

Pituitary Gland Overview
Pituitary Gland

Also known as the "hypophysis"
Located on the underside of the brain in a depression at the base of the skull
About the size of a pea or 1 centimeter in diameter
Connected to the brain by a slender stalk-like projection referred to as the "infundibulum
Known as the "master gland"

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## **Pituitary Gland Hormones**

- Hormones produced by the pituitary gland
  - Prolactin

Component 3/Unit 7-7b

Component 3/Unit 7-7b

- Growth Hormone (GW)
- Adrenocorticotropin (ACTH)
- Thyroid-stimulating hormone (TSH)
- Antiduretic hormone (ADH)
- Luteinizing hormone (LH)
- Follicle-stimulating hormone (FSH)

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- · Growth Disorders
  - Growth Hormone (GH) in the pituitary gland stimulates the growth of bone and other tissues.
  - Too little GH results in dwarfism
    - A person of short stature, under 4'10", as an adult - Achondroplasia causes about 70% of all dwarfism
  - Too much GH results in gigantism
    - Children -- bones and body grow too much
    - · Adults -- acromegaly (hands, feet and face are larger than normal)

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## Pituitary Gland Diagnostic Tests

- Diagnostic Tests
  - Adrenocorticohormone Test
  - Aldosterone and Renin Tests
  - Follicle-stimulating Hormone Test
  - Growth Hormone Test
  - Insulin-like Growth Factor-1 Test
  - Lutenizing Hormone Test
  - MRI of the Head

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## Female Reproductive System Disorders/Treatments

- Amenorrhea
- Premature Ovarian Failure (POF)
- Premenstrual Syndrome
- Dysfunctional Uterine Bleeding
- Ectopic pregnancy
- Polycystic Ovary Syndrome
- Uterine fibroids

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	Endocrine System Combining Forms	
Word Part	Meaning	Key Term
adrenal/o	adrenal gland	adrenalectomy
oophor/o	ovary	oophoritis
orchi/o	testis	orchitis
pancreat/o	pancreas	pancreatectomy
pituitar/o	pituitary gland	hypopituitarism
thym/o	thymus gland	thymoma
thyroid/o	thyroid gland	thyroidectomy
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