

Bulletin of Experimental Biology and Medicine 2002 vol.133 N6, pages 532-534

Age-related peculiarities of the effect of α -adrenoceptor blockade on cardiac function in rats

Ziyatdinova N., Zefirov A., Zefirov T.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Blockade of α 1-adrenoreceptors with prazosin produces bradycardia. The degree of this bradycardia in rats depends on age. In adult (20-week-old) rats bradycardia is pronounced, in 3-week-old rats it is insignificant, and in 1-week-old rats bradycardia does not develop. Prazosin moderates bradycardia induced by vagal stimulation in rats of different age.

<http://dx.doi.org/10.1023/A:1020257103336>

Keywords

α 1-Adrenoreceptors, Heart, Nervous regulation, Rat, Vagus