Peculiarities of regulation of heart rate and stroke volume in rats during ontogeny

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Abstract

Changes in heart rate and stroke volume after successive blockade of cardiac adrenoand cholinoceptors were examined on rats of different age. It was established that irrespective of animal age the heart rate remained unchanged under conditions of total adreno-and cholinergic blockade of the heart. Stroke volume under conditions of total adreno-and cholinergic blockade increased with age. © Springer Science+Business Media, Inc. 2006.

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Keywords

Adrenoreceptors, Cardiac pumping function, Cholinoceptors, Heart rate, Stroke volume