

# Beat-to-beat variability of repolarisation and drug-induced torsades de pointes in the canine heart

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## **Beat-To-Beat Variability of Repolarisation and Drug-Induced Torsades de Pointes in the Canine Heart.**

1. As a minimum, new potential drugs should be tested for cardiac repolarisation-prolonging effects and for proarrhythmic potentials in animals before patients are exposed. *This thesis*
2. Increased beat-to-beat variability of repolarisation heralds drug-induced torsades de pointes in anaesthetised dogs with chronic atrioventricular block. *This thesis*
3. Redundancy in repolarising currents gives the healthy heart a large repolarisation reserve. Interventions that reduce the repolarisation reserve make the heart less able to withstand proarrhythmic challenges. *This thesis*
4. The administration rate of proarrhythmic drugs is an important factor for the induction of torsades de pointes. *This thesis*
5. Strengthening repolarisation reserve controls beat-to-beat variability of repolarisation, which is antiarrhythmic in the anaesthetised dog with chronic atrioventricular block. *This thesis*
6. All substances are poisons: there is none which is not a poison. The right dose differentiates a poison and a remedy. *Paracelsus (1493-1541)*
7. The scientist is not a person who gives the right answers, he is one who asks the right questions. *Claude Lévi-Strauss (1908-)*
8. There are no such things as right and wrong. Only consequences.
9. The coronal member asking questions solely based on the propositions did not bother to prepare properly for the thesis defence.