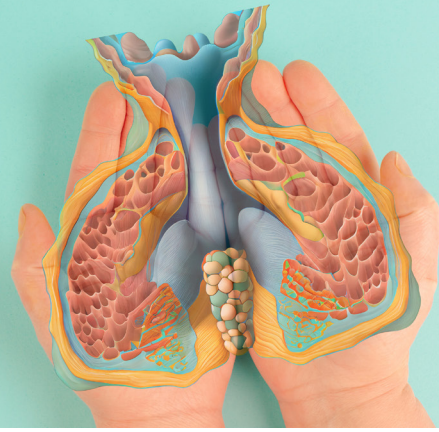


## SCIENTIFIC VIEWPOINT

# Glandular Therapy

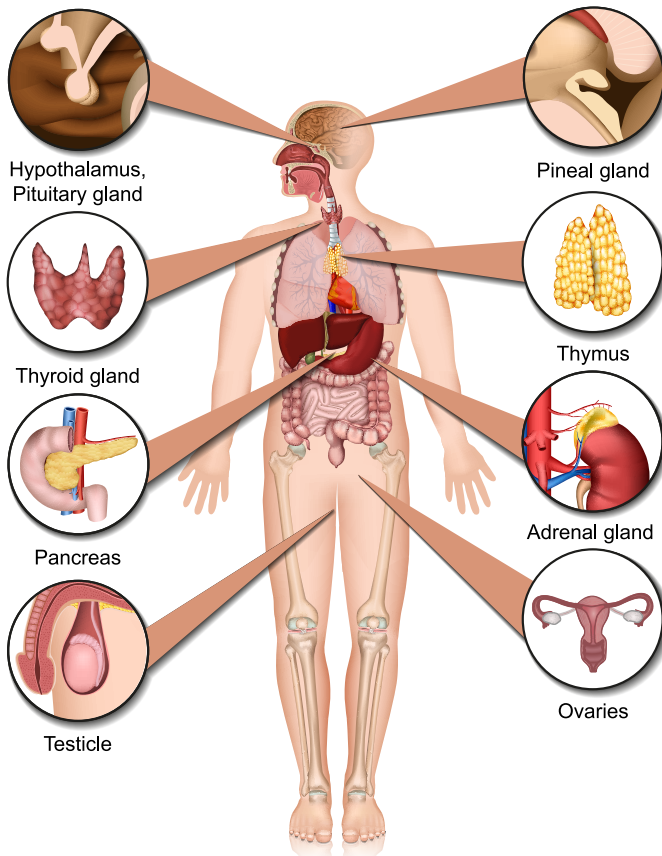


*Glandular therapy is the use of tissue from the glands or organs of an animal to nourish the corresponding human gland. In other words, oral ingestion of glandular material of a certain animal gland will strengthen the corresponding human gland. The result is a broad general effect indicative of improved glandular function as glandular therapy increases the tone, function, and/or activity of the corresponding gland. This principle has been used for centuries and is a mainstay of treatment in Traditional Chinese Medicine as well as Ayurvedic Medicine.*

In glandular therapy, purified extracts from the glands of animals are used to help restore a patient's overall metabolism. Glandulars that are frequently used include adrenal, hypothalamus, pituitary, thyroid, and gonadal as well as organ tissues such as heart, liver, pancreas, and kidney. Glandular and organ extracts that are taken

from animals are known clinically as "protomorphogens." Protomorphogens can be an important component of a complete nutritional program. They provide short-term (immediate) as well as long-term benefits.

Glandular and organ extracts are indicated when a patient's endocrine system is underproducing or under-secreting a specific hormone or when an organ is weakened or diseased. There are three principal nutritional benefits to glandular and organ extracts:



### 1. Active components

It is believed that glands and organs in animals and humans contain similar biochemical substances as their functions are very similar. The effect of using biochemical compounds extracted from animals is often one of "substituting" an exogenous (externally generated) source to make up for the endogenous (internally generated) deficiency.

### 2. Associated nutritional factors

Glandular tissues are rich in nutrients, including vitamins, minerals, amino acids, fatty acids, polypeptides, enzymes, and many other substances. Glandular therapy can supply these essential nutritional needs in a highly efficient manner.

### 3. Adaptogenic effect

For a tissue or a cell to repair or replace itself, it must have the necessary raw materials. Glandular therapy provides the raw materials to the failing organs, glands, and tissues so that they can start the process of regen-

eration. For example, the key organ for metabolism is the thyroid gland. It regulates metabolism by releasing hormones that control energy production in all the body's cells. Administration of thyroid extract helps cells eliminate cellular waste and speeds up their restorative functions.

## What are the special instructions for using glandular products?

Based on our clinical experience, Transformation's glandular products (MasterZyme, Adrenal Complex, and Thyroid Complex) can be used to help fortify deficiencies in the endocrine system. Any long-term use of glandular products should be monitored by testing applicable hormone levels on a regular basis by a health care professional.

## Which products contain glandulars (or animal substances) and therefore are not vegetarian?

- Adrenal Complex
- MasterZyme
- Thyroid Complex

## What animals do the glandulars come from?

Adrenal Complex

- Adrenal substance (bovine from Argentina)

MasterZyme

- Thyroid concentrate (bovine from Argentina)
- Suprarenal cortex concentrate (bovine from Argentina)
- Anterior pituitary concentrate (bovine from Argentina)
- Gonad substances
  - » Ovarian substance (bovine from Argentina)
  - » Orchic substance (bovine from Argentina)
  - » Prostate substance (bovine from Argentina)
- Suprarenal substance (bovine from Argentina)

Thyroid Complex

- Thyroid concentrate (bovine from Argentina)
- Anterior pituitary (bovine from Argentina)
- Hypothalamus (bovine from Argentina)

## Are these ingredients safe for human consumption?

Yes, the glandulars in Transformation's products are from clean, safe, disease-free, FDA-certified, USDA-certified manufacturing facilities, and the manufacturer ensures

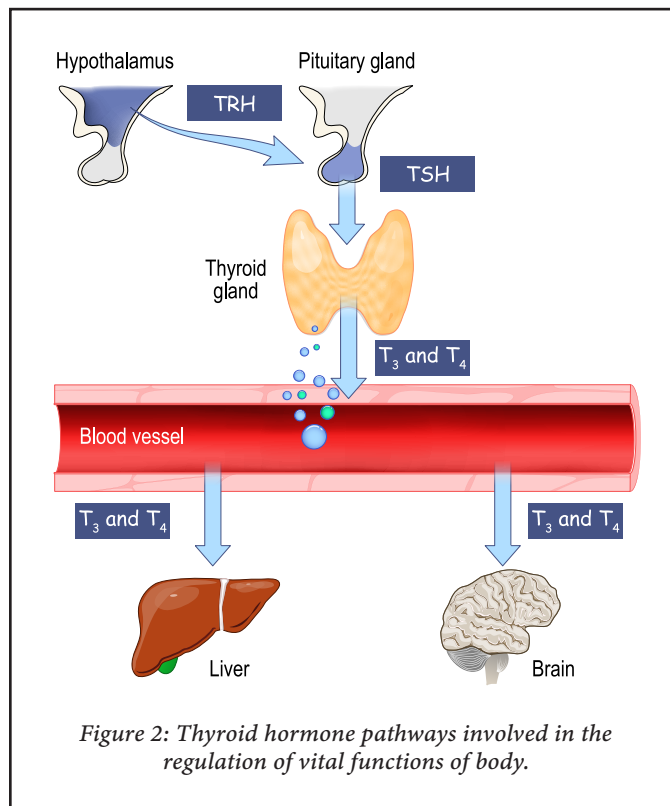


Figure 2: Thyroid hormone pathways involved in the regulation of vital functions of body.

that the ingredients are BSE free and free from harmful chemicals or pesticides.

## How are the glandulars processed?

The glandulars are freeze-dried.

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**\*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.**