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## ECG Quiz

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## ECG Quiz

Chollada Buranakarl<sup>1</sup> Kris Angkanaporn<sup>1</sup> Monkon Trisiroj<sup>2</sup>



This lead II ECG strip was recorded from a 17 years old, female, mixed breed dog that was referred to the Chulalongkorn University Small Animal Hospital for

health checking. All hematological and serum chemistry profiles were within normal limits.

Please answer before turning to the next page.

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## Interpretation

Sinus rhythm with Mobitz type I (Wenckebach) second degree atrioventricular block.

The heart rate was approximately 70 beats per minute. The PR interval is prolonged with each successive cycle until P wave fails to be conducted to the ventricles (solid arrows). The P-R interval following the non-conducted P wave is the shortest and follows the original

values (not more than 0.16 seconds). The sequence of block is repeated. This type of block is considered benign and usually related to high vagal tone. Thus, it can respond to atropine therapy. Please notice the repolarization of atrium (Ta wave) found easily in Mobitz type I (Wenckebach) second degree AV block at the non-conduct P wave (open arrows).

