Aims and Objectives
AIMS AND OBJECTIVES

Hypothalamo-hypophyseal-adrenal-gonadal axis has been studied by various means and ways with several perspectives. Quite voluminous literature is available in precise segments of this vast subject. Yet a fresh attempt to explore the effect of stress on the histoarchitectural details of adrenal cortical zones, and the testicular morphology is expected to unfold further knowledge and better understanding of these two organs.

The present study was conducted with the following objectives:

(i) to study the gross changes and histoarchitecture of adrenal gland and testis of rats growing from birth (D0) to hundred days (D100) postnatal. Because this is the period in life of a rat when all important postnatal developmental and functional changes takes place under normal conditions

(ii) to study the magnitude of stress a male rat can sustain before it succumb to the stressful assault specially during the period when successive vital changes are taking place in the life of the animal.
(iii) Whether any acclimatisation to stress takes place during the prolonged (chronic) period of stress by MD from D5 to D20 and FS from D21 to D70.

(iv) Whether any persisting damage or distortion due to stress takes place in rat adrenal and testis.

(v) Whether withdrawal of stress restores the normal features in gross and microscopic anatomy of adrenal cortex and testis of the young albino rats.