

STUDY ON MEDIAN NEUROSECRETORY PATH WAY AND NERVI CORPORIS CARDIACI INTERNI IN NEUROENDOCRINE SYSTEM OF COPULATING FEMALE SPILOSTETHUS PANDURUS (SCOPALI)

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Abstract

Two groups of 4-6 cells are observed on the dorsal side of pars intercerebralis medialis part of protocerebrum. These cells are designated as median neurosecretory cells (MNSC). The axons of median neurosecretory cells of locus 1 form the median neurosecretory pathway and nervi corporis cardiaci interni (NCCI). The NCCI of two sides decussate each other in the anterior dorsal median part of the protocerebrum, comes out from the brain and enter the aorta wall. The median neurosecretory pathways can be differentiated into two parts viz. the very short prechiasmatic and the long postchiasmatic portions in copulating female *Spilostethus pandurus*, a heteropteran insect of economic importance.

key words

Axons, Pathway, NCC-1. INTRODUCTIO

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