Practical Pharmacology

injection issues

- needles
- bottles
- syringes

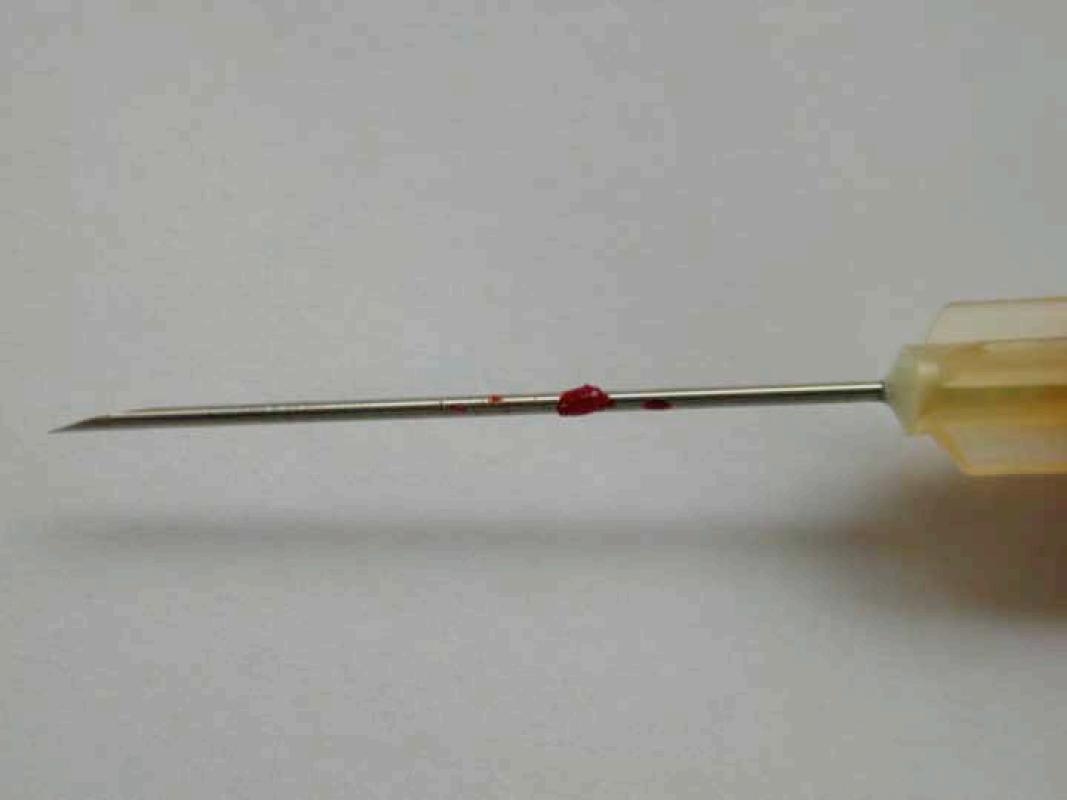












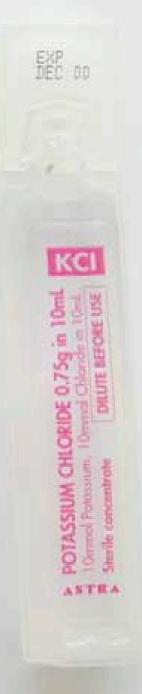
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10 mL 10 mL 10220208

multiuse vial





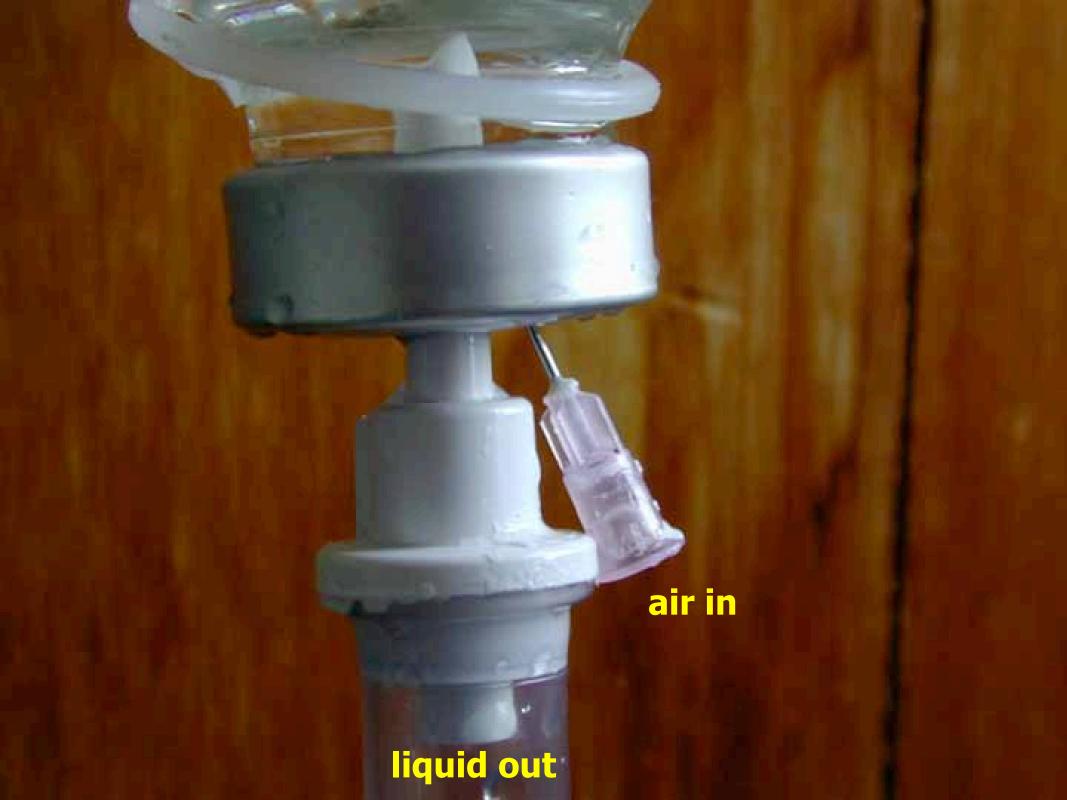


air injection?

- air injection
 - contents under pressure
 - contents can spray out
 - air is not sterile
- · no air injection
 - difficult to get contents out

















diluting injections

- for very small animals
- · for aqueous solutions
 - water for injections
 - normal saline
- · for non-aqueous solutions
 - must know physical chemistry
 - eg, ivermectin propylene glycol

anaesthetic bottles

modern vaporisers have keyed fillers















injection technique

- site?
- swab the injection site?
- · use a catheter?

oral drugs

- tablets
- capsules
- liquids









oral solutions

for small animals

- dilute as necessary
- only as much as necessary



