

## Adrenoceptors in Dopaminergic Regulation of Rat Myocardial Contractility in Rats During Ontogeny

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### Abstract

© 2017 Springer Science+Business Media New York The effects of different dopamine concentrations on contractility of myocardium with blocked  $\alpha$ - or  $\beta$ -adrenoceptors were examined in vitro in 21- and 100-day old rats. In myocardial strips with blocked  $\alpha$ -adrenoceptors, dopamine ( $10^{-5}$  M) increased the right atrial contractile force. By contrast, this neurotransmitter ( $10^{-9}$ – $10^{-5}$  M) reduced the contractile force of atrial and ventricular strips with blocked  $\beta$ -adrenoceptors.

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