The Neurologic Examination Of Beagle Dogs In Toxicity Tests

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identify the advantages and limitations of the validated functional observations battery (FOB) for neurological exams of dogs and its use in toxicity studies. The dog does not appear to be as sensitive an indicator as Beagles, which are generally in the age range of 6 – 9 months at study start.

On November 3, 1957, a Soviet dog, Laika, became the first of many animals to participate in space missions. Animal testing, also known as animal experimentation, animal research, and in vivo testing, is a common practice, particularly with beagles, because they are gentle and used in toxicology tests, studies of AIDS and hepatitis, studies of neurology.

The Neurologic Examination of Beagle Dogs in Toxicity Tests provided insights into the effects of thalidomide. Fifty-six adult beagle dogs (28 male, 28 female) were orally administered thalidomide. Some patients taking thalidomide have experienced peripheral neurological effects. Regulations require chronic toxicity testing in nonrodent species. Special tests for neurologic examination are necessary for regulatory approval.

Many neurological effects resemble those of common quinoline CNS toxidrome. Testing of fatal human cases of plasmocid intoxication, early neurological symptoms, and fasciculus gracilis (Tateishi et al., 1972a) in beagle dogs; the optic tract...