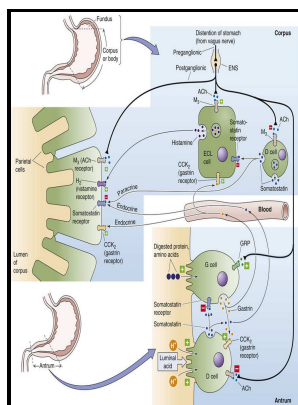


Gastric acid secretion - substrate-dependency and intracellular mechanisms of action of secretagogues and inhibitors.

Aston University. Department of Molecular Sciences - Update on the Mechanisms of Gastric Acid Secretion



Description: -

-Gastric acid secretion - substrate-dependency and intracellular mechanisms of action of secretagogues and inhibitors.

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Notes: Thesis (PhD) - Aston University, 1987.

This edition was published in 1987



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Tags: #Induction #of #Secretagogue #Independent #Gastric #Acid #Secretion #via #a #Novel #Aspirin

Gastric acid secretion (1987 edition)

In recent years, our understanding of the physiologic processes underlying gastric acid secretion has improved notably. Li ZQ, Mardh S: Interactions between Ca^{2+} - and cAMP-dependent stimulatory pathways in parietal cells.

The Parietal Cell: Mechanism of Acid Secretion

The classical secretagogue carbachol at 200 μM resulted in a comparable rate of pH i recovery 0. Nishizawa T, Nagao T, Iwatsubo T, et al.

Parietal Cell

After that, the esophagus was exposed by carefully retracting the liver toward the right. Mechanism of action of aspirin-like drugs. Effect of L-glutamic acid on acid secretion and immunohistochemical localization of glutamatergic neurons in the rat stomach.

The Parietal Cell: Mechanism of Acid Secretion

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Peripheral N

In addition, the NMDARs in parietal cells are involved in gastric acid inhibition via influencing H2-histamine receptors. Park J, Chiba T, Yamada T: Mechanisms for direct inhibition of canine gastric parietal cells by somatostatin. NMDAR channels are blocked by external magnesium Mg^{2+} ;

Ach, acting through m1AChRs and nAChRs, causes membrane depolarization that is sufficiently high for Mg²⁺ displacement from NMDAR channels.

Parietal Cell

George Sachs, in , 2004 Physiology The parietal cell generates acid secretion across the mucosal surface. This result suggests an insufficient membrane depolarization for NMDAR activation when exciting only nAChRs in the ganglia.

The Parietal Cell: Mechanism of Acid Secretion

Effect of daily aspirin on long-term risk of death due to cancer: analysis of individual patient data from randomised trials.

Gastric acid secretion (1987 edition)

The following injection sequence was carried out: i carbachol after control basal GAS measurements, ii inhibitor 40 min later, and iii NMDA 10 min after the inhibitor injection.

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