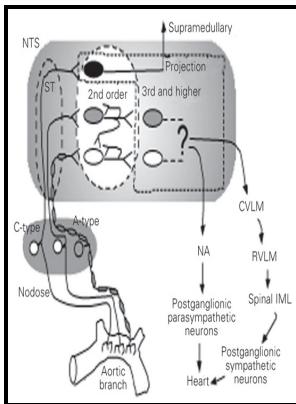


Role of the nucleus tractus solitarius in the central control of blood pressure.

- - Nucleus ambiguus



Description: -

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Theses role of the nucleus tractus solitarius in the central control of blood pressure.

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Neural set point for the control of arterial pressure: role of the nucleus tractus solitarius

These mutual effects lead to a rise in the heart rate. Since a major focus of the work will be the central control of blood pressure in the NTS, changes in the sensitivity to agonists active in cardiovascular regulation as identified above will be sought in one form of spontaneous hypertension, the spontaneously hypertensive rat.

Opioids and central baroreflex control: A site of action in the nucleus tractus solitarius

Methods: In vivo microdialysis was used for measurement of extracellular GABA levels and for perfusion of the selective AT2R agonist, Compound 21, within the NTS. If the mean pressure is changed over time to a new value, the baroreceptors will start using that MAP as the baseline. Such resetting of the threshold to a stable value upon elevating or reducing carotid sinus pressure was accomplished within 15-20 min.

Blood Pressure Control By Baroreceptors

The most influential variable in determining the systemic vascular resistance is the radius of the blood vessels themselves.

Blood Pressure Control By Baroreceptors

The nucleus solitarius sends its afferents to the central pattern generator-formerly known as the vomiting center. The importance of its role is revealed by the catastrophe in its absence.

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