

Central adrenergic mechanisms in the induction of cardiac arrhythmias by aconitine nitrate administered intraventricularly

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Abstract:

Aconitine, 10 mug, administered intraventricularly in cats produced cardiac arrhythmias. Intraventricular administration of phenoxybenzamine, propranolol and practolol abolishes the centrally induced cardiac arrhythmias. Intraventricular reserpization also abolished these cardiac arrhythmias whereas intraventricular administration of 6-hydroxydopamine and tetrabenazine had no effect. Brain stem noradrenaline probably plays a role in these centrally induced cardiac arrhythmias by aconitine