



Introduction about Endocrine System and its Parts

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INTRODUCTION

Endocrine machine is made of numerous organs known as glands. These glands, positioned throughout your frame, create and secrete (launch) hormones. Hormones are chemical substances that coordinate one-of-a-kind capabilities on your frame with the aid of using wearing messages via your blood for your organs, skin, muscular tissues and different tissues. These alerts inform your frame what to do and while to do it. Endocrine machine constantly video display units the quantity of hormones on your blood. Hormones supply their messages with the aid of using locking into the cells they goal that will relay the message.

DESCRIPTION

The pituitary gland senses while your hormone degrees rise, and tells different glands to forestall generating and liberating hormones. When hormone degrees dip under a positive point, the pituitary gland can train different glands to provide and launch more. This system, known as homeostasis, works in addition to the thermostat on your house. Hormones have an effect on almost each system on your frame, including: Metabolism (the manner you destroy down meals and get electricity from nutrients), Growth and development, Emotions and mood, Fertility and sexual function, Sleep, Blood pressure.

The foremost glands that produce hormones include:

Hypothalamus: This gland is positioned to your mind and controls your endocrine machine. It makes use of statistics out of your worried machine to decide whilst to inform different glands, consisting of the pituitary gland, to supply hormones. The hypothalamus controls many strategies to your frame, consisting of your temper, starvation and thirst, sleep styles and sexual function.

Pituitary: This little gland is handiest approximately the scale of a pea, however it has a large job. It makes hormones that

manage numerous different glands together with the thyroid gland, adrenal glands, ovaries and testicles. The pituitary gland is in rate of many extraordinary functions, consisting of how your frame grows. It's positioned at the bottom of your mind.

Thyroid: Your thyroid is a butterfly-fashioned gland with inside the front of your neck. It's chargeable for your metabolism (how your frame makes use of energy).

Parathyroid: These 4 tiny glands aren't anyt any large than a grain of rice. They manipulate the extent of calcium for your frame. For your heart, kidneys, bones and frightened gadget to work, you want the proper quantity of calcium.

Adrenal: You have adrenal glands, one on pinnacle of every kidney. They manipulate your metabolism, blood pressure, sexual improvement and reaction to stress.

Pineal: This gland manages your sleep cycle through freeing melatonin, a hormone that reasons you to experience sleepy.

Pancreas: Your pancreas is a part of your endocrine gadget, and it performs a considerable position for your digestive gadget too. It makes a hormone referred to as insulin that controls the extent of sugar for your blood.

Ovaries: In women, the ovaries launch intercourse hormones referred to as estrogen, progesterone and testosterone. Women have ovaries of their decrease abdomen, one on both side.

Testes: In men, the testes (testicles) make sperm and launch the hormone testosterone. This hormone influences sperm production, muscle energy and intercourse drives.

CONCLUSION

Sometimes glands produce an excessive amount of or now no longer sufficient of a hormone. This imbalance can purpose fitness problems, together with weight gain, excessive blood strain and adjustments in sleep, temper and behaviour. Many matters can have an effect on how your frame creates and re-

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leases hormones. Illness, strain and positive medicinal drugs can purpose a hormone imbalance. The endocrine machine is made of organs known as glands. Glands produce and launch extraordinary hormones that focus on particular matters with inside the frame. You have glands throughout your frame, con-

sisting of to your neck, mind and reproductive organs. Some glands are tiny, approximately the scale of a grain of rice or a pea. The biggest gland is the pancreas, which is ready 6 inches long.