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Anatomical and histological study of the kidneys in golden eagles, racing pigeon and common bulbul

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Abstract--The present study was carried on Thirty apparently healthy birds (ten Golden Eagles, ten Racing pigeon and ten Common Bulbul),a tool for determining the anatomy significant variations in the kidneys' histology Histological research (5-7) μ m. paraffin section stained with Hematoxylin and Eosin stain were prepared .In both birds, the kidneys were, dorso-ventrally flattened, extended from the caudal end of the lungs to the synsacrum bone's end, as well as the kidneys' dorsal half were sink deep in the synsacrum fosse and divided into three incomplete parts. In adult racing pigeon, the kidney was red to red brown in color flattened retroperitoneal fragile organs embedded in ventral surface of synsacrum bone. It has three lobes (cranial, middle and caudal), the caudal lobe was the largest and wider than the other two lobes. In golden eagles, had paired kidneys. Each kidney was flattened and extra-peritoneal organs. Also each kidney in Common Bulbul consists of three lobes were cranial, middle and caudal. The cranial lobe was longer and broader than the other two lobes, whereas the caudal lobe was similar in shape but smaller in size than the middle lobe. Histologically, in each species (Golden Eagles, Racing pigeon and Common Bulbul), Each kidney consisted of many renal tissue masses (lobules) there are no demarcation between