

STUDIES ON CANINE BRUCELLOSIS AT THE MILITARY DOG  
CENTER IN PAK CHONG

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OBJECTIVE : Canine brucellosis is caused by *Brucella canis* which has been found to be the cause of many abortions and drops in conception rates in canine colonies in the United States. Over the past few years the Military Dog Center at Pak Chong has been having many reproductive problems in their breeding colony which are suggestive of brucellosis.

The objectives of this study are as follows :

1. To determine if canine brucellosis is present in the colony.
2. To do semen evaluation on the male breeders to determine testicular damage from the brucella organism.
3. To evaluate various therapeutic regimens to decrease the loss of reproductive performance due to the organism.

PROGRESS : One hundred and seventy eight canines have been bled at Pak Chong. Of these, thirty animals were from the breeding colony. The serum from the breeding animals showed that *Brucella canis* is present in the breeding colony. The breeding males will be evaluated this fall to determine the degree of semen abnormalities and testicular damage. Various antibiotic regimens are being discussed and the final choices will depend on cost and availability.

FUTURE OBJECTIVES : Since canine brucellosis is almost impossible to eliminate from breeding colonies, the study will be shifted to determining if antibiotic therapy will be effective in reducing losses in production to an acceptable level.