**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:***