred for all
- Lactated Ringer's preferentially but avoid if severe liver disease or alkalosis
 - 0.9% NaCl where severe liver disease or alkalosis suspected/diagnosed

Emergency Fluids for severe hypotension in mammals (systolic BP <90mmHg)

1. Give slow (over 10 minutes) 3mL/kg IV/intraoss. bolus of hypertonic (7.5%) NaCl
Recheck blood pressure (BP) after 5 minutes.

If <90mmHg
give 3mL/kg slow IV/intraoss.
bolus Hetastarch over 10 minutes
then recheck after 5 mins

If ≥ 90mmHg
at any time in the process stop and
replace overall fluid deficits with
0.9% crystalloids

If still <90mmHg:

give slow 3mL/kg IV/intraoss. bolus of hypertonic (7.5%) NaCl then recheck BP after 5 mins.
Repeat the process for 3 doses of hypertonic saline and Hetastarch until systolic BP ≥90mmHg