



VAGUS NERVE (CN-X) ANATOMY

How The Vagus Nerve Affects Organ Systems

Heart

Decreases heart rate, vascular tone.

Liver

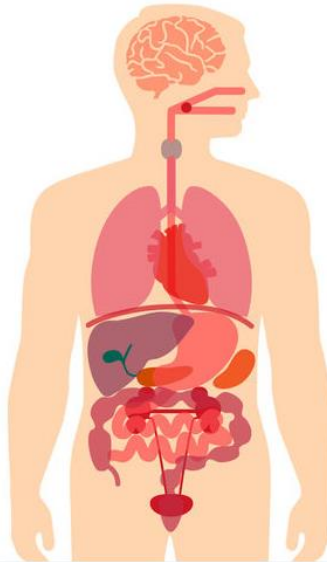
Regulates insulin secretion and glucos homeostasis in the liver.

Gut

Increases gastric juices, gut motility, stomach acidity.

Inflammation

Suppresses inflammation via the cholinergic anti-inflammatory pathway



Brain

Helps keep anxiety and depression at bay. Opposes the sympathetic response to stress.

Mouth

Taste information is sent via three cranial nerves, one of which is the vagus nerve. The vagus nerve is needed for the gag reflex, swallowing, and coughing.

Blood Vessels

Decreases vascular tone, lowering blood pressure.

