

The Greater Thyroid System - Information for Your Doctor

Many patients are being denied adequate relief from the symptoms of hypothyroidism because less than half of the greater thyroid system is being considered by physicians. And even that half is not fully tested if the thyroid-stimulating hormone is normal. This chart illustrates the flow through this system starting at the top of the chart with signals from your brain to the bottom of the chart where the symptoms are sensed. As you can see, there are many functions after the *Customary Practice Laboratory Tests*. There are tests for these many functions, but they are not recognized. There are therapies for these functions, but they are banned by medical practice. Nonetheless, they are available.

Gland / Organ	Input / Media	Output / Media	Function
The Brain		Signals from the brain / nerves	This is the beginning of the greater thyroid system
Hypothalamus	Signals from the brain / nerves	Hormone: TRH	Convert Brain Commands to Hormone Commands
Pituitary	TRH, T ₄ , T ₃ / Blood	TSH / Blood	Regulate the thyroid gland w/ Feedback of T ₄ & T ₃
Thyroid Gland	TSH, Iodine / Blood	T ₄ , some T ₃ , and Potentially Anti-bodies / Blood	Produce all of the requirement by the body for T ₄ (a prohormone) and 20% of the needed active hormone, T ₃
<i>Customary Practice Laboratory Tests</i>	TSH, T₄, and Potentially Anti-bodies / Blood	Values to compare with normal reference ranges	The thyroid gland function test effectively measures only this far through the greater thyroid system.
Peripheral Metabolism	T ₄ , Enzymes / Blood	T ₃ , rT ₃ / Blood	Produce 80% of the requirement by the body for the active hormone T ₃ and Regulate T ₃ by producing rT ₃ if T ₃ levels are excessive
Peripheral Cellular Hormone Reception	T ₃ / Blood	T ₃ / Inner Fluids of Cells	Pass T ₃ through the walls of the cells for use by the cells nuclei
Peripheral Cells	T ₃ , Other Nutrients / Cells Inner Fluids	Waste / Blood	Perform that function of the cells and produce symptoms
Clearance	TRH, TSH, T ₄ , T ₃ , T ₂ , T ₁ , sulphates, Amines of T ₁ -4 glucuronides, waste / Blood	TRH, TSH, T ₄ , T ₃ , T ₂ , T ₁ , sulphates Amines of T ₁ -4, glucuronides, waste / Urine or Feces	Cleanse the body & regulate the circulating hormones
Our View		Body and brain activity, body temperature, etc.	Logically, the proper measurement of the greater thyroid system should be at the outputs.