



# Endocrine system

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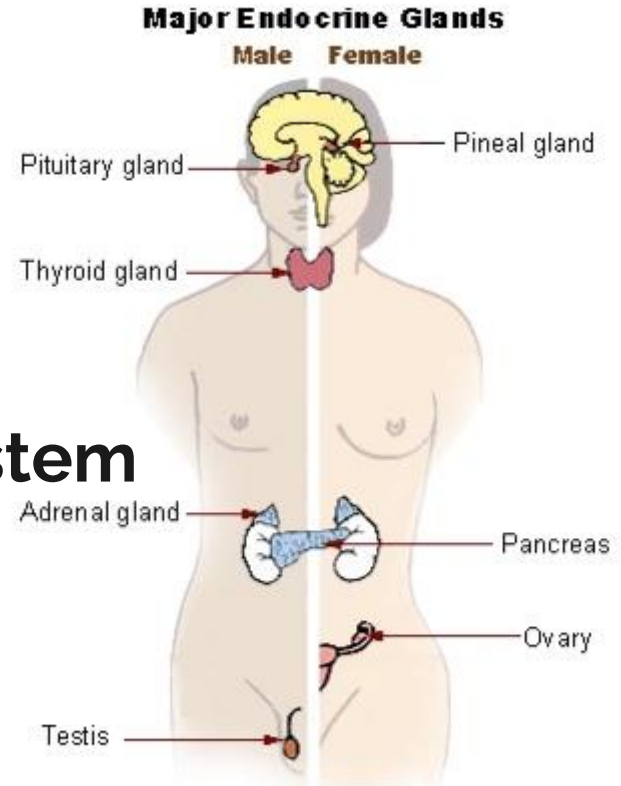
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# What is Endocrine system

The endocrine system is made up of glands that make hormones. Hormones are the body's chemical messengers. They carry information and instructions from one set of cells to another.

## What is involved in Endocrine system

The endocrine system is the collection of glands that produce hormones that regulate metabolism, growth and development, tissue function, sexual function, reproduction, sleep, and mood, among other things.





## How does endocrine system work?

Endocrine glands release hormones into the bloodstream. This lets the hormones travel to cells in other parts of the body. The endocrine hormones help control mood, growth and development, the way our organs work, metabolism, and reproduction.

## What kind of tissue are involve?

The endocrine glands are aggregations of epithelial cells embedded within connective tissue.

## What is Major cavities are involve?

- Pelvic cavity
- Cranial cavity
- Abdominal cavity



# Malfunctioned endocrine system

Malfunctioned endocrine can lead to:

- Stress
- Nausea
- Growth problem (for kids)
- Reproductive system problems
- Diabetes
- Thyroid cancer





# Diabetes

- One of the most widespread life threatening condition.
- Patient often has high blood sugar level, due to insulin secretion problem (does not produce enough insulin.)
- What is Insulin
  - Hormone created by pancreas.
  - Regulate blood sugar level
- Artificial insulin helps diabetes patient regulate their blood sugar level.





# Sources

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