

Figures:

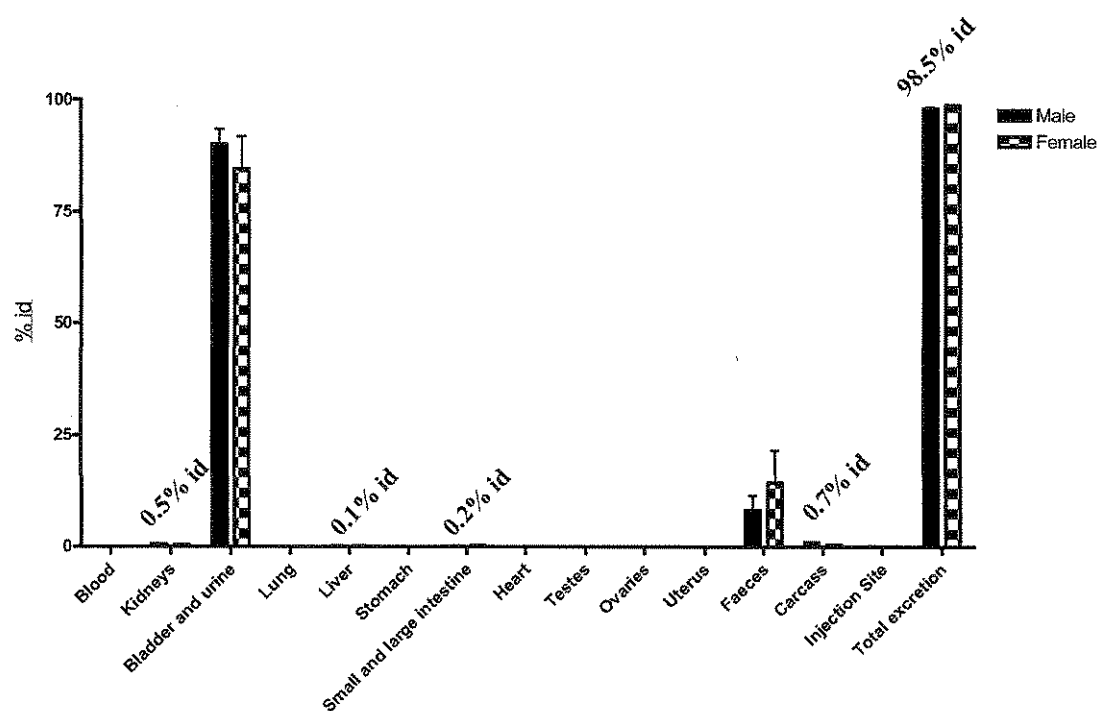


Figure 1. Comparison of the distribution of radioactivity in male and female Wistar rats at 48 hours post-administration of [¹²³I] labeled Compound I. Total excretion = sum of radioactivity in the bladder and urine plus faeces.

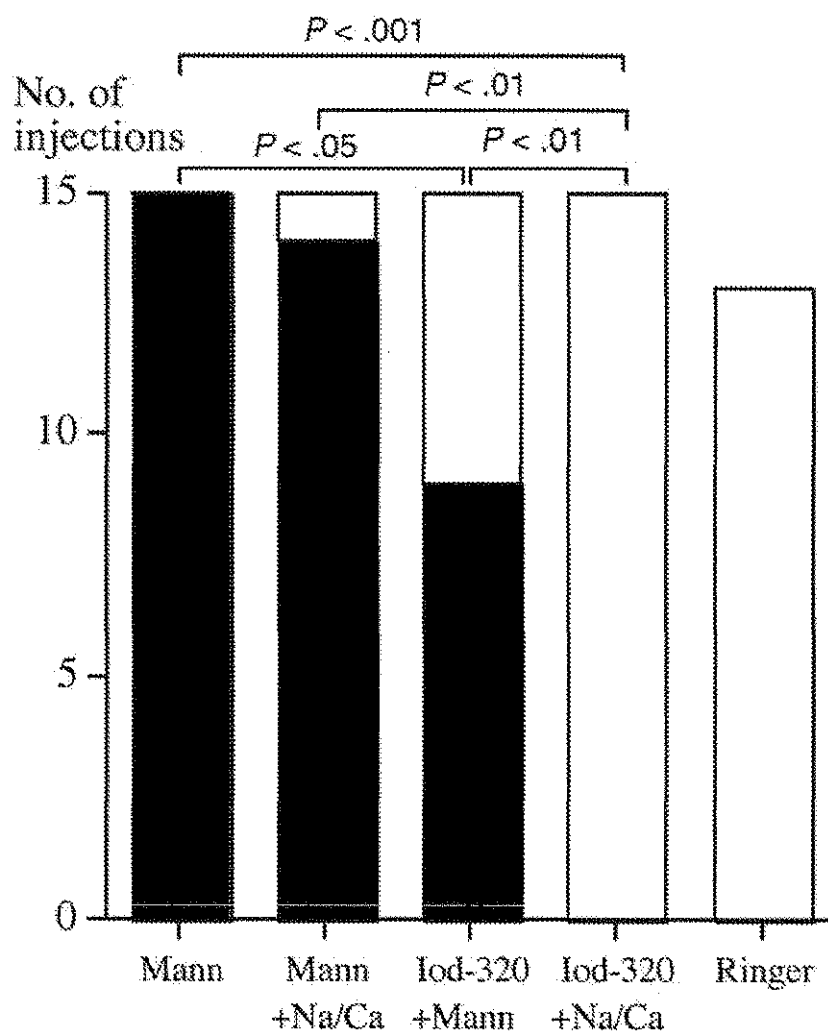


Figure 2. Frequency of ventricular fibrillation caused by injection of Mannitol (Mann; 275 mM), Mannitol + added sodium and calcium (Mann+Na/Ca; 240 mM mannitol, 19 mM NaCl and 0.3 mM CaCl_2), Iodixanol + Mannitol (Iod-320 + Mann; 320 mgI/ml Iodixanol and 50 mM Mannitol), VisipaqueTM (Iod-320; 320 mgI/ml Iodixanol, 19 mM NaCl and 0.3 mM CaCl_2) and Ringer solution (Ringer, Ringer acetate, KabiVitrum AB, Sweden). Black filling denotes VF, white filling denotes no VF. Data is taken from Chai et al.

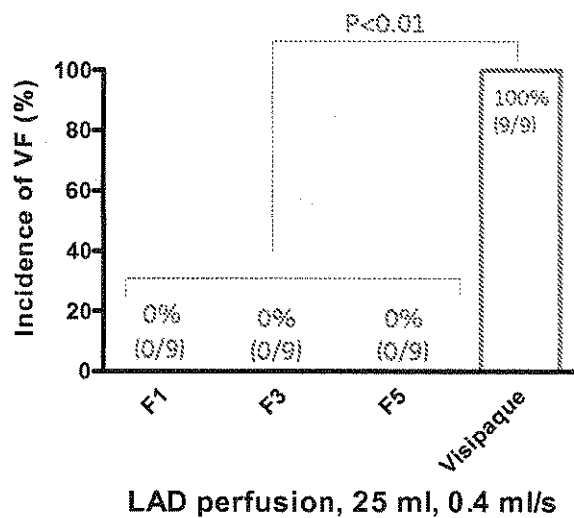


Figure 3. Frequency of ventricular fibrillation caused by injection of:
 Compound I, 0.1 mM CaCl_2 (F1, 320 mgI/ml Compound I, 45 mM NaCl and 0.1 mM CaCl_2);
 Compound I, 0.3 mM CaCl_2 (F3, 320 mgI/ml Compound I, 45 mM NaCl and 0.3 mM CaCl_2);
 Compound I, 0.7 mM CaCl_2 (F5, 320 mgI/ml Compound I, 45 mM NaCl and 0.7 mM CaCl_2),
 Visipaque

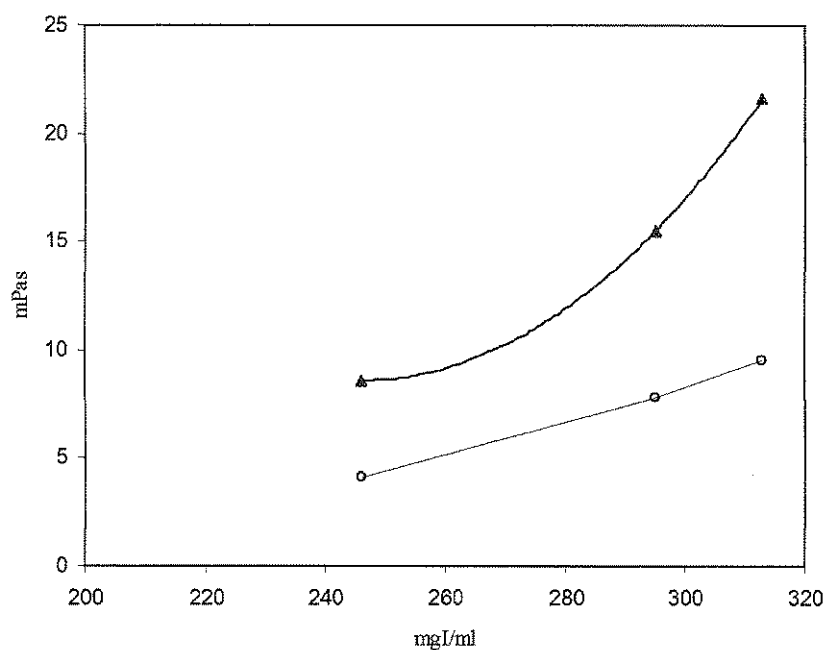


Figure 4. The viscosity of Compound I at 20°C (▲) and 37 °C (○) vs concentration.

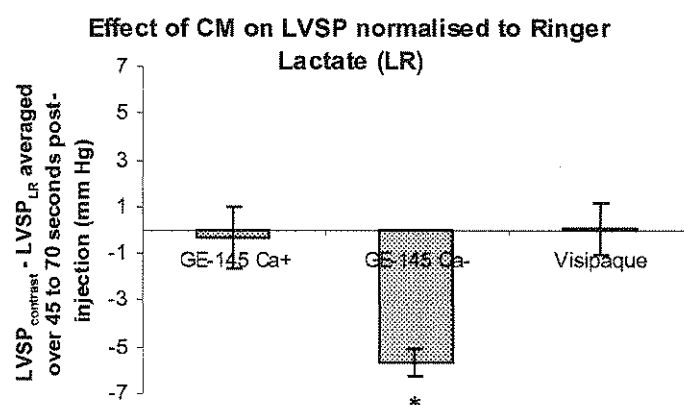
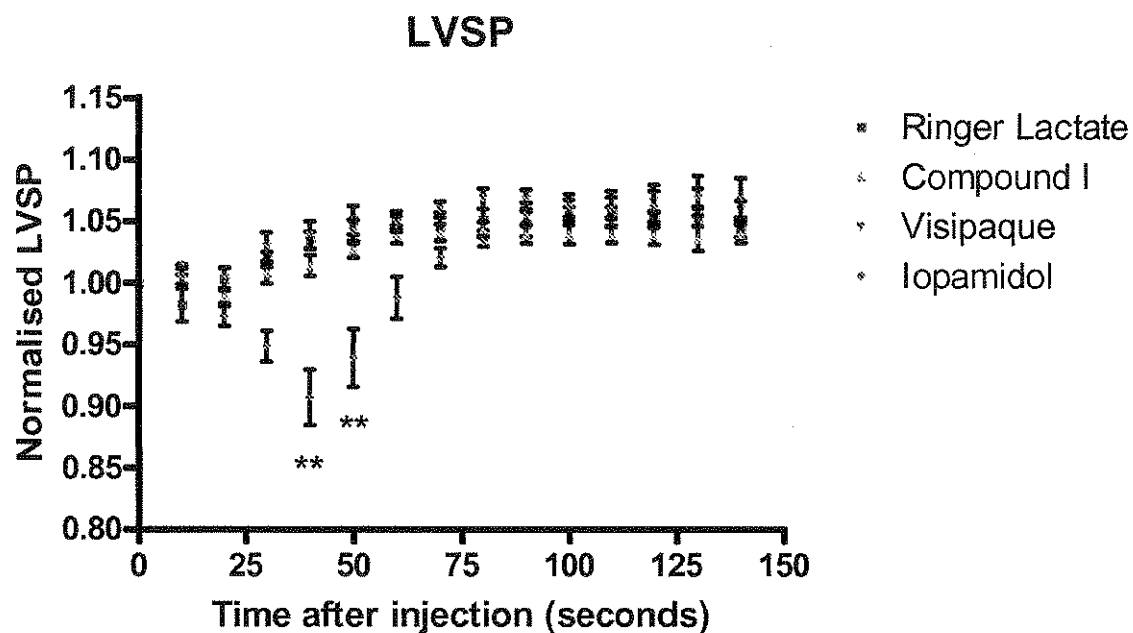


Figure 5. Effect of Compound I (with and without added Ca) and Visipaque on LVSP 45 to 70 seconds from the start of injection to the LAD of normal pigs normalised to Ringer Lactate (LR) injection. Injection volume was 25ml (0.4 ml/sec). "GE-145 Ca+" is a composition of Compound I containing 45 mM Na, 0.5 mM Ca, and "GE-145 Ca-" is a composition of Compound I containing 45 mM Na, and no added Ca.. Mean $\pm$ SEM. * = $p < 0.05$ significant difference to GE-145 Ca+ using two-tailed Dunnett's test.

a)



b)

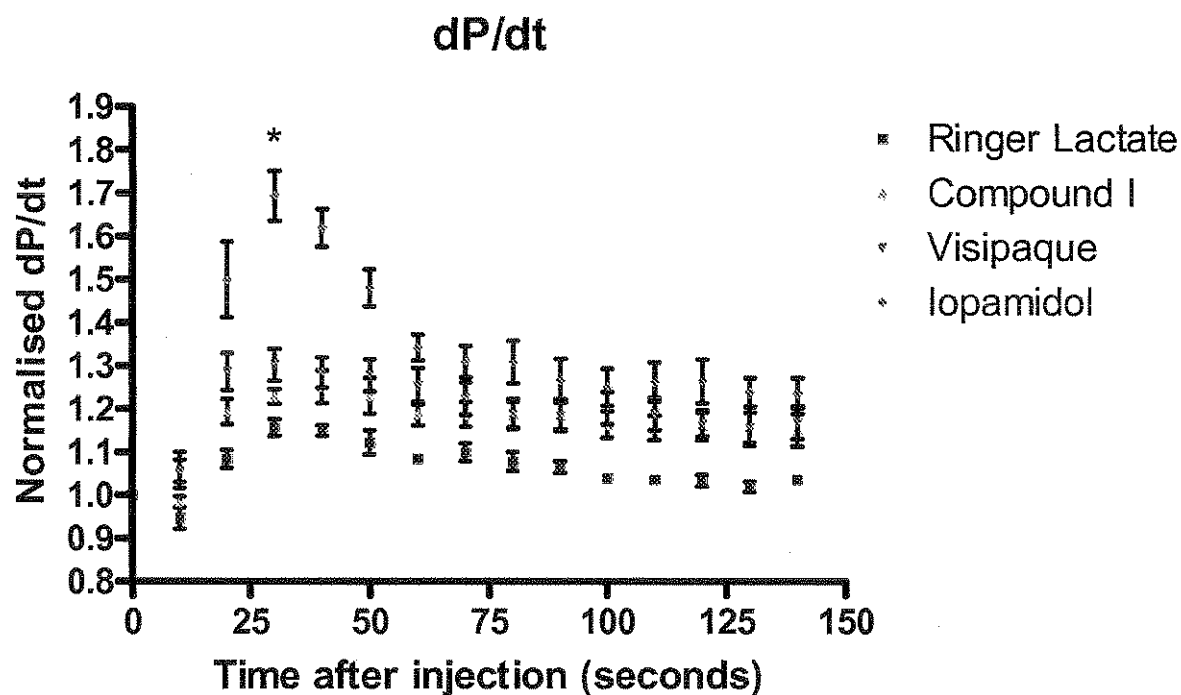


Figure 6. Effect on cardiovascular parameters following injection of 40 ml (5ml/sec) of Ringer Lactate, Compound I, Visipaque or Iopamidol to the LAD of normal pigs. a) Change in LVSP normalised to baseline. b) Change in dP/dt normalised to baseline. Mean $\pm$ SD. * = significant difference to Ringer Lactate, * $p < 0.05$, ** $p < 0.01$ using 2-way ANOVA with Bonferroni post-test.