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## Articles

# A two-dimensional analysis of limb symmetry in the trot of Labrador retrievers

RL Gillette and CJ Zebas

Sixteen sound Labrador retriever and Labrador retriever cross-breed adult dogs were evaluated for symmetry while in a trot gait using a two-dimensional motion analysis system. Reflective markers were placed at selected joint centers. Each dog had the right side and then the left side videotaped while in the trot gait. The markers on the videotape were then digitized for analysis. There was no significant difference ( $p$  less than 0.05) between the movements of the two sides. It was concluded that the trot gait is symmetrical and that a two-dimensional system can be used to analyze gait in the dog.

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