

# Pdf free The anatomy and physiology of the avian endocrine system Full PDF

a detailed understanding of the anatomy and physiology of the avian endocrine system enables clinicians to make better clinical judgments and improve diagnostic methods resulting in better treatment of endocrine diseases the avian endocrine system consists of a series of glands that produce and secrete substances known as hormones these steroids or proteins travel through the bloodstream and act as chemical messengers that regulate behaviors and the functioning of various organs in the body the avian endocrine system is comparable to that of mammals and consists of eight glands the pituitary hypothalamus complex the gonads pancreatic islets adrenal glands thyroid glands parathyroid glands ultimobranchial glands and the endocrine cells of the gut fig 1 the avian endocrine system includes the hypothalamus pituitary gland thyroid gland ultimobranchial glands adrenal glands endocrine cells in the digestive system endocrine cells in the pancreas the testes of males and the ovaries of females in this chapter i discuss the respective functions of hormones produced by these glands and cells avian endocrinology is a field of veterinary medicine that is unfamiliar to many practitioners however it is important to have a comprehensive understanding when evaluating companion birds in clinical practice avian endocrinology is a field of veterinary medicine that is unfamiliar to many practitioners however it is important to have a comprehensive understanding when evaluating companion birds in clinical practice avian endocrinology is a field of veterinary medicine that is unfamiliar to many practitioners however it is

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