Melatonin And The Mammalian Pineal Gland

Adrenocorticotropic hormone (ACTH; also adrenocorticotropicin, corticotropin) is a polypeptide tropic hormone produced by and secreted by the anterior pituitary gland. It is also used as a medication and diagnostic agent. ACTH is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress (along with its precursor corticotropin).

pineal gland | Definition, Location, Function, & Disorders

Though it is not obvious to us, even at relatively low levels, the light we are exposed to in the evening can have a powerful effect on the circadian clock.
suppress the release of the sleep-promoting hormone melatonin [6, 7], and reduce the amount and depth of our sleep [8, 9].

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The oestrous cycle is the reproductive cycle found in most mammalian placental females whereby there are recurring periods when the female is fertile and sexually receptive (oestrus) interrupted by periods in which the female is not fertile and sexually receptive (anoestrus). Animals that have oestrous cycles reabsorb the endometrium (inner membrane of the mammalian uterus) if conception does not occur.

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"In humans we don't know for sure what the causal connection is," Wehr says, "but if most other mammals are using changes in day length, then the melatonin signal and conception rates is a pretty

**Bing: Melatonin And The Mammalian Pineal**

Secretes melatonin that controls the sleep-wake cycle. 2. Controls and integrates the autonomic nervous system; regulates hormones, emotional behavior, temperature, eating, and drinking behavior.
Endocrine System Questions and Answers | Study.com

Pineal gland, endocrine gland found in vertebrates that is the source of melatonin, a hormone derived from tryptophan that plays a central role in the regulation of circadian rhythm (the roughly 24-hour cycle of biological activities associated with natural periods of light and darkness).

The Oestrous Cycle | VetSci

Gonadotropins are glycoprotein hormones secreted by gonadotropic cells of the anterior pituitary of vertebrates. This family includes the mammalian hormones follicle-stimulating hormone (FSH) and luteinizing hormone (LH), the placental/chorionic gonadotropins, human chorionic gonadotropin (hCG) and equine chorionic gonadotropin (eCG), as well as at least two forms of fish gonadotropins.

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