

Computer analysis of motility of small intestine in the dog Análisis por computador de la motilidad del intestino delgado en el perro.

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Prolonged recordings at different levels of the small intestine have become necessary in motility studies. This has increased the number of motor events that are registered. The direct measurement of the numerous contractions is time-consuming, monotonous and rutinary. The use of computer analysis of this activity has been small. It is our objective to report our experience with this technique. Simultaneous recordings of small intestine motility were obtained on a polygraph and in a computer with an analogue digital converse system. The following parameters were compared: frequency, amplitude, motility index, and area under the curve. Excellent correlation of results obtained by both methods was observed. Computer analysis reduced the relation recording time/analysis time from 1/1.2 to 1/0.08. In our experience, the study of intestinal motility with analogue digital technique is very efficient and exact.