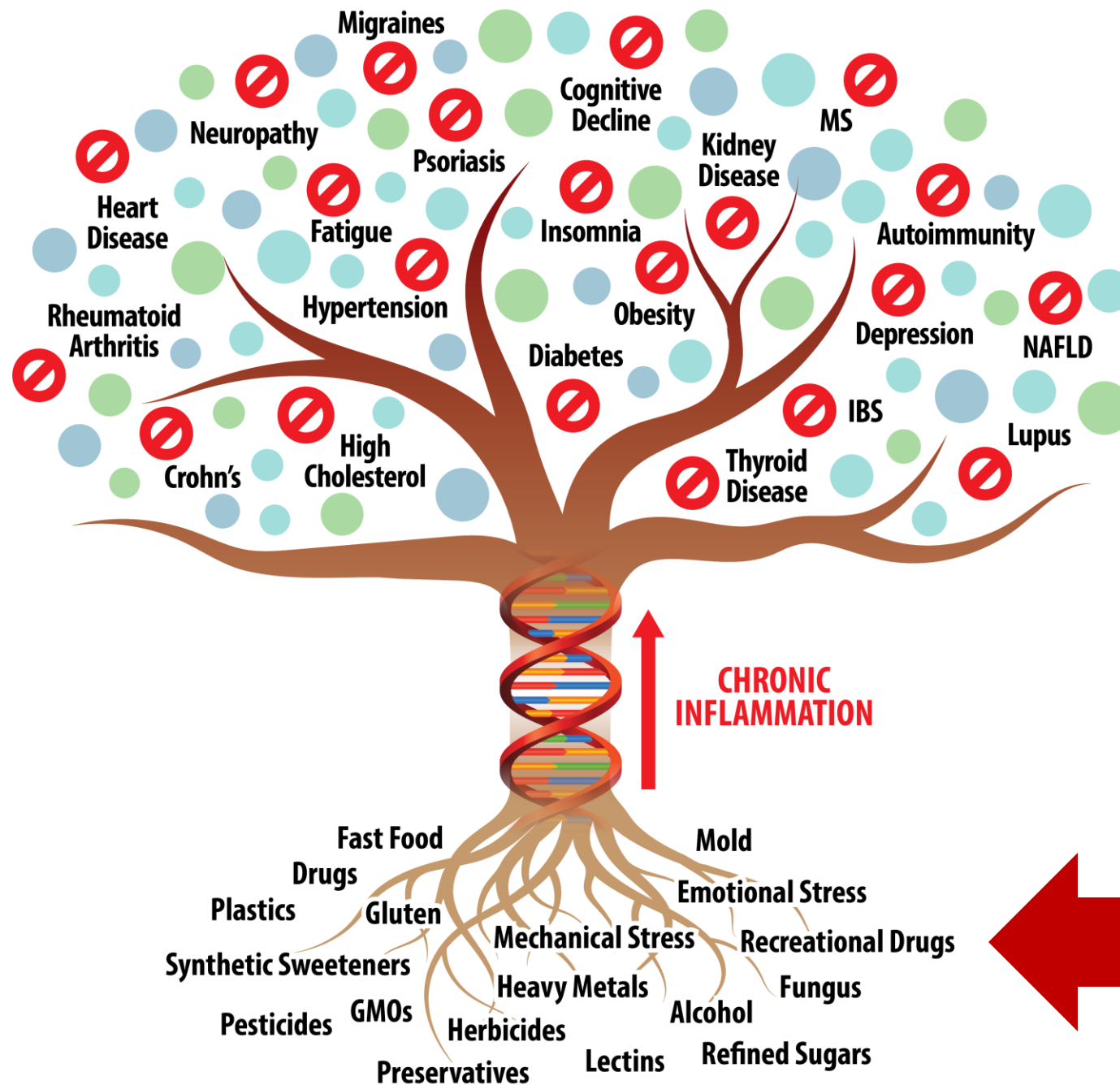


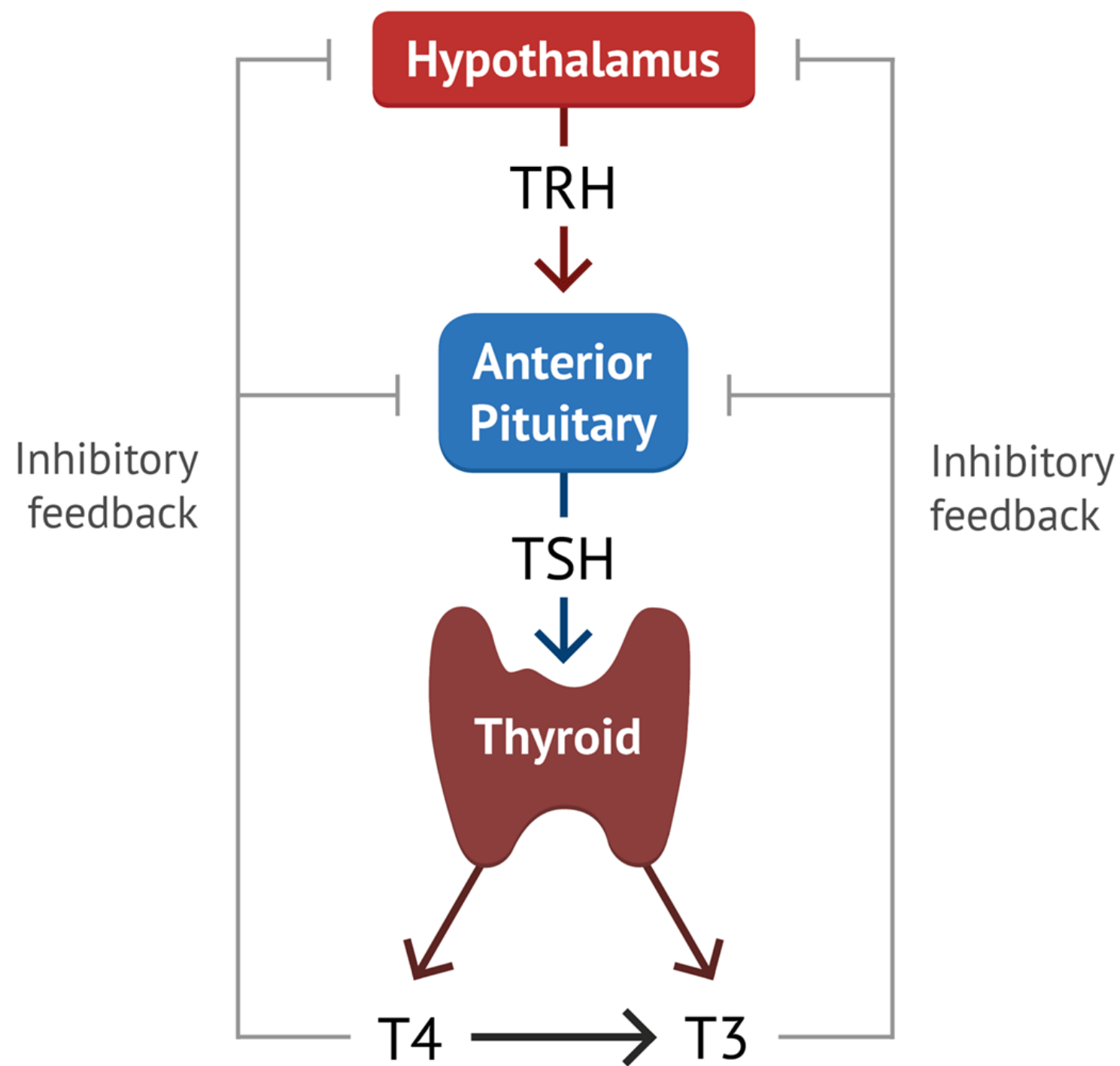
Casual Friday Series

Mechanics of Optimal Thyroid Function

A BIOGENETIX CLINICAL PRESENTATION
biogenetix.com







Functional Lab Ranges

TSH: 1.5-2.0 / 1.8-3.0

T4: 6-12

Free T4: 1.3-1.8

T3 total: 100-180

Free T3: 3.2-4.2

T3 Uptake: 32-38 / 28-34

Reverse T3: 9-35

TBG: Path Lab Range

TPO Ab: 0

Thyroglobulin Ab: 0

* Updates are made as new and additional information becomes available.

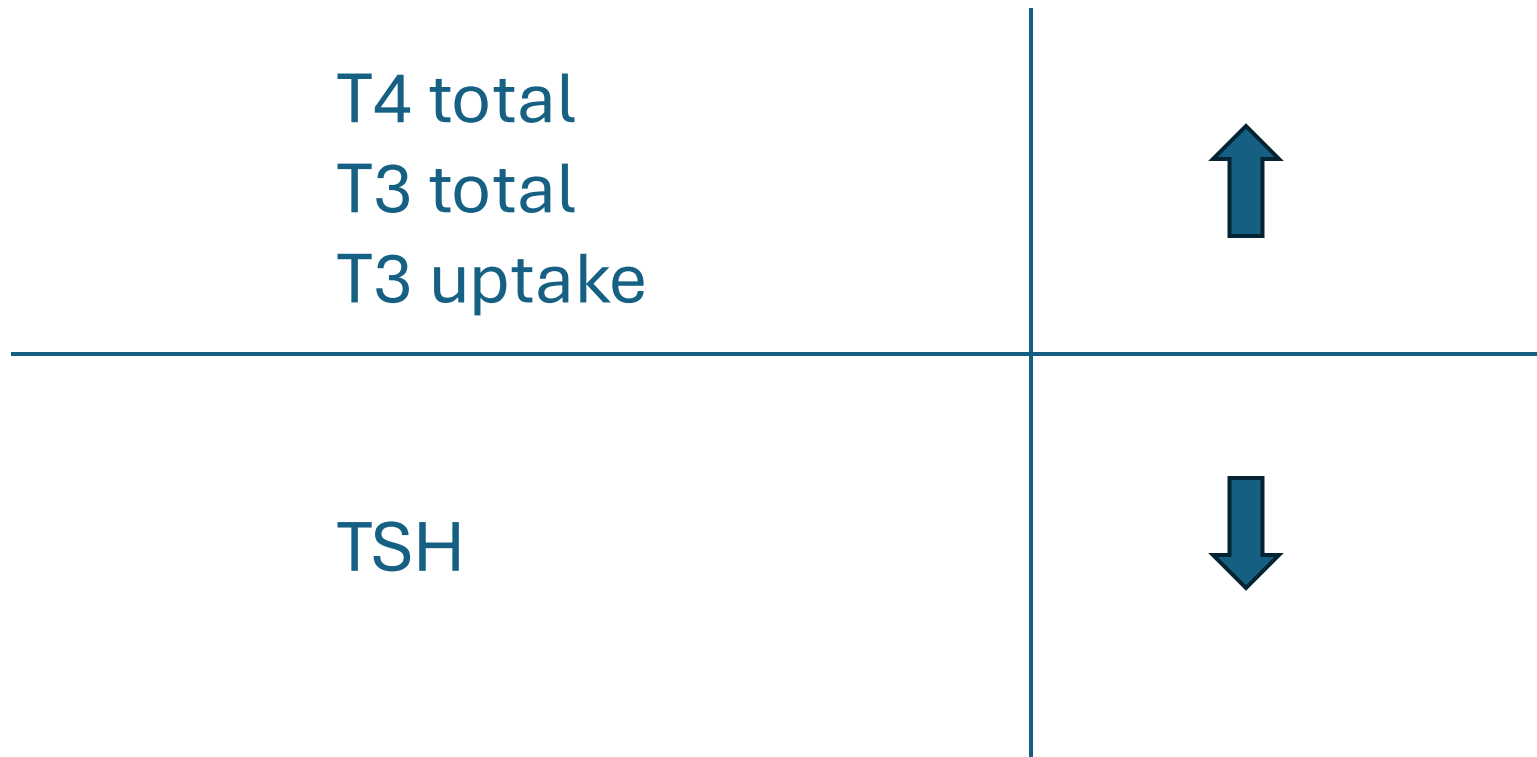
Thyroid Patterns

Primary Hypothyroidism:

TSH	↑
T4 total	↓
Free T4	
T3 total	
T3 Uptake	
Free T3	

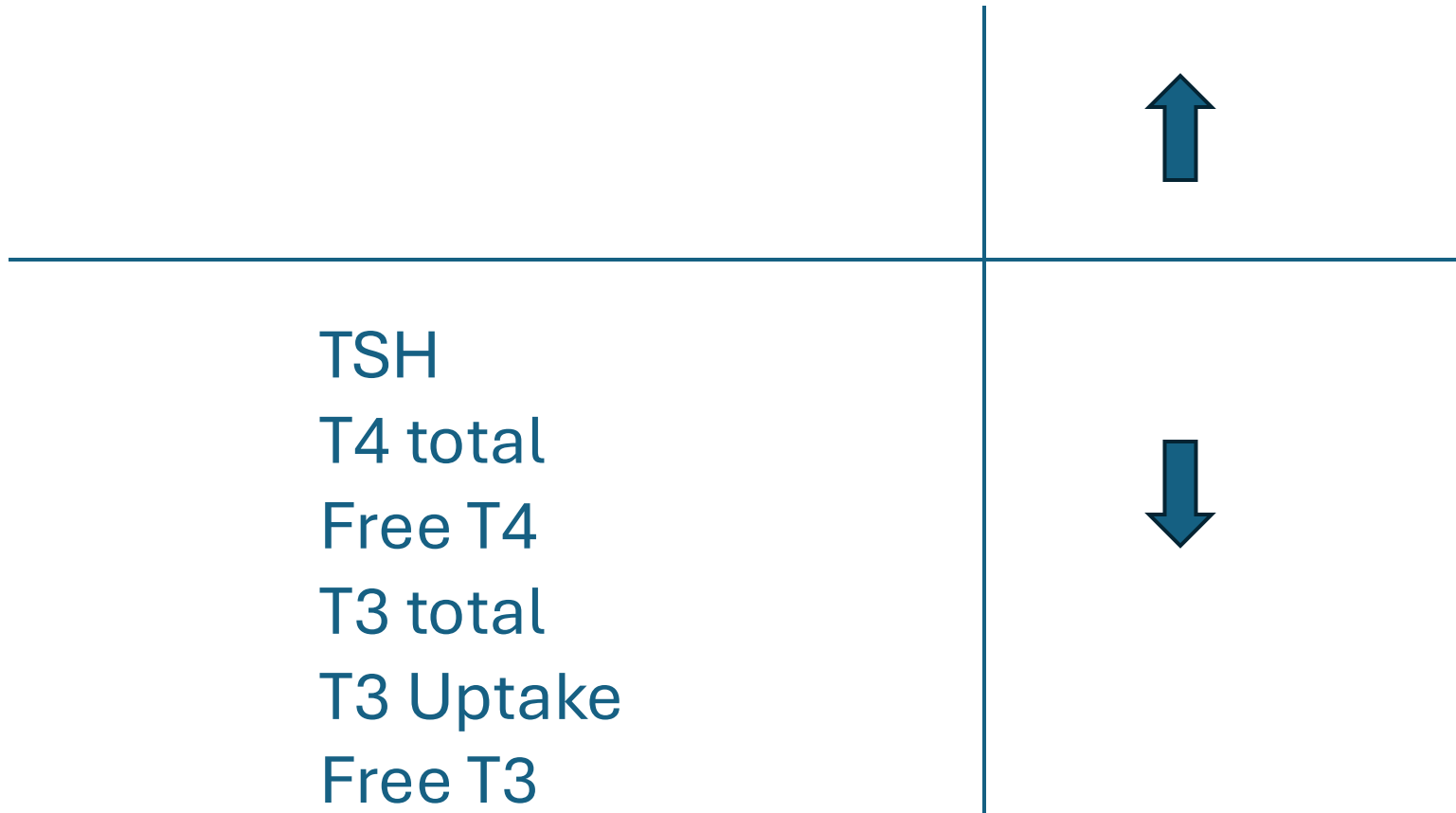
Thyroid Patterns

Hyperthyroidism:



Thyroid Patterns

Pituitary Suppression:



Thyroid Patterns

Thyroid Underconversion:

Reverse T3



T3 total
Free T3



Biogenetix™

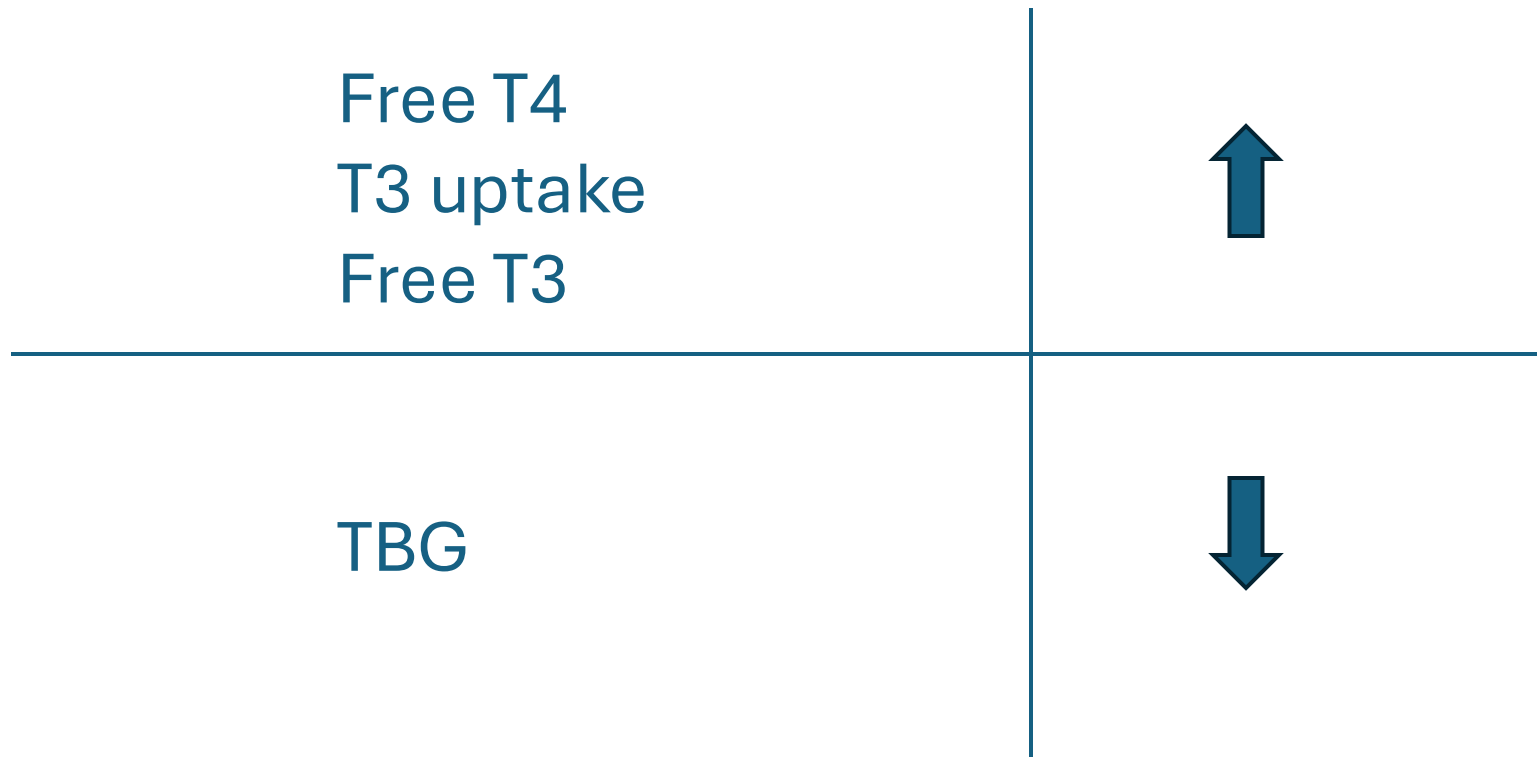
Thyroid Patterns

Elevated Thyroid Binding Globulin:



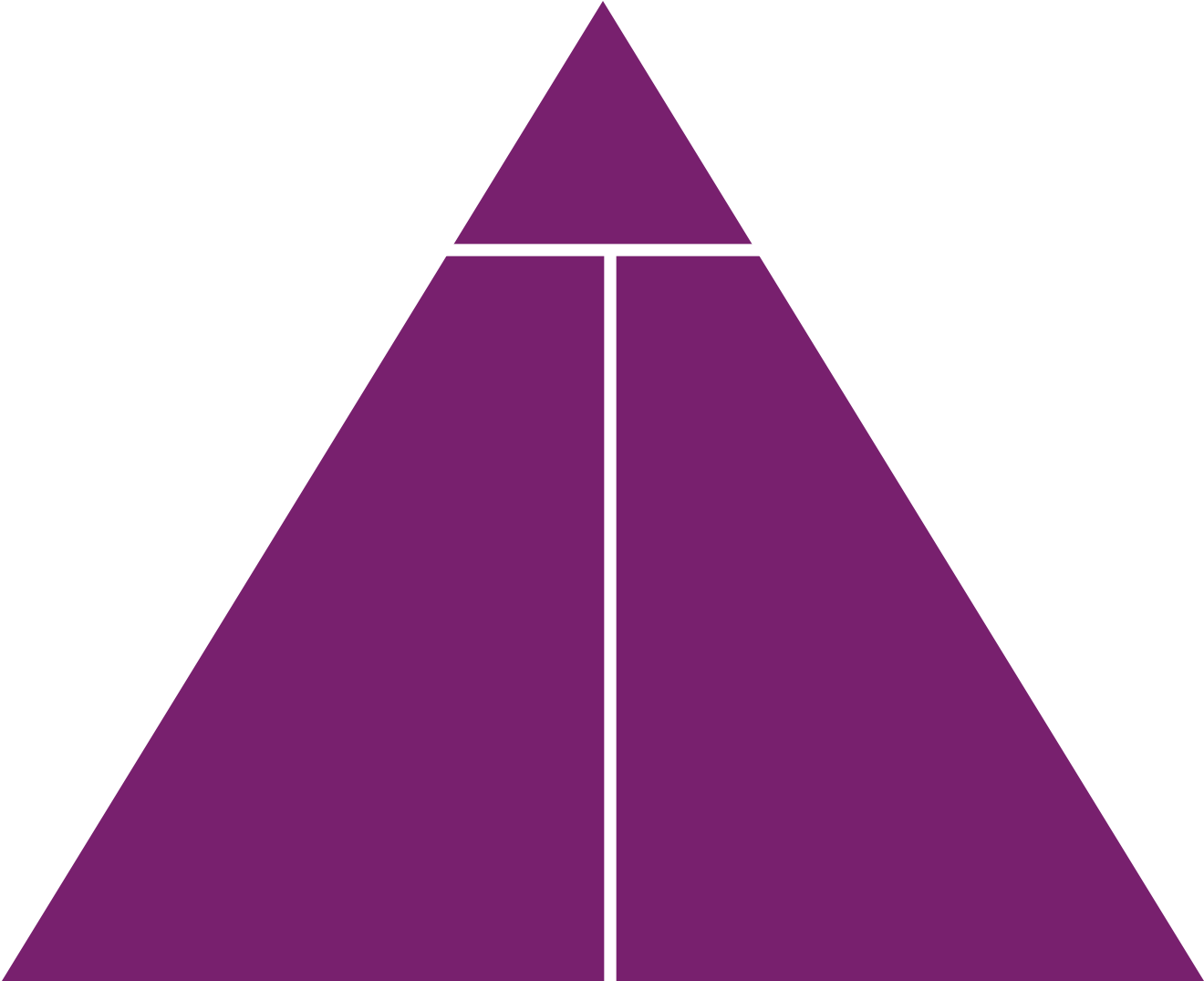
Thyroid Patterns

Decreased Thyroid Binding Globulin:



INFLAMMATION

Euthyroid



T4/T3

TSH

INFLAMMATION

Primary
Hypothyroidism

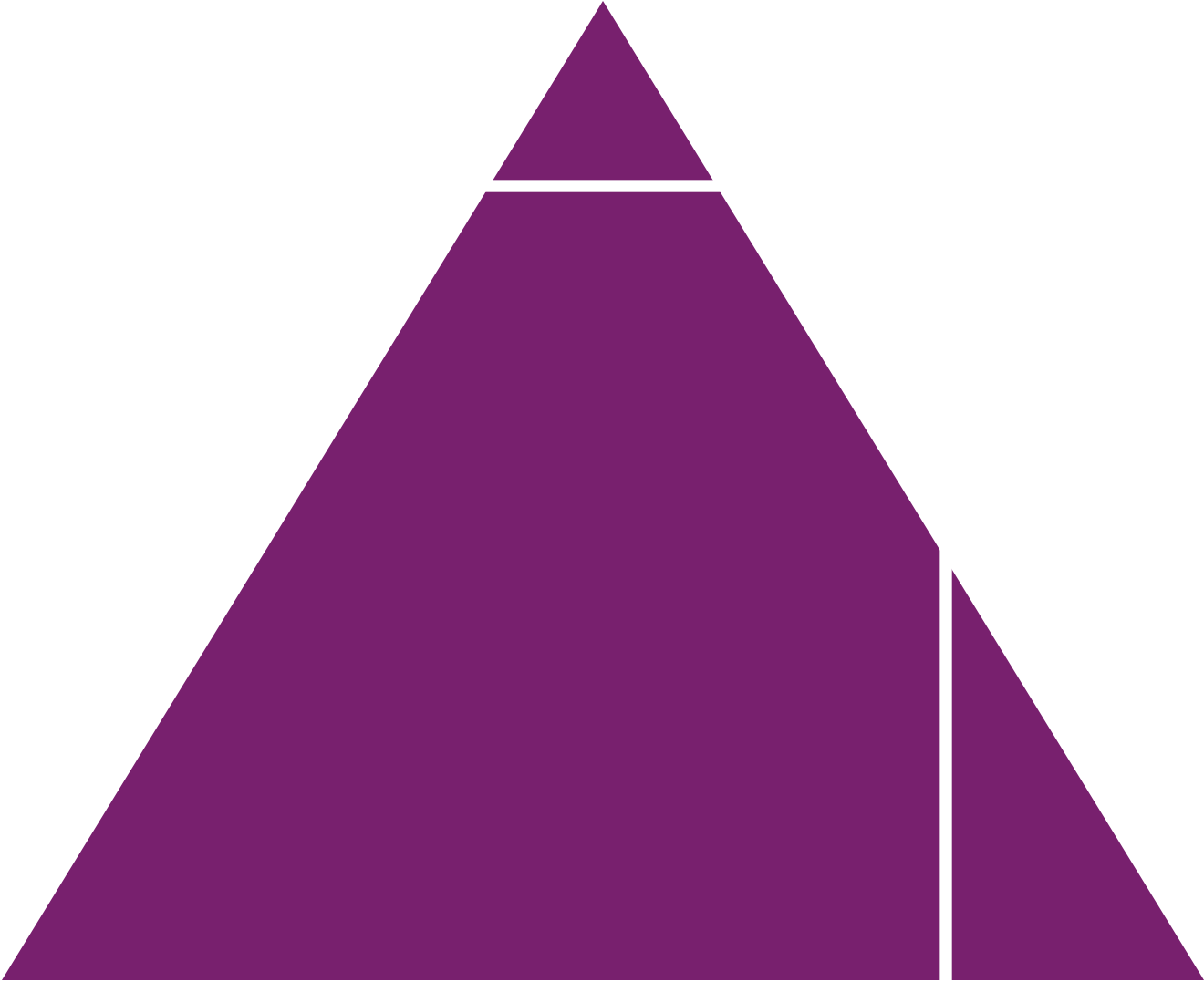


T4/T3

TSH

INFLAMMATION

Hyperthyroidism

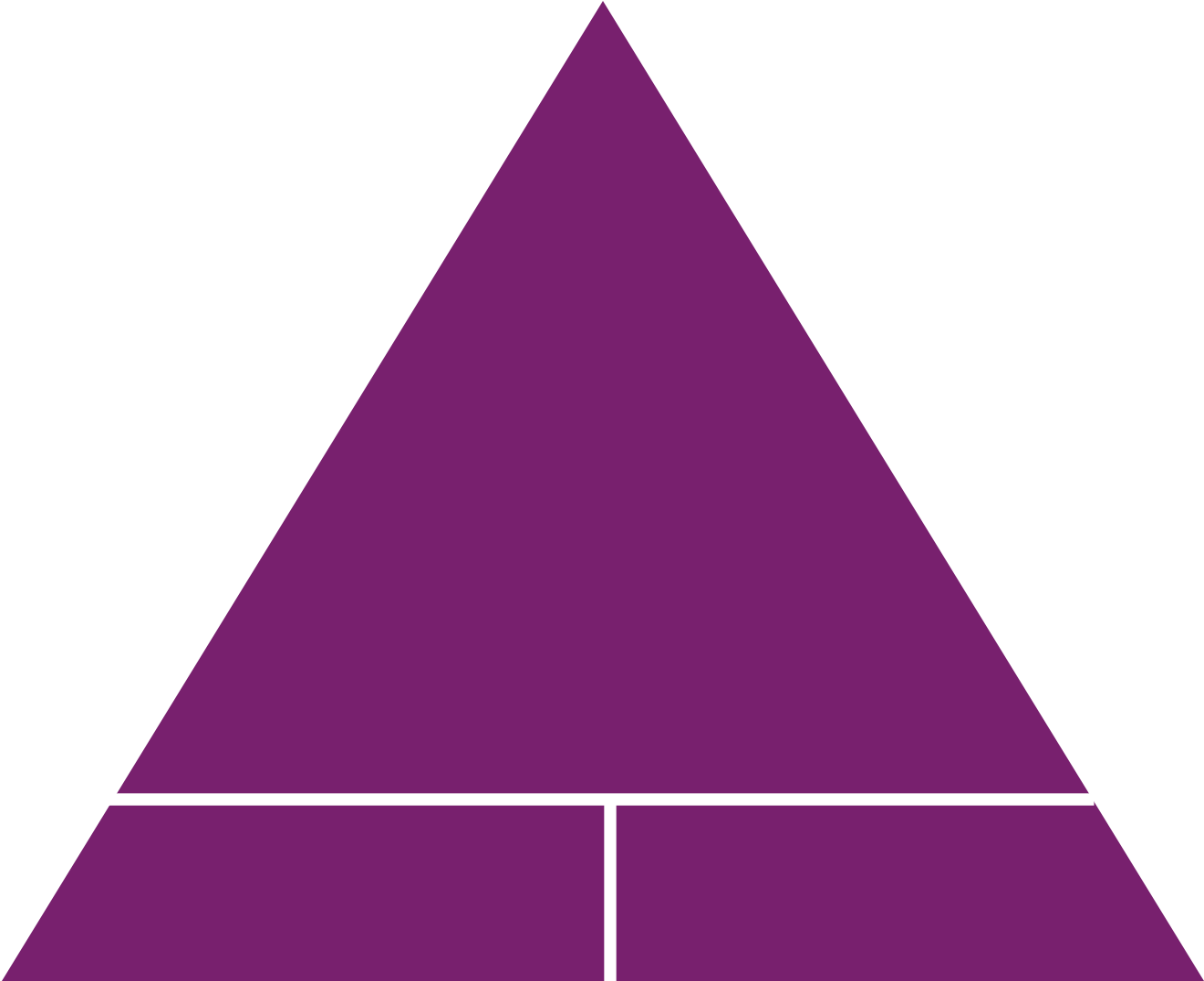


T4/T3

TSH

INFLAMMATION

Pituitary
Suppression

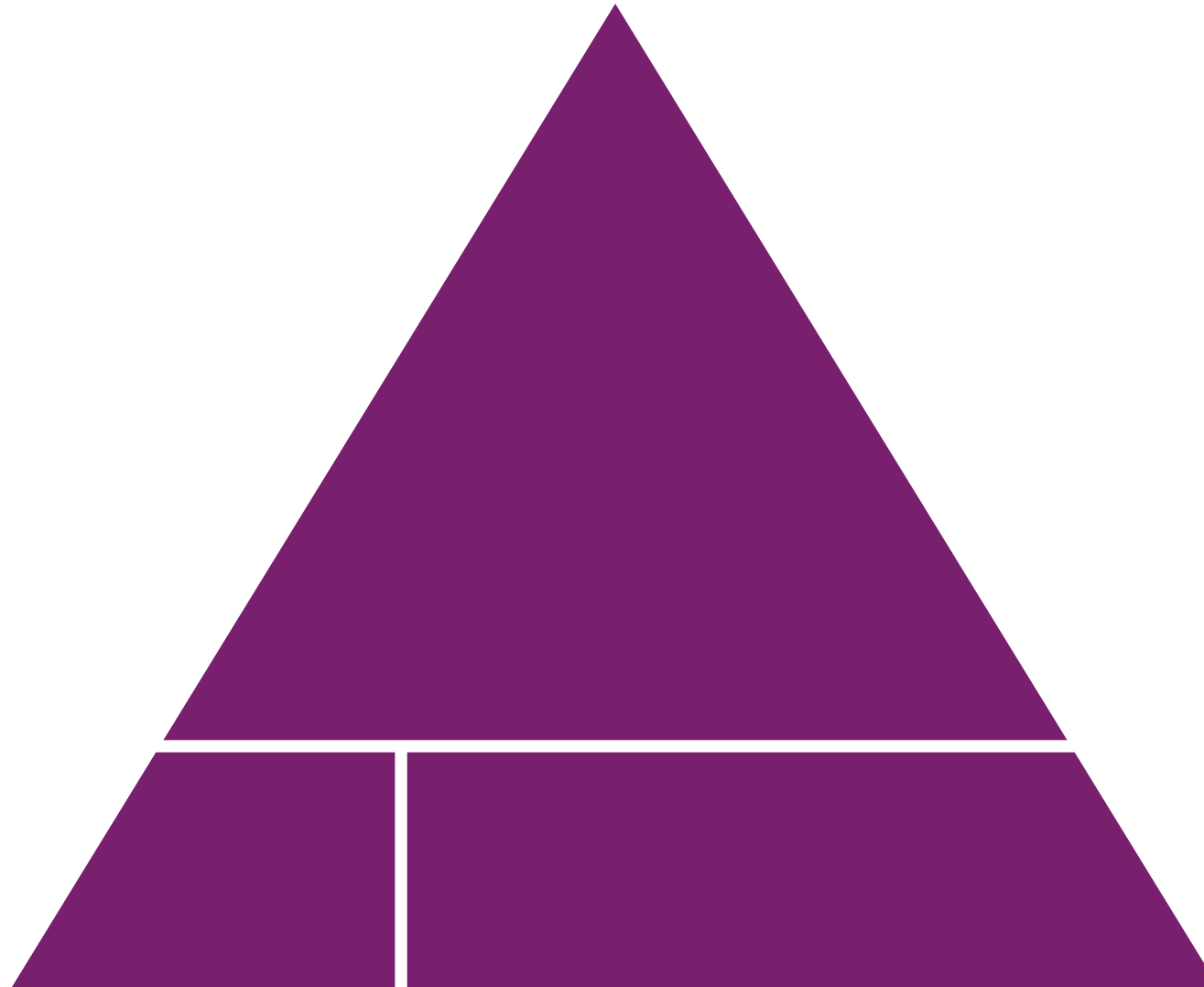


T4/T3

TSH

INFLAMMATION

Underconversion



T4/T3

TSH

Autoimmune Thyroiditis

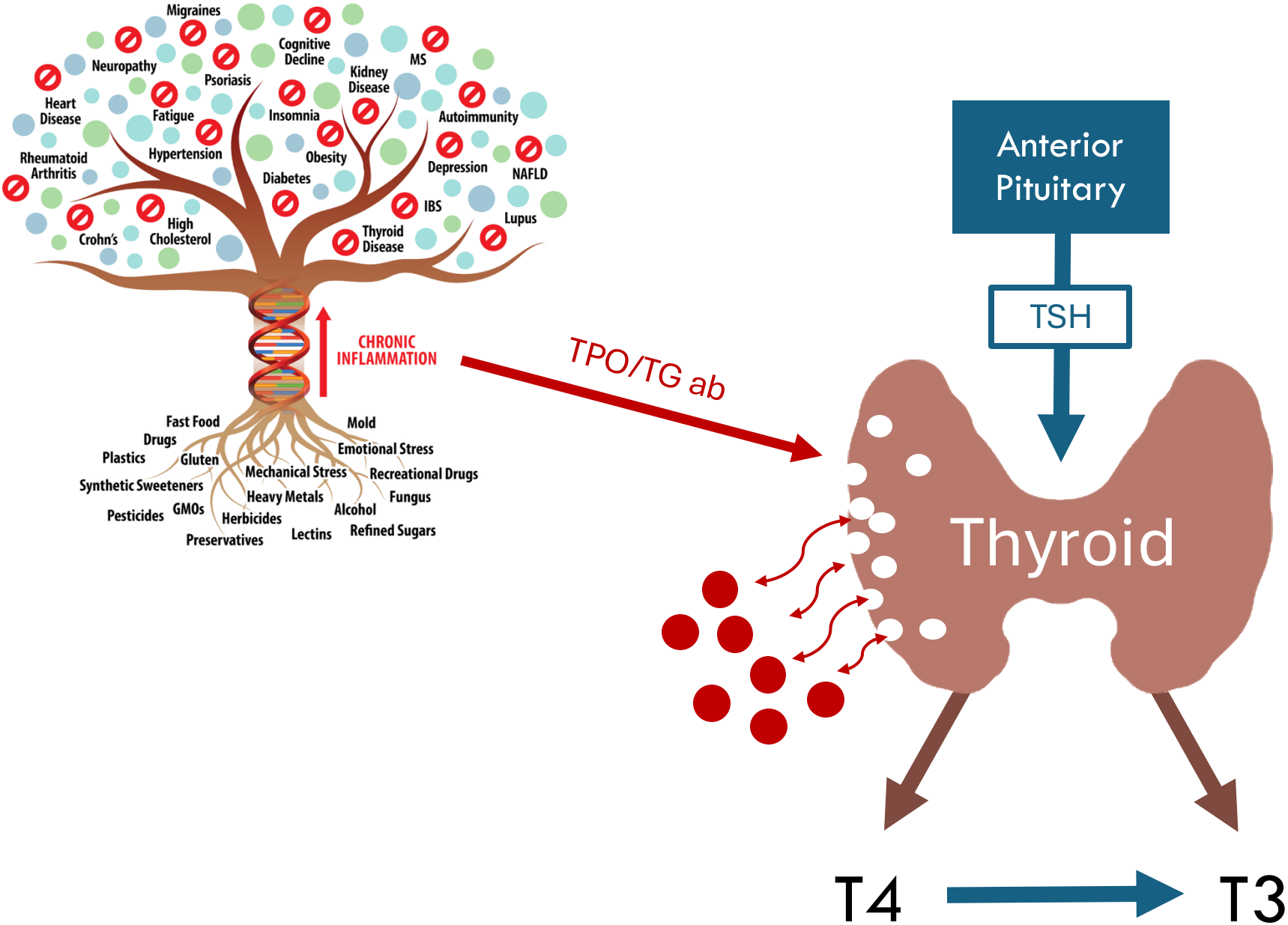
AI Hypothyroidism:

Thyroid peroxidase ab
Thyroglobulin ab

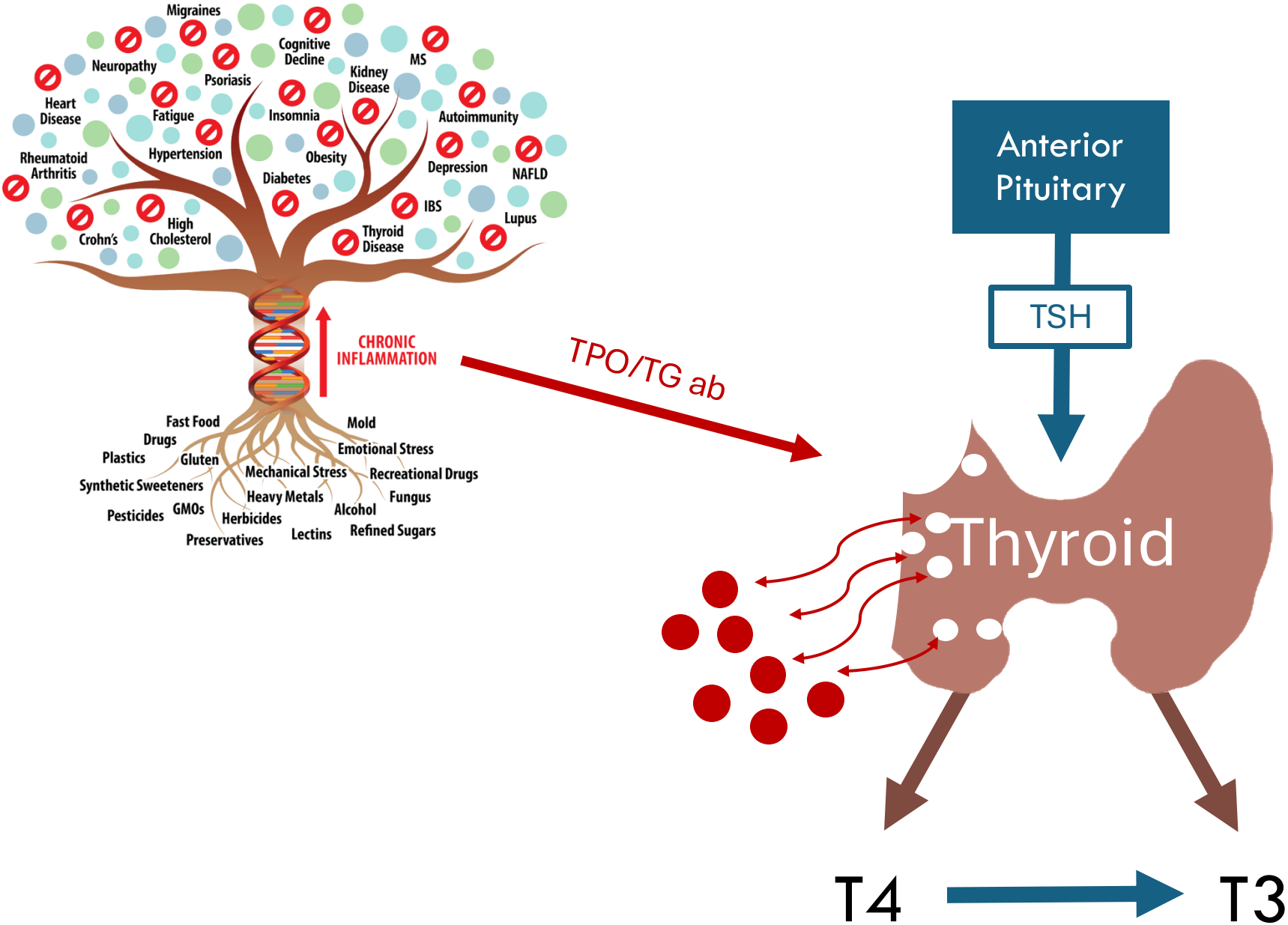


TSH
T4 total
T4 free
T3 total
T3 free



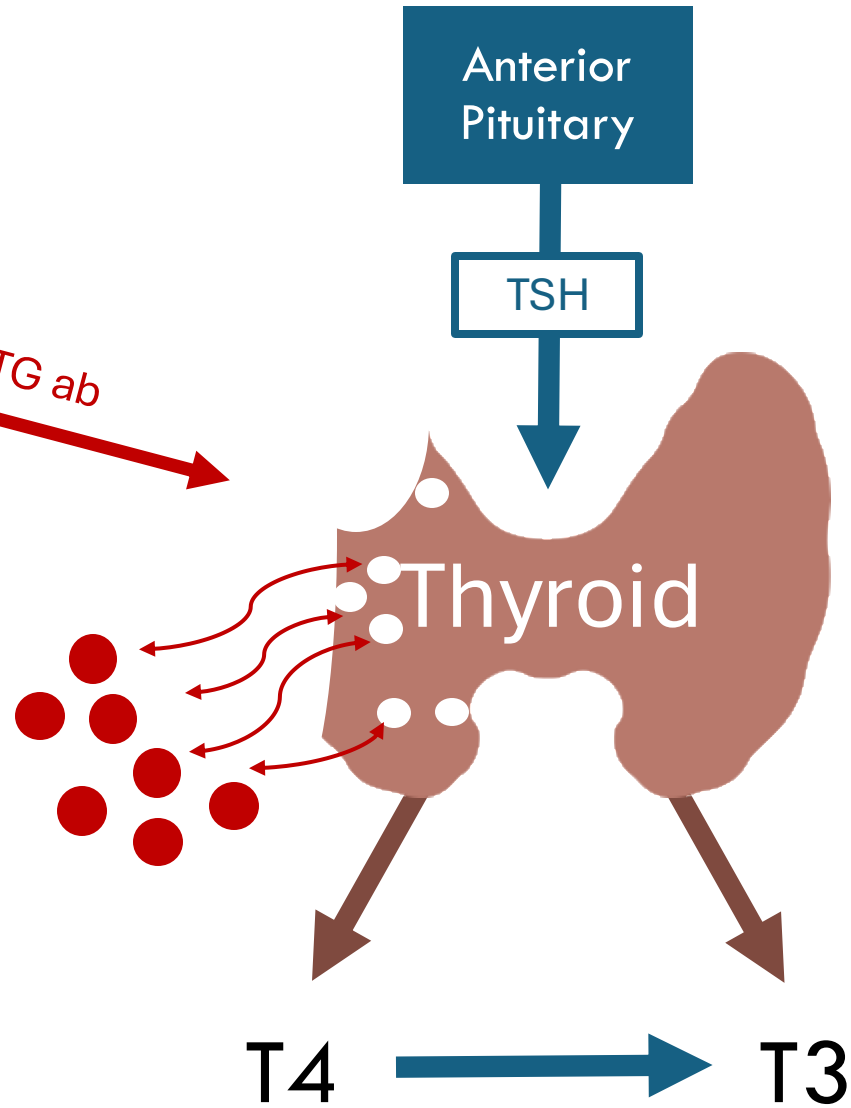
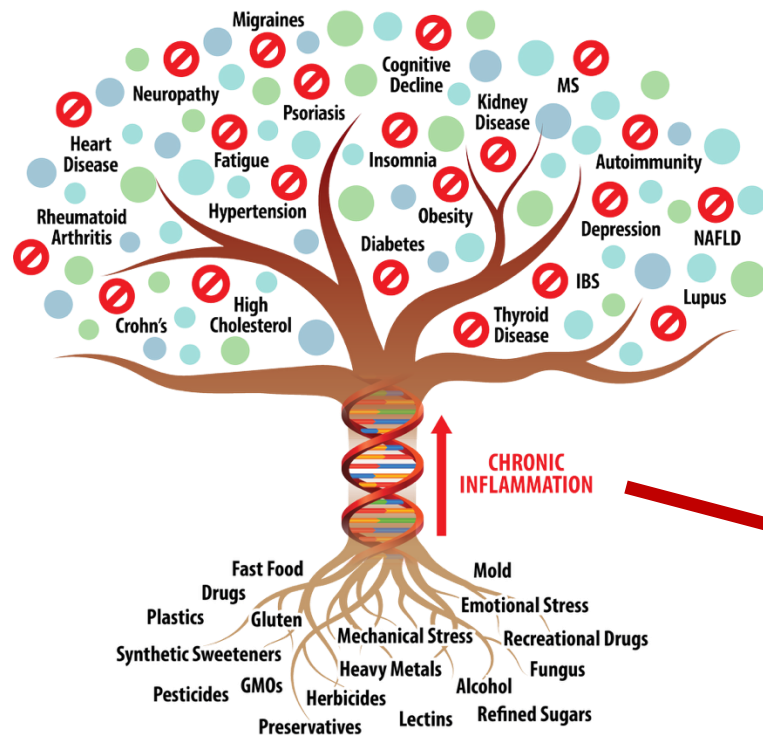


TSH: WNL
T4: WNL, +
T3: WNL, +



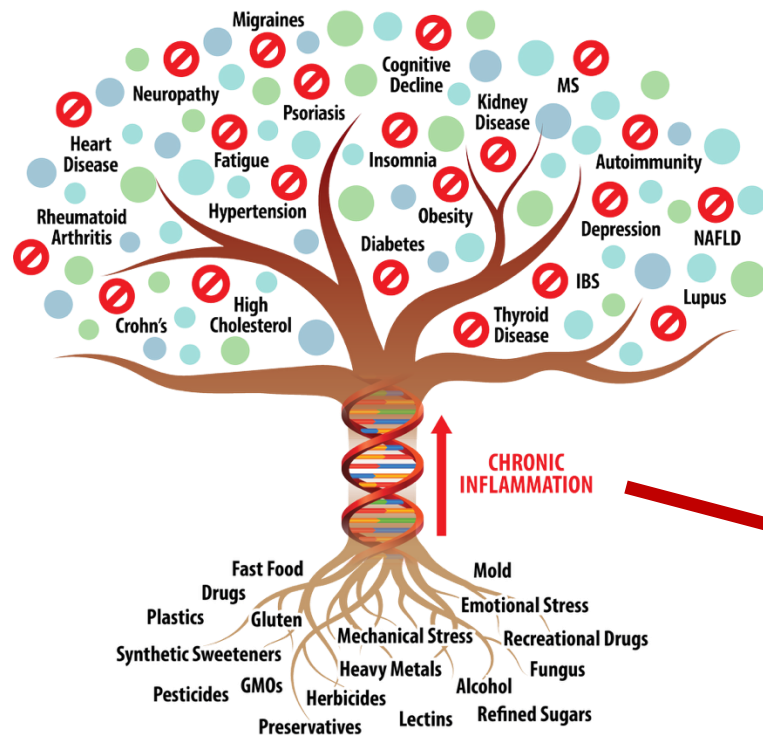
TSH: Elevated
T4: WNL, -
T3: WNL, -



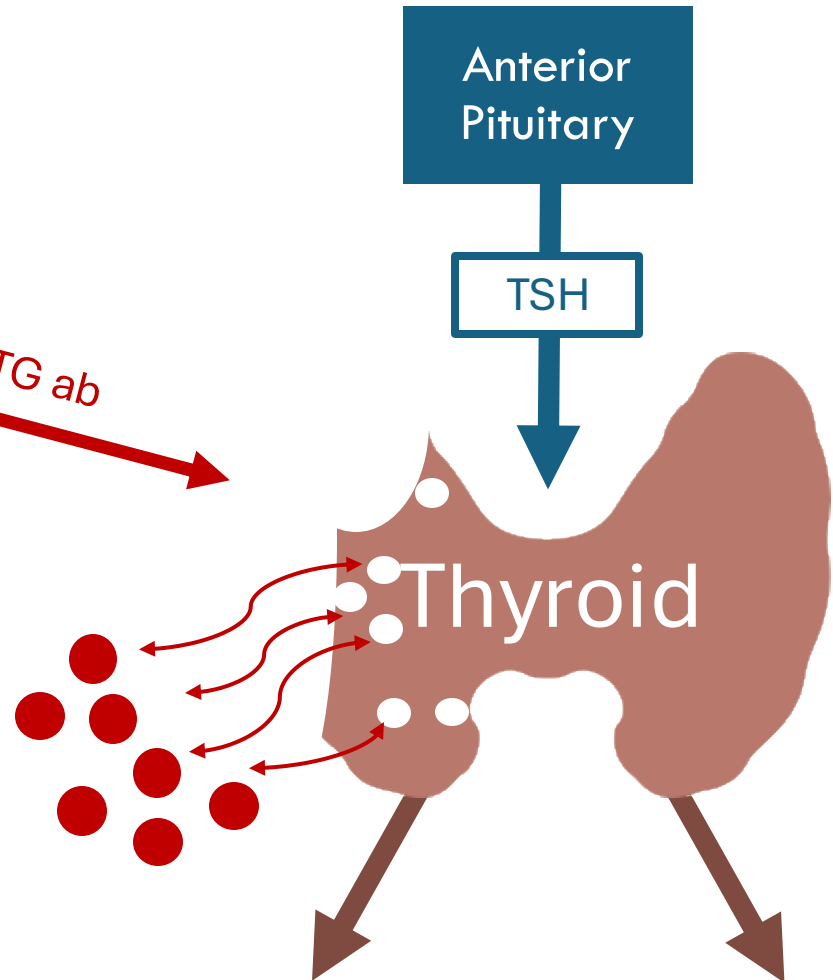


AI
Hypothyroid

TSH: Elevated
T4: low
T3: low



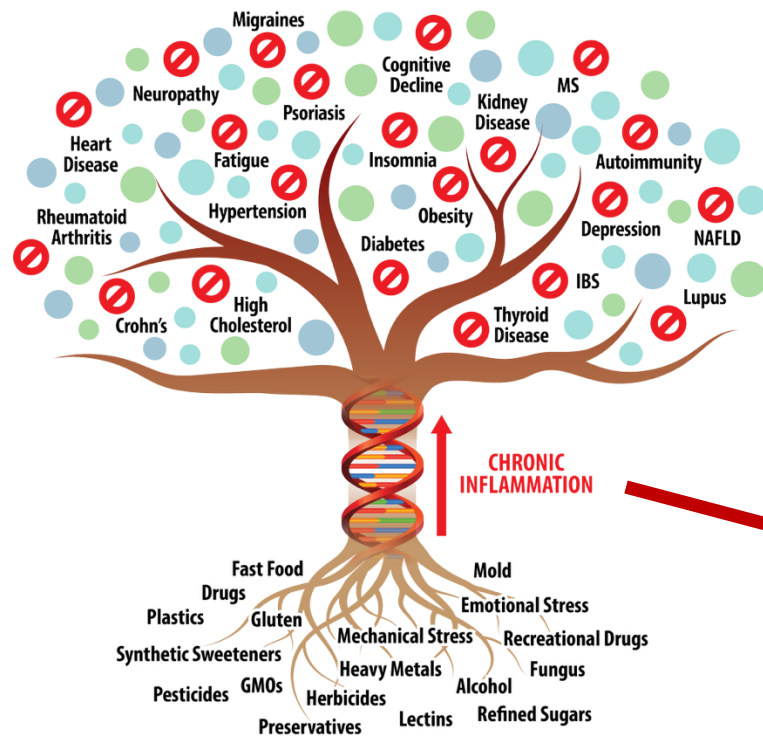
TPO/TG ab



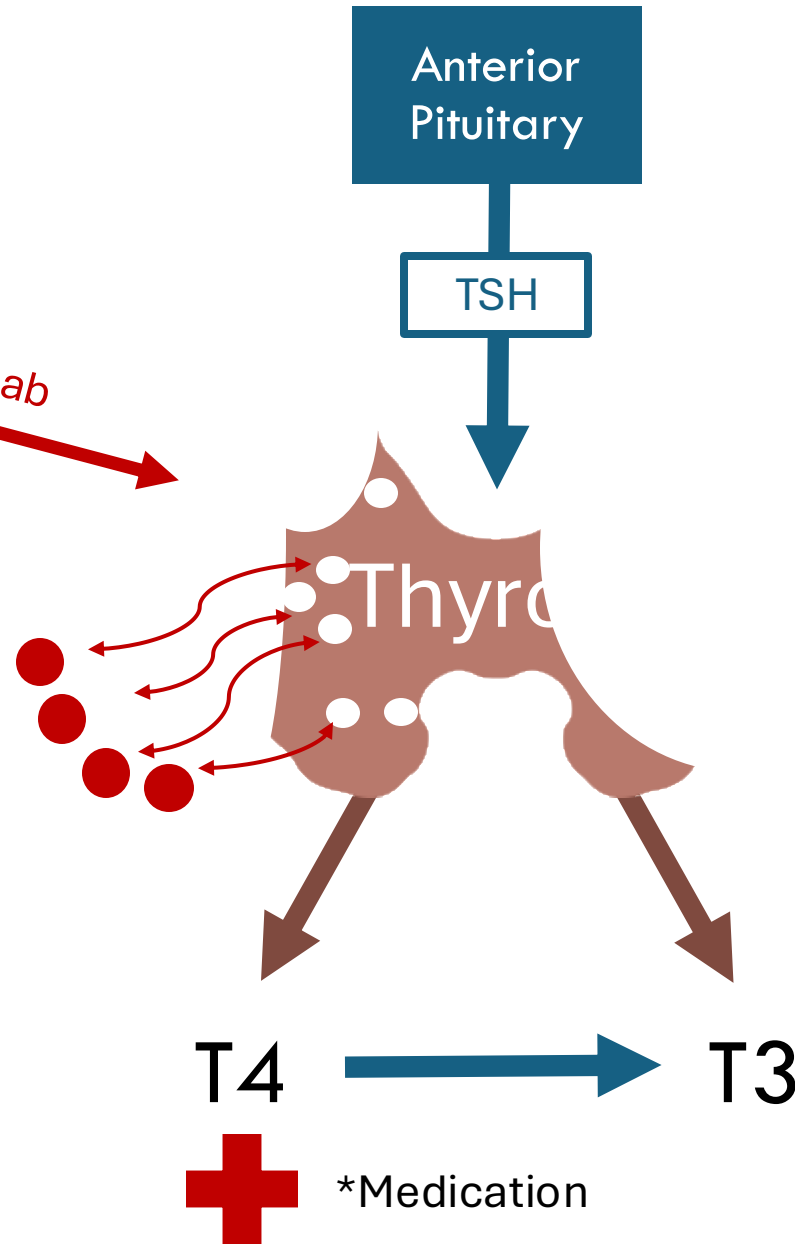
T4 → T3
+ *Medication

AI
Hypothyroid

TSH: WNL
T4: WNL
T3: WNL

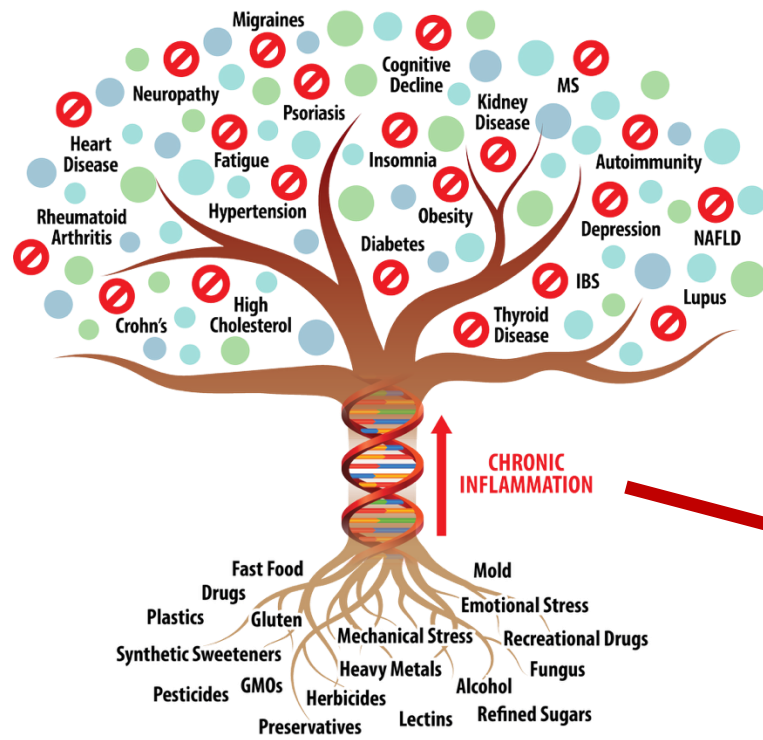


TPO/TG ab

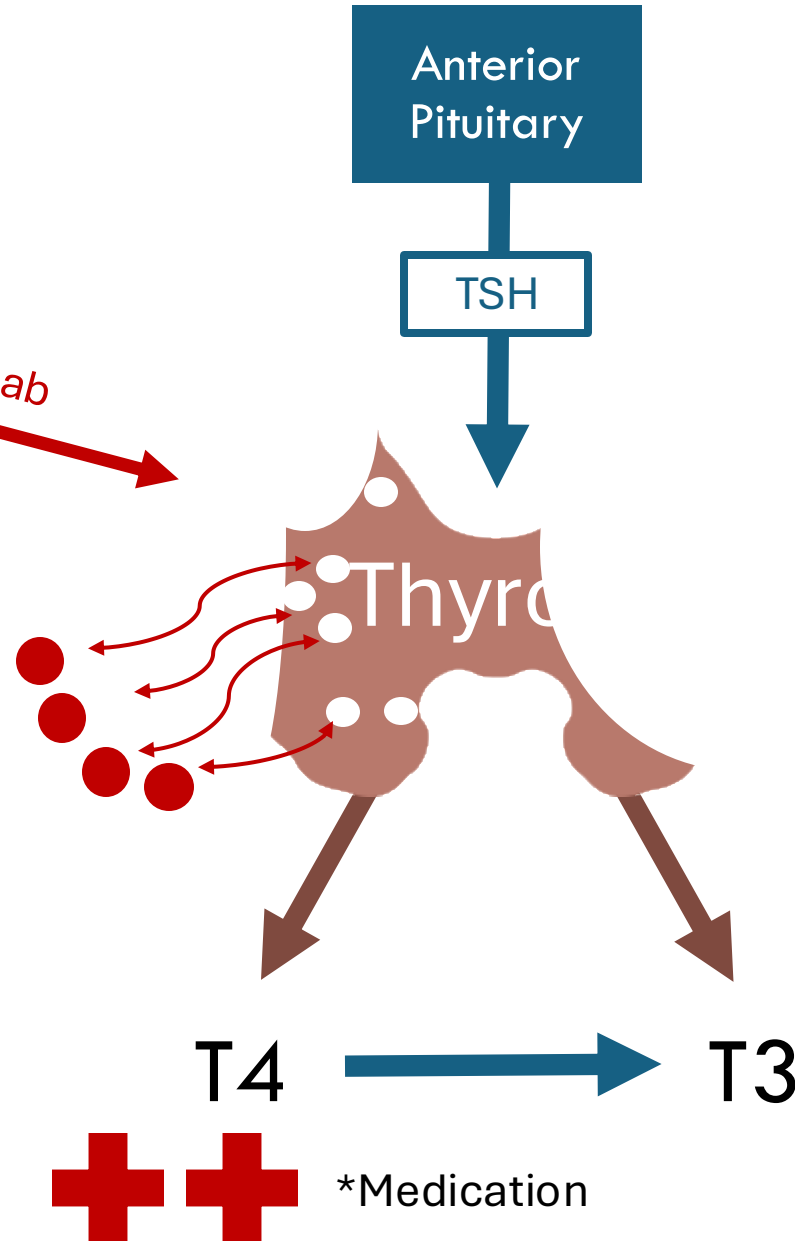


AI
Hypothyroid
Advancement

TSH: High
T4: WNL, -
T3: WNL, -

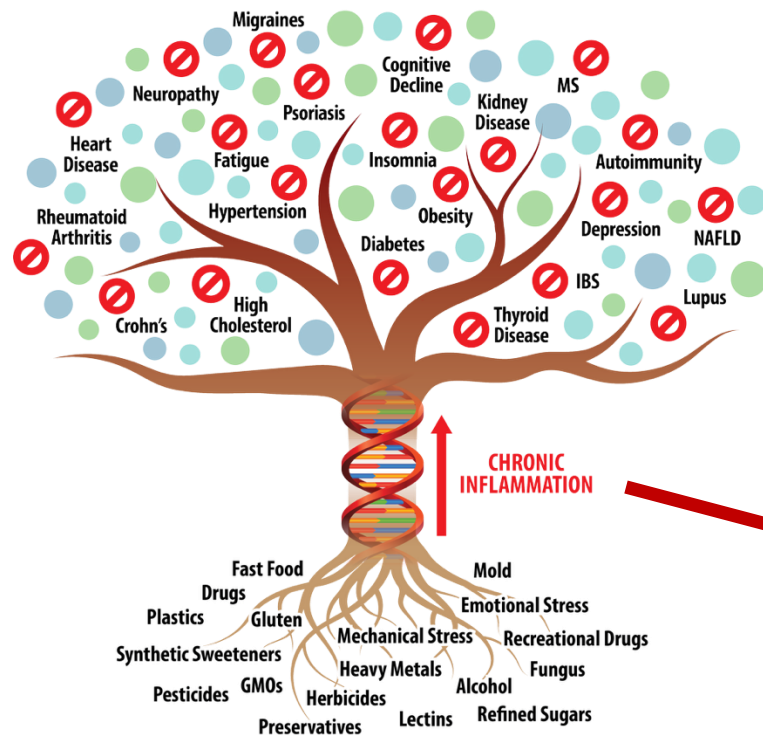


TPO/TG ab

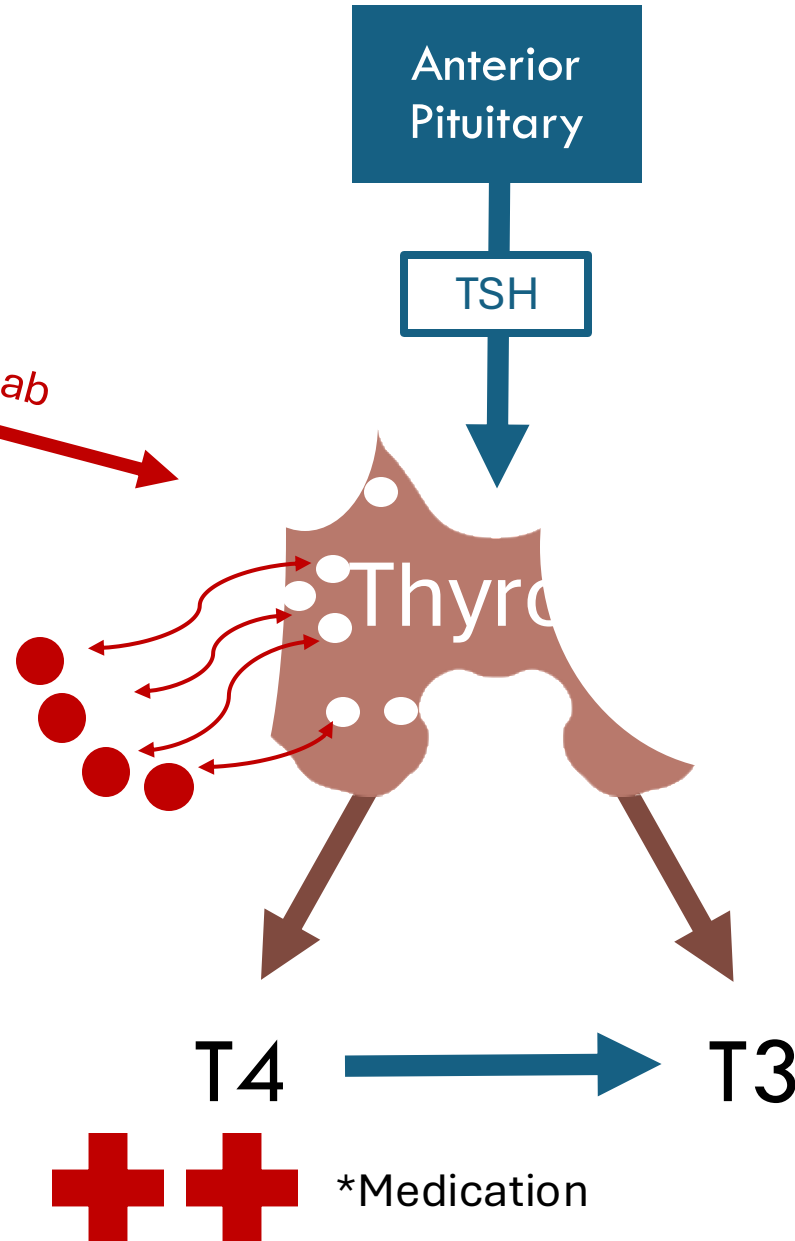


AI
Hypothyroid
Advancement

TSH: WNL
T4: WNL
T3: WNL

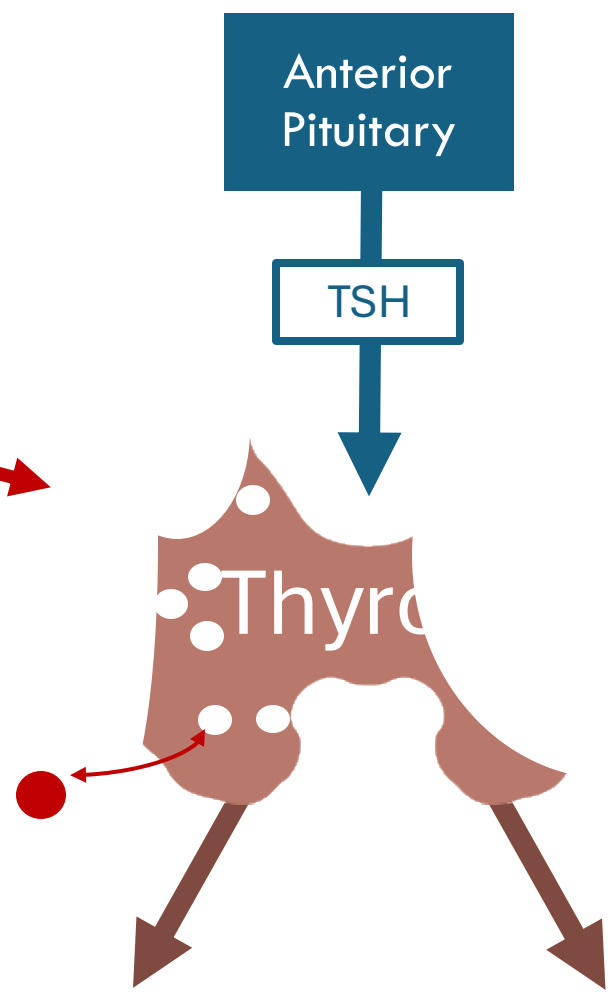
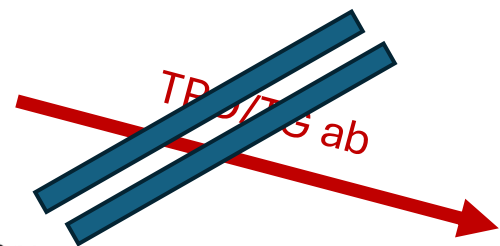
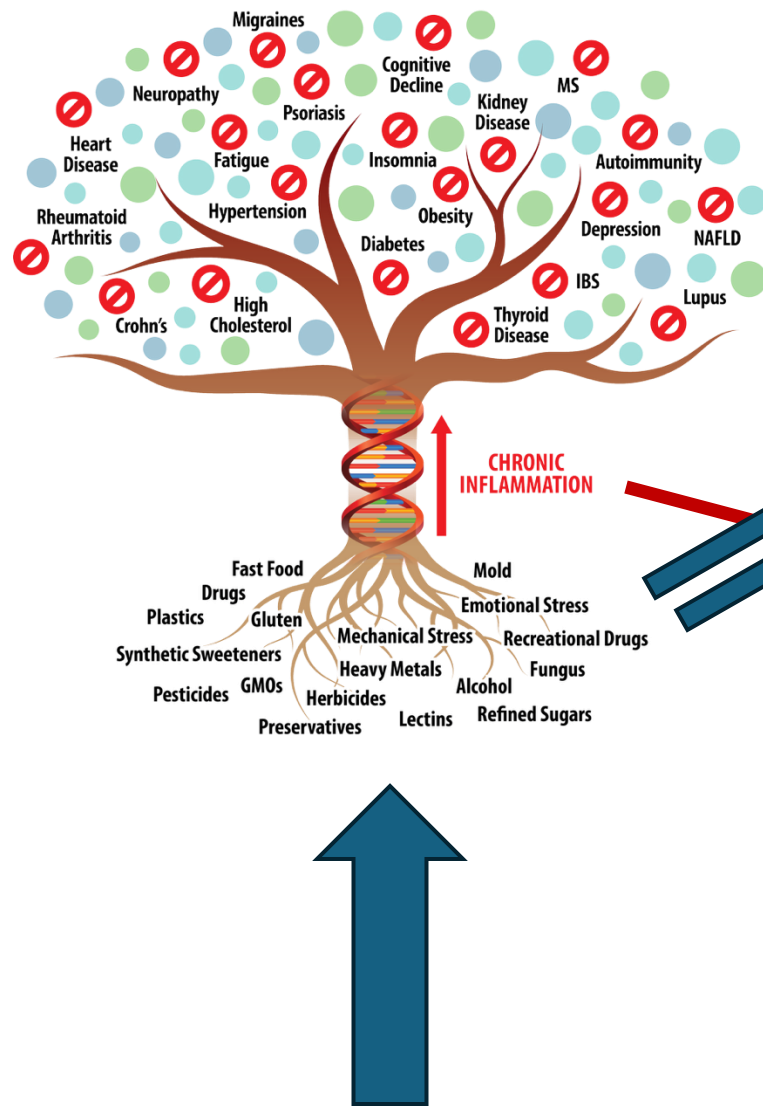


TPO/TG ab



AI
Hypothyroid
Advancement

TSH: WNL
T4: WNL
T3: WNL



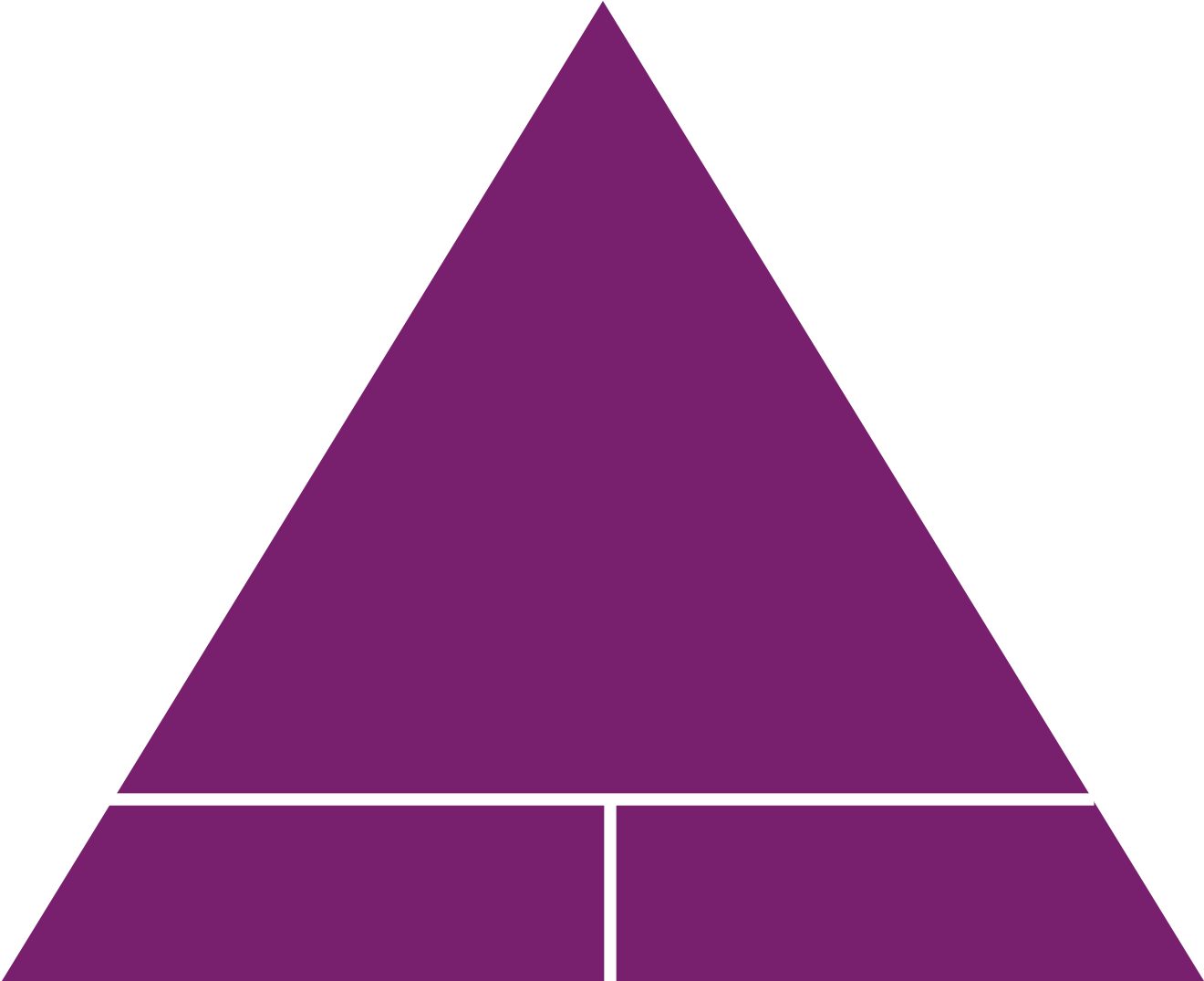
T4 $\xrightarrow{\quad}$ T3
 + + *Medication

AI
Hypothyroid
Intervention

TSH: UP
 T4: WNL, -
 T3: WNL, -

INFLAMMATION

Developing



T4/T3

TSH

INFLAMMATION

AI
Hypothyroid
Intervention

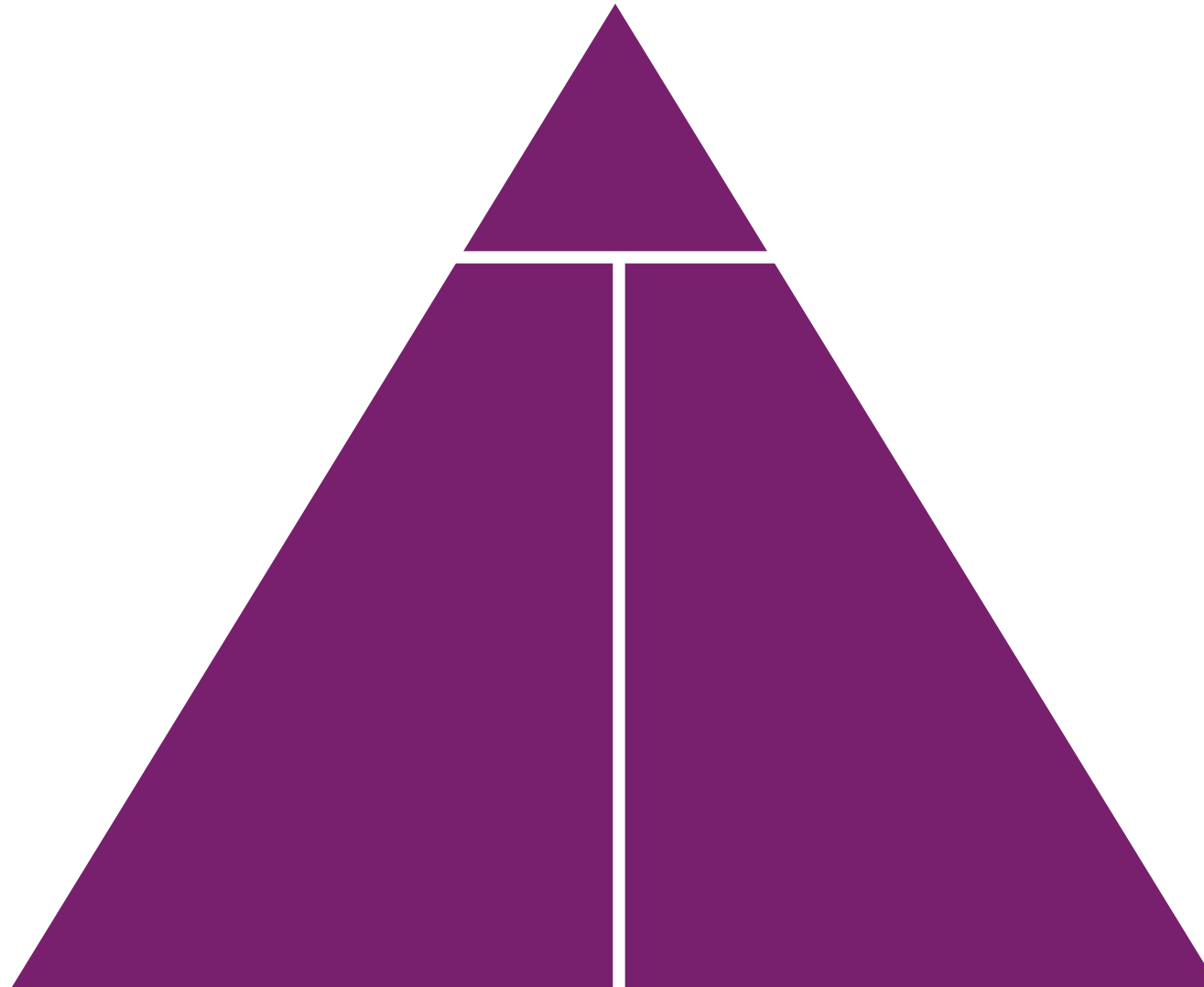


T4/T3

TSH

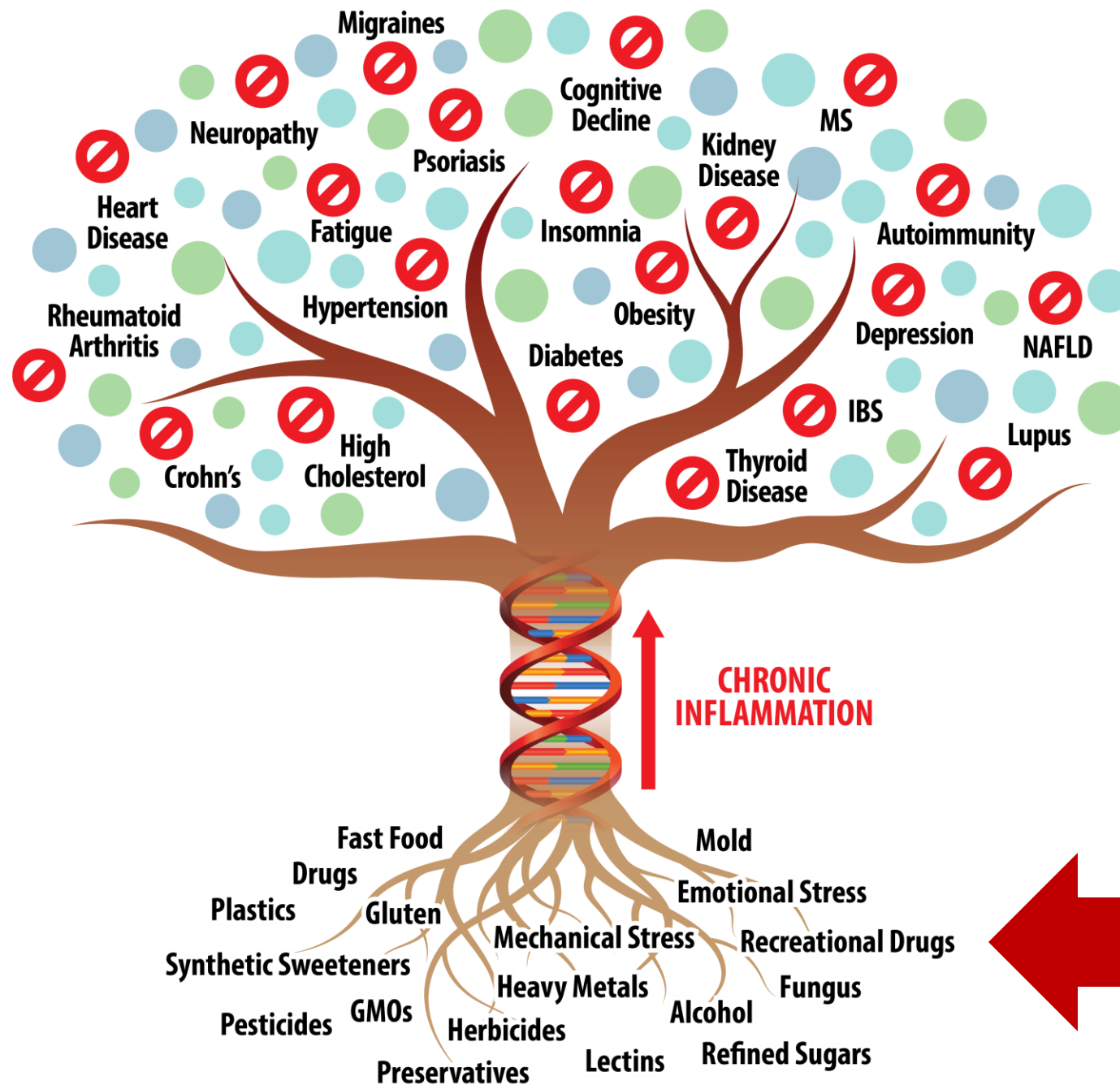
INFLAMMATION

AI Hypothyroid
Intervention/Balance



T4/T3

TSH





Reach out to your
Biogenetix Rep.



Submit your case
to the CC team



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