

## OBSERVATIONS ON THE USE OF PLANIPART IN DEER FOR UTERINE RELAXATION TO FACILITATE EMBRYO RECOVERY

A comparison of uterine tone was made during embryo recovery experiments with red deer.

In the first experiment we noticed that during surgery the uterine tracts were turgid and difficult to manipulate. In the second experiment we injected clenbuterol intravenously during the animal preparation stage which was 5-10 minutes before ET was carried out. Within 2-3 minutes of injection the tracts relaxed noticeably and embryo recovery was greatly facilitated when carried out 5-10 minutes after injection. However, one animal was inadvertently missed and the surgeon noticed the significant lack of relaxation.

Points to note:

These were all mixed aged red hinds weighing around 90-110kg liveweight. They were fasted overnight and anaesthetised with Rompun/fentaz. The animals were laid on their backs in laparoscopy cradles and their bellies were clipped and prepped.

Two mls of clenbuterol was injected intravenously a few minutes before surgery commenced. The animals were tipped up so the head and body were down at a 30 degree angle. A midline incision 10cm long was made just anterior to the udder. The reproductive tract was exteriorised and eggs were flushed out. The incision was closed and the anaesthetic was reversed with yohimbine and narcan.

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