

实验方法

200只比格犬心电图分析

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摘要 目的 对不同年龄的比格(Beagle)犬, 进行了6个导联的心电图描记和分析, 建立了心电图基本数据。方法 200条6~36月龄Beagle犬, 在清醒情况下记录I、II、III、aVR、aVL和aAF 6个导联的心电图。结果 200只Beagle犬均为窦性心律。不同性别和年龄的犬心率不同, 雌性犬略快, 随年龄增加, 心率变缓。Beagle犬心电图各波形与人相似, P-R间期为0.09~0.12 s, QRS波群为0.04~0.06 s, Q-T间期为0.17~0.21 s。随着年龄增大, P-R间期和Q-T间期延长, QRS波群年龄性别差异不显著。S-T段一般与QRS末端合并, 大多数位于等电位线, S-T段上移的占12%, 一般为上抬或斜升型下降, 但一般不超过1 mm。Beagle犬存在着窦性心律不齐, 比例为15%。**结论** 建立了心电图基本数据, 可供实验时参考。

关键词 [犬, Beagle](#) [心电图描记术](#)

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Analysis of electrocardiogram in 200 beagle dogs

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Abstract

AIM In order to establish the electrocardiogram(ECG) database in beagle dog. **METHODS** ECG were examined in 200 dogs between 6 to 36 months old. Electrocardiogram of six leads including I, II, III, aVR, aVL and aAF was recorded in a conscious state. **RESULTS** All dogs had a sinus rhythm. The heart rate was related to sex and age, slower in female and faster in younger. The shape of dog ECG was similar to that of human, P-R interval was 0.09—0.12 s, QRS complex 0.04—0.06 s and Q-T interval was 0.12—0.21 s. P-R and Q-T intervals were lengthened with age, but QRS showed no correlation with ages and sex. ST segment was blended with the terminal of QRS complex, and mostly located at the iso-electric level, but 12% of ST segment shifted straightly upward or slanted down, not exceeding 1 mm. Sinus arrhythmia appeared in 15% of beagle dogs. **CONCLUSION** The basic date of ECG of beagle dogs are provided to be a reference in related experiments.

Key words [Dogs](#) [beagle](#) [electrocardiography](#)

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