

Nervous Regulation of HR

The cardiac centers (CIC & CAC) controlling the heart rate are influenced by impulses from other nerve centers in the brain and by afferent impulses from the body.

A- Impulses from higher centers:

1- The cerebral cortex:

It is the highest center affecting HR directly or indirectly through the hypothalamus (as in emotions) in the following conditions:

a- Conditioned reflex:

B- Afferent impulses affecting the medullary cardiac centers: