

A PROGESTOGEN (CHLORMADINONE ACETATE = CAP) FOR CYCLE CONTROL AND INFERTILITY TREATMENT IN THE MARE

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Over the last six years, CAP has been used for infertility treatments and cycle control in mares in Austria. In all indications, the following treatment scheme was employed : 50 mg CAP suspension i. m. on Day 1, followed by 10 mg CAP pellets p. o. animal/day for 10 days, from Day 2 through Day 11.

1. *Functional anestrus*, with no recognizable ovarian functions during the season ; mares barren for 1 to 4 years. Treatment during the second half of the season ; over the last four years, approximately 40 mares were treated annually.

More than 80 p. 100 of all mares showed heat within 7 to 9 days after medication, and ovulated ; 45 p. 100 conceptions resulted from service at the first heat.

2. *Endometritis*, at the conclusion of an antibacterial systemic and local treatment schedule, CAP was used routinely since 6 years to bring conception rates, known to be low after antibiotics alone (although biopsies and local inspection confirmed clinical cure), back to normal levels.

3. *Cycle synchronization*, during the spring season 1974, 150 drought horses type mares (Prinzgauer) were treated regardless of their reproductive status. The goal was to get as many animals pregnant as possible at a given time with a minimum of pre-selection. 85 to 90 p. 100 of all treated animals came in heat 7 to 9 days later, and 75 p. 100 conceived at the first heat.

This confirms unpublished data by Meckenstock (1973) who used the same scheme in 30 cycling mares ; he observed heat in all animals 9 to 10 days after the treatment was terminated ; 29 were bred, of which 21 (72.4 p. 100) conceived at the first heat. Eventually, 24 of those 29 bred (82.7 p. 100) became pregnant.

RÉSUMÉ

CONTRÔLE DU CYCLE ET TRAITEMENT DE LA STÉRILITÉ
CHEZ LA JUMENT AVEC UN PROGESTOGÈNE
(ACÉTATE DE CHLORMADINONE = CAP)

- Chez la Jument, le traitement 50 mg de CAP i. m., puis 10 mg/jour pendant 10 jours, permet :
- de provoquer les chaleurs chez plus de 80 p. 100 des animaux et 45 p. 100 de conception au premier œstrus chez les juments en anoestrus ;
 - de ramener la fertilité à un taux normal chez les juments qui ont subi un traitement antibiotique pour endométrite ;
 - de synchroniser les chaleurs sur 2 jours chez les juments cycliques avec 75 p. 100 de gestation au premier œstrus.
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