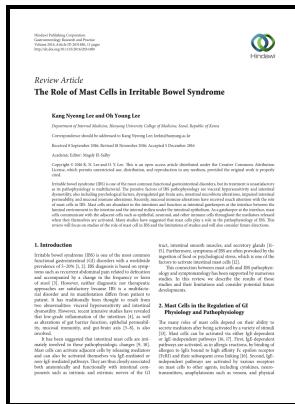


Vagal reflex involvement and central nervous regulation in histamine and anaphylatoxin induced responses in guinea pigs.

The author - Cardiovascular reflex responses induced by epicardial chemoreceptor stimulation



Description:-

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Regulation of baseline cholinergic tone in guinea

At these doses, the bronchoconstriction responses were rapid and spontaneously resolved in less than 1 min. While other studies have reported the presence of baseline cholinergic nerve activity in the lung, the results of the present study provide the first direct measurements of the magnitude of this tone, relative to both the maximum attainable contraction mediated by the vagus nerves and the maximum attainable contraction of the smooth muscle. Osmolarities of extracellular and pipette solutions were adjusted using D-mannitol Sigma to 310 and 290, respectively.

The Central Inflammatory Reflex: Afferent Vagal and Central Brain Stimulations Control Experimental Arthritis

Primary sensory neurons of itch and cough. These findings also warrant further investigation of whether anti-IL-5 eosinophil-specific reduction therapy is effective in non-asthmatic eosinophilic bronchitis.

Cough hypersensitivity as a neuro

In preliminary tests, we observed that low-voltageVNS was more effective if it preceded the histamine challenge than if administered simultaneously; therefore, we used a 20-sec pretreatment in our mechanistic investigations.

CHARACTERIZATION OF SUBSTANCE P-INDUCED BRONCHOCONSTRICTION IN THE GUINEA-PIG: A COMPARISON WITH ACETYLCHOLINE, Clinical and Experimental Pharmacology and Physiology

Effects of local application of nicotine to a neurally intact preparation of an anesthetized dog. Receptors in the trachea and bronchi of the cat. The integrative circuits in the brainstem behave as if they are hardwired for reciprocal control with a complex interplay of inhibitory and excitatory synaptic mechanisms.

Cholinergic component of histamine

The physical act of scratching dislodges the irritant, such as an insect or poisonous plant, from the skin.

The role of nerves in asthma

Exonuclease E-NPP1 expression is decreased in blood leukocytes from patients with severe acute bronchial asthma episodes, and P2X 7 and P2Y 4 receptors mediate increased production of endogenous ATP, exacerbating asthma. Afferent neurones with sensory neurites in the heart are located in nodose and dorsal root ganglia and they influence, via central interconnecting neurones, the parasympathetic and sympathetic cardiac efferent preganglionic neurones which synapse with cardiac efferent postganglionic neurones. An equal number of control animals received vehicle injections ethyl alcohol in equal volumes at the same intervals.

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