

# A REVIEW OF ANAESTHETIC DRUGS USED FOR PREMEDICATION, SEDATION, INDUCTION AND MAINTENANCE IN CAMELS (*Camelus dromedarius*) IN FIELD SITUATIONS

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## ABSTRACT

The objectives of this article were to review all scientific data regarding anaesthetic drugs and anaesthetic protocols used for pre-medication, sedation, induction and maintenance of anaesthesia in camels (*Camelus dromedarius*) in the field. Eighteen recent articles were included in the review with the most common drugs used for premedication/ sedation in camels were xylazine, romifidine, detomidine, medetomidine, tramadol and butorphanol. For induction and maintenance of anaesthesia, the following drugs were used most commonly: propofol, ketamine, xylazine-ketamine, ketamine-romifidine-diazepam, medetomidine-ketamine, propofol-xylazine, propofol-xylazine-diazepam, tramadol-xylazine, medetomidine-ketamine, medetomidine-ketamine-butorphanol and midazolam-propofol. The drugs used to reverse the effects of  $\alpha$ -2 agonists were atipamezole and natrelexone. The effective doses and reported side effects were discussed.

**Keywords:** Dromedary camels, field anaesthesia, induction, sedation