

Asymmetrical effects of vagus nerves on functional parameters of rat heart in postnatal ontogeny

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Abstract

Significant age-related peculiarities in the dynamics of stroke volume and parameters of variational pulsogram are revealed in bilaterally vagotomized in rats. Asymmetry in vagal influences on cardiac function appear during puberty. Right-sided vagotomy predominantly affects variability of the cardiac rhythm, while left-sided vagotomy mostly affects the force of heart contractions.

Keywords

Heart rhythm variability, Ontogeny, Rat, Stroke volume, Vagus nerve