**Summary**

The aim of this study is designated to determine the general morphology and the histological features of the adrenal glands in the local Guinea fowl. This would hopefully contribute to the understanding of the features of the adrenal gland in birds.

The study was achieved on six adult birds of Guinea fowl divided into two groups. Anatomically, adrenal gland was small, paired organ lying in the celomic cavity positioned on two sides of the median line against the cranial poles, cranio-medially, of both kidneys just caudal to the lungs right gland was elongated while the left was triangular, their color vary between yellowish to reddish-yellow.

Histologically the gland was surrounded by connective tissue capsule send thin trabeculae penetrate the parenchyma of the gland. The interstitial tissue was rich in blood vessels, and sinusoids. The parenchyma in adult birds showed cortical tissues intermingled with medullary cells. The cortical tissue was divided into two zones; (peripheral zone) or called (sub capsular zone SCZ) and (inner zone) or called (central zone CZ) , SCZ were situated immediately below the capsule and arranged in the form of arch-like cords while the CZ showed straight and curved cords with columnar cells , both of the two zones intermingled with the basophilic medullary cells which called chromaffin.