

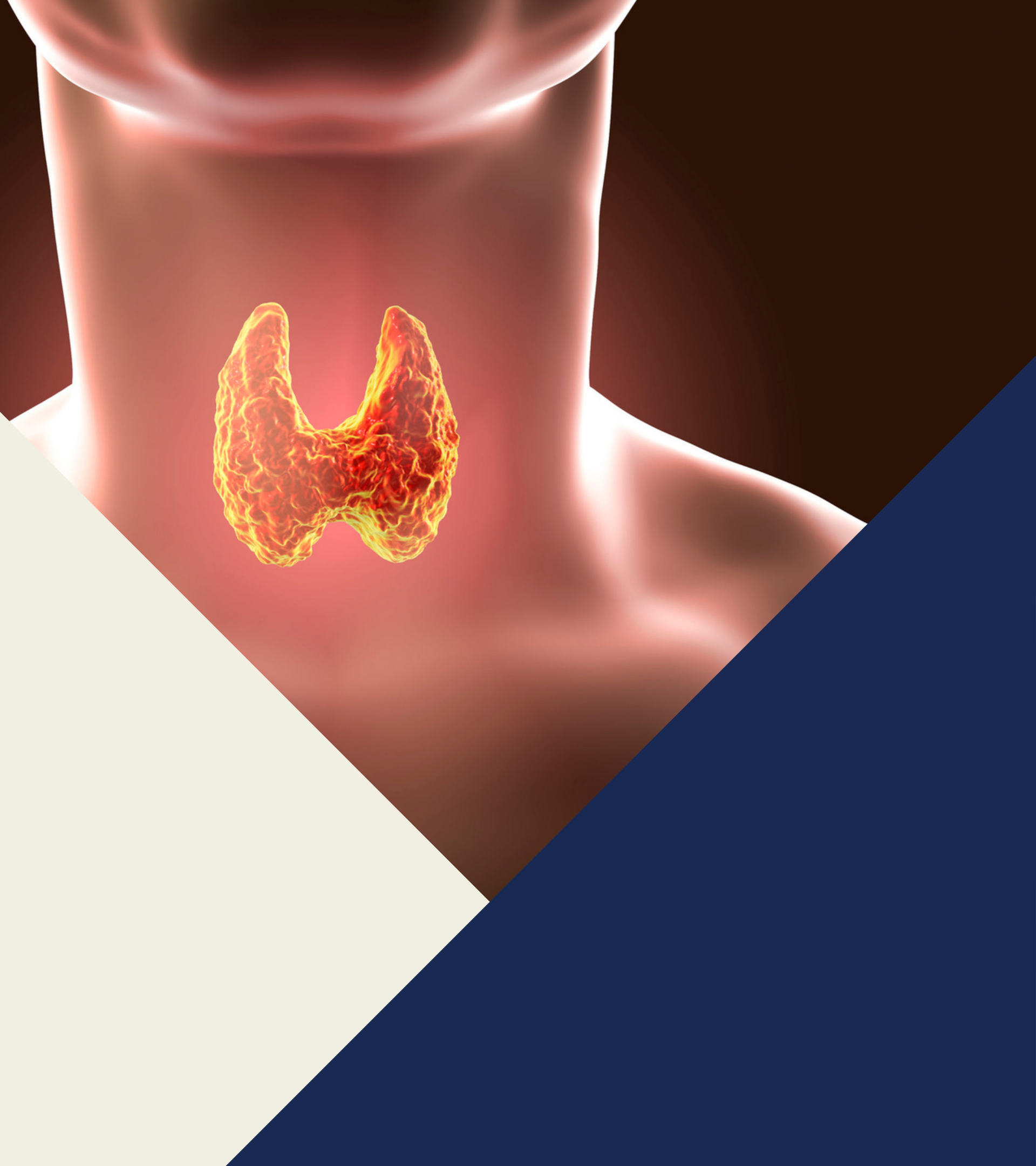


History
Science
Health

Wei
Laboratories

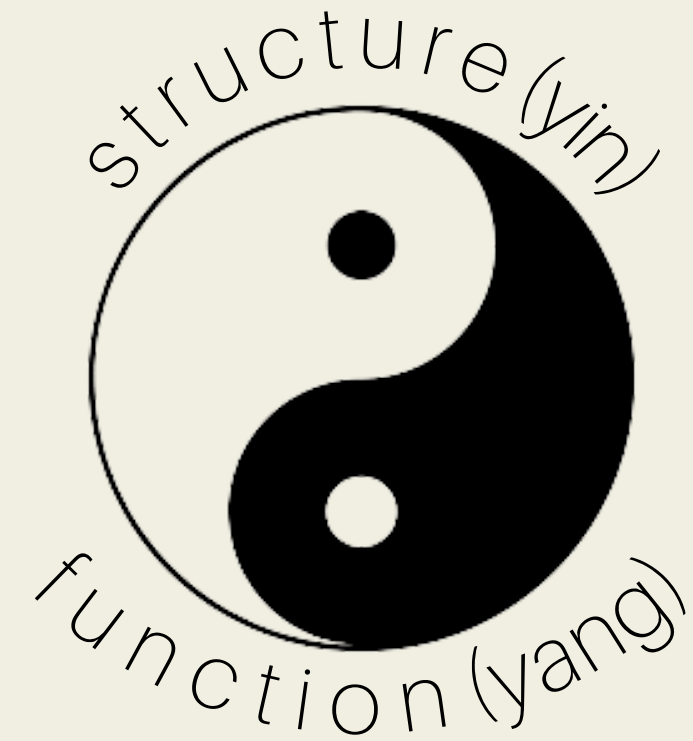
Thyroid Disorders

Java, Brown, LC Balancer,
Soup B, & Thyrocin



TCM Philosophy of Wei Labs

Our approach is to support and nurture the body to maintain a healthy balance between Yin and Yang, and Qi and Blood.



In the treatment of disease, Wei Laboratories herbal formulas focus on restoring the balance of the body's structure and function (Yin and Yang/Qi and Blood). This allows the body to repair its damage, eradicate pathogens, and clear toxins.



"The law of yin and yang is the natural order of the universe, the foundation of all things, mother of all changes, the root of life and death."

- *Yellow Emperor's Classic of Medicine*

You may be wondering how Wei Laboratories protocol is different from Western Medicine? Let us explain!

TCM

We focus on:

- Identifying the root cause
- Focusing treatment on the root cause
- Repairing the structural damage
- Enhancing the body's ability to repair that damage
- Restoring healthy functionality
- Creating balance between structure and function

Western

- Symptom-based approach
- Treatment is focused on addressing the patient's symptoms
- Relief of symptoms through prescription or over the counter medication that cause side effects
- Most often fail to address the condition



Thyroid Disorders Introduction

TCM views blockages as being related to stagnation of Qi, or blood, or phlegm. In this case, phlegm stagnation is impeding the flow to and from the thyroid gland.

Many TCM herbs have been shown to improve thyroid function, decrease levels of autoimmune antibodies, and decrease the size of goiters.



Here is how we are different when it comes to addressing thyroid disorders:

TCM

- **Clears Spleen Damp**
 - Enhances lymphatic circulation
 - Clears waste accumulated in the lymph
 - Helps to clear autoantibodies
 - Reduces levels of inflammatory cytokines
 - Addresses major symptom of lethargy and fatigue
- **Nurtures Liver, GI, and Kidneys**
 - Improves liver function to better regulation on T cells
 - Increases conversion of thyroid hormone to its active form
 - Clears excessive iodine in the blood and releases inhibition to the thyroid gland
- **Break down stasis**
 - Reduces thyroid nodules

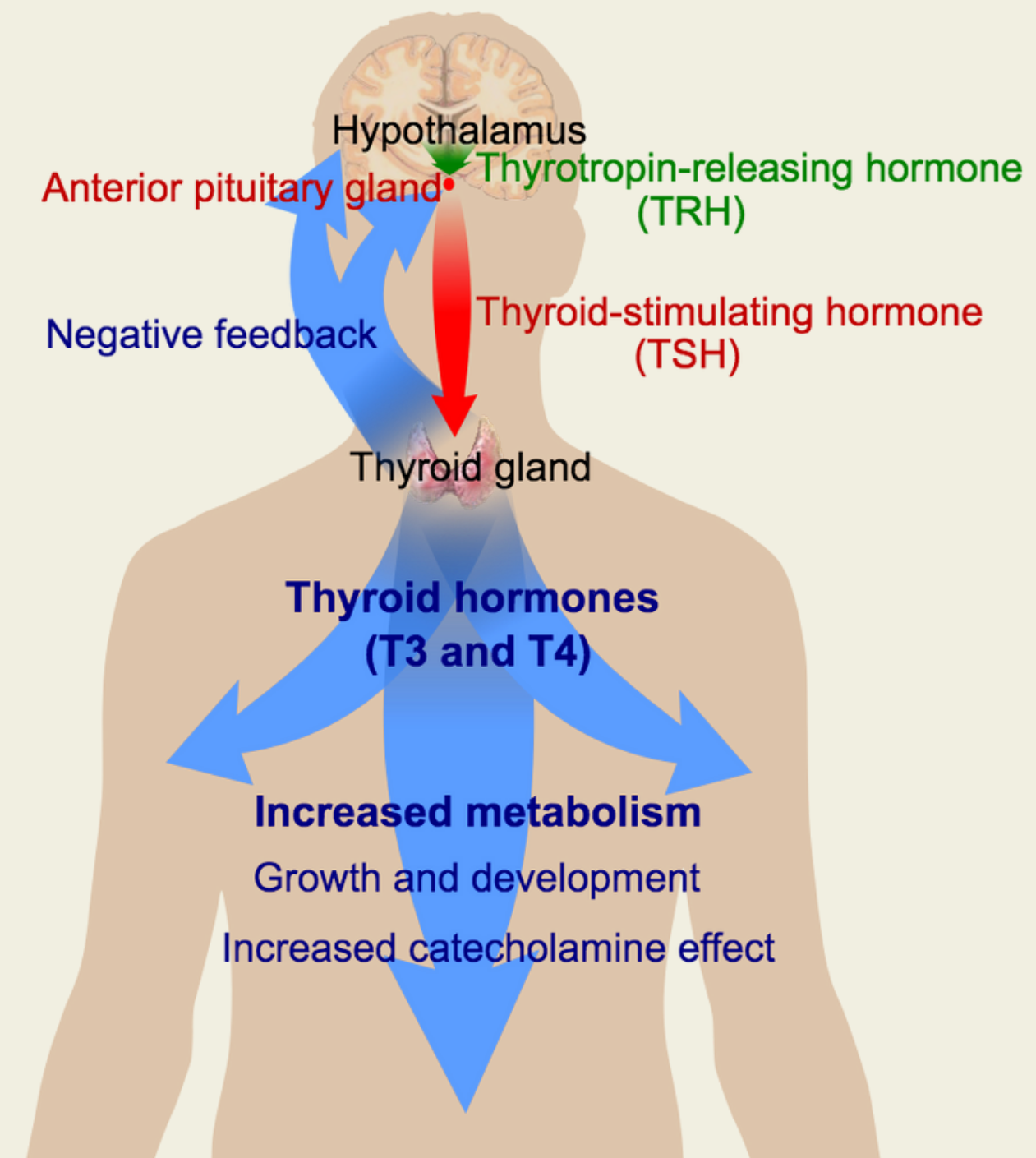
Western

- **Levothyroxine**
 - Hypothyroidism
 - Synthetic version of a hormone called thyroxine
 - Can not take if patient has diabetes, HBP, allergic, any heart issues.
 - If stopped, symptoms return
 - Side effects
- **Anti-thyroid medications**
 - People may experience a relapse
 - Both drugs can cause serious liver damage, sometimes leading to death.



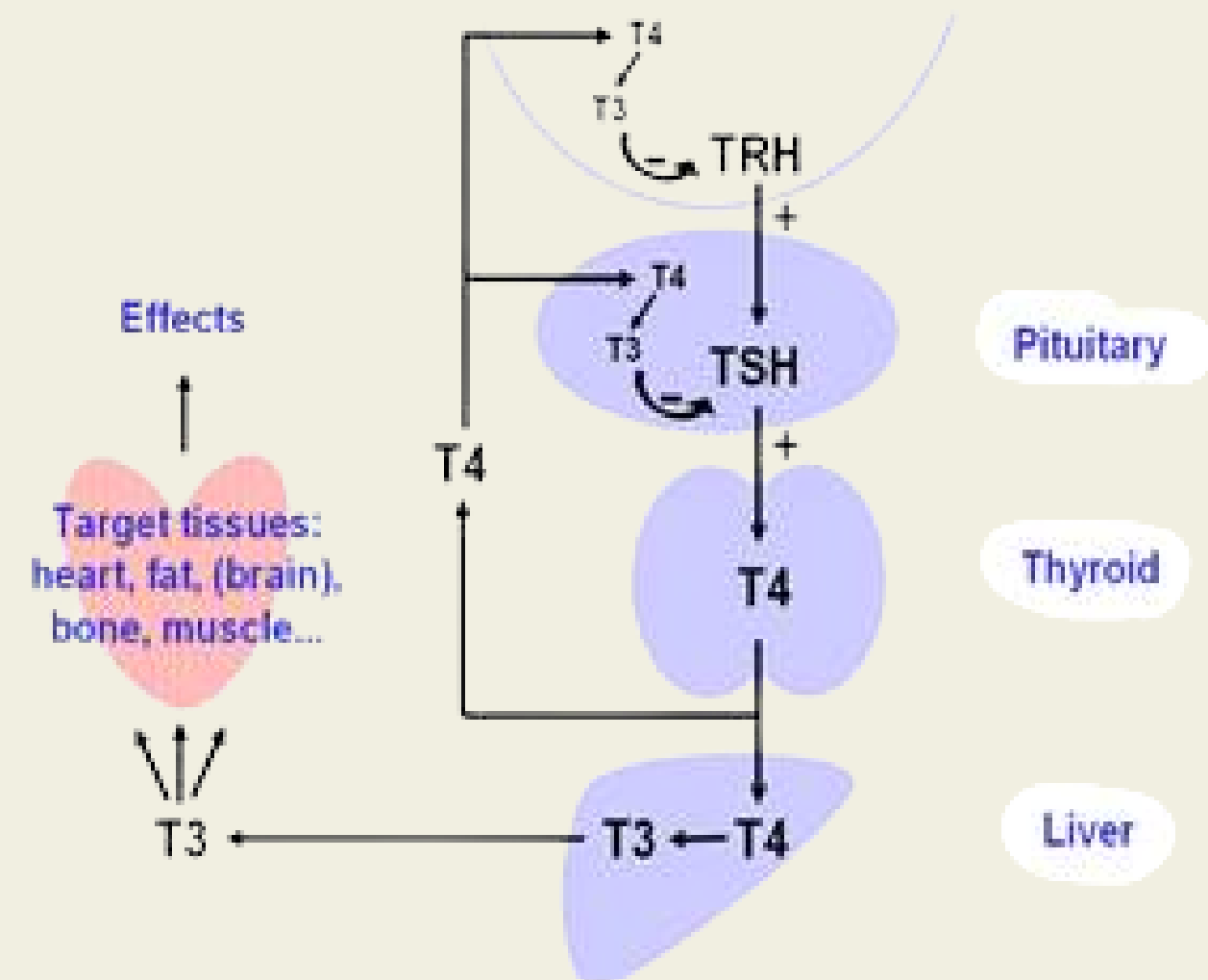
Thyroid Overview

- The thyroid is a butterfly-shaped gland in the lower neck
- Thyroxine (T4) and triiodothyronine (T3) are the two main thyroid hormones
 - Help regulate growth and development, body temperature, heart rate, and weight
- The amount of thyroid hormones secreted is controlled by thyroid stimulating hormone (TSH)
 - Released from the pituitary gland



T3 & T4

- Thyroxine (T4) is the main hormone secreted into the bloodstream by the thyroid gland
 - it accounts for about 94%
- T4 must be converted to T3 before the body can use it
 - T3 is the most active form the body can use
- These cells convert T4 to T3 with an enzyme, deiodinase which removes one molecule of iodine from T4
 - The majority of T4 is converted into T3 in the liver and 20% of T4 is converted into T3 in the GI tract



Hyperthyroidism

- The thyroid gland becomes overactive and produces too much thyroid hormones
 - Accelerates the body's metabolism, causing unintentional weight loss and a rapid or irregular heartbeat, increased appetite/ sweating/ sensitivity to heat, anxiety, fatigue, skin thinning, and fine hair

Graves Disease (GD): Spleen Damp / Liver Yin Deficiency in TCM

- Autoimmune disorder
- Most common cause
- Develops from a combination of genetics and environmental triggers
- The immune system produces an antibody called thyroid-stimulating immunoglobulin (TSI) that attaches to the thyroid cells and mimics TSH
- This causes the thyroid to overproduce thyroid hormones
- The dysfunction of the immune system leading to the production of the antibodies, TSI, involves both B and T cells
 - Reduced inhibition of Th cells due to reduced suppressor T cell activity is the main cause of GD

Thyroid nodules

- Benign fluid-filled lumps that form in the thyroid
- The tissue in thyroid nodules can produce excess amounts of thyroid hormone, therefore, causing hyperthyroidism

Thyroiditis

- Inflammation of the thyroid gland
- Cause stored thyroid hormone to leak out of the thyroid
- Initially, causes hyperthyroidism due to the excess thyroid hormone but after about three months the thyroid becomes underactive and leads to hypothyroidism

Hypothyroidism

- Also called underactive thyroid
- The thyroid does not make enough thyroid hormones.
- Decreased levels of thyroid hormones slow down the body's metabolism, causing unintentional weight gain, slowed heartbeat, fatigue, sensitivity to cold, joint/muscle pain, dry skin, fertility problems, depression, and a goiter

Hashimoto's disease: Spleen Damp / Liver Yin Deficiency in TCM

- An autoimmune condition in which the patient's immune system attacks the thyroid leading to chronic inflammation of the thyroid gland
- The most common cause of hypothyroidism
- WBC called lymphocytes accumulate in the thyroid and produce antibodies that attack and destroy the cells in the thyroid gland.
- This lymphoid infiltration of the thyroid gland includes both B and T cells.
- Once enough cells have become damaged, the thyroid can no longer make enough hormones to regulate body functions

Goiter

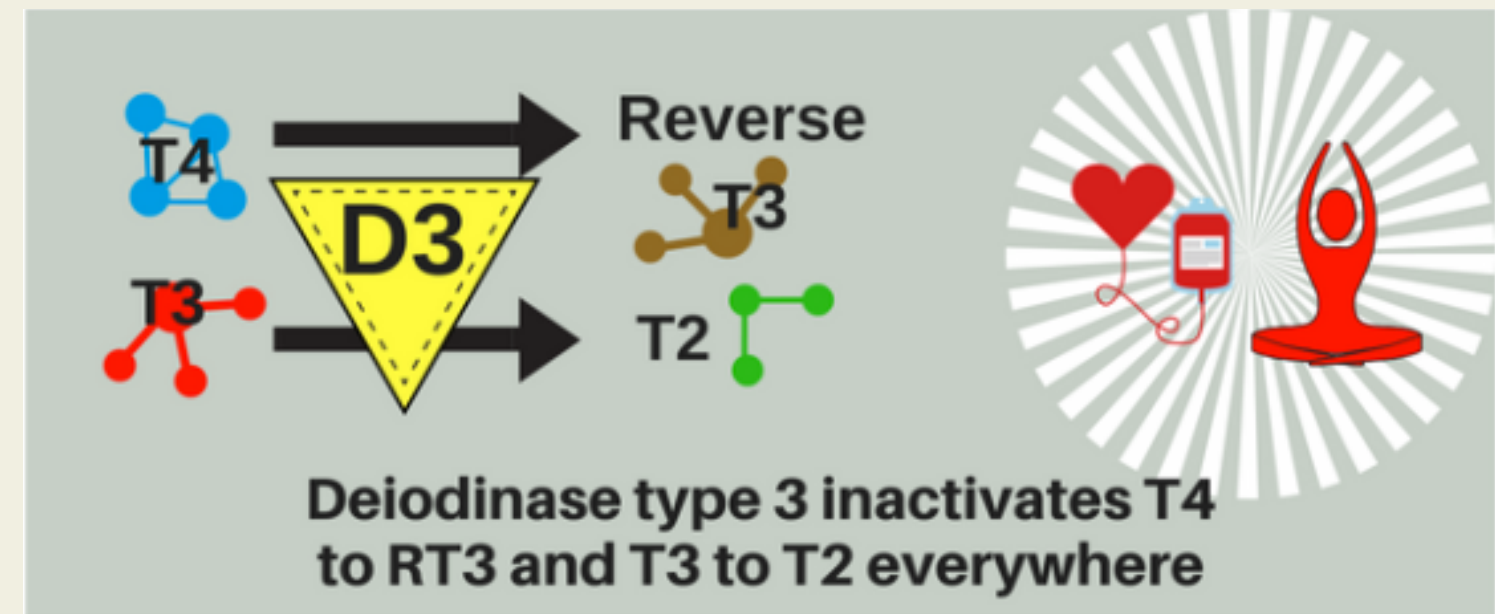
- Abnormal enlargement of the thyroid gland
- In some goiter cases, thyroid hormones are not produced enough (hypothyroidism)
- In other goiter cases, thyroid hormones are overproduced (hyperthyroidism)

Thyroiditis

- Inflammation of the thyroid gland
- Cause stored thyroid hormone to leak out of the thyroid
- Initially, causes hyperthyroidism due to the excess thyroid hormone but after about three months the thyroid becomes underactive and leads to hypothyroidism

Low T3 Syndrome

- Characterized by low levels of T3 with normal T4 levels and either low or normal TSH levels
- Patients exhibit similar symptoms to hypothyroidism
- The problem occurs often in the steps of T4 to T3 and rT3 conversions
 - D3 converts T4 to rT3 which is the inactive form and degrades T3 and T4
 - D3 expression occurs in other organs and tissues but primarily in the liver and gut and is induced by an ischemic condition
 - Stress-induced blood flow reduction to the liver and gut might be able to trigger D3 expression causing low T3 Syndrome in these patients
 - Liver Yin deficiency and/or Cold Stomach in TCM



Wellness Recommendation

JAVA, BROWN, LC BALANCER

Autoimmune Related Thyroid Disorder

Java helps remove Spleen Damp to improve lymphatic circulation to help clear cellular debris and metabolic wastes in the lymphatic system. Through improved lymphatic circulation, symptoms such as fatigue and depression can be reduced.

Brown nurtures the Liver Yin to improve liver function and structure, therefore, restoring liver functionality. Through improved liver function, regulation and activation of T cells can improve.

LC Balancer opens the smallest blood vessels to improve microcirculation to enhance nutrient absorption.

Let's take a closer look at some highlighted herbal ingredients:

PEONY ROOT

Radix Paeoniae Alba, Bai Shao

This herb in Java suppresses over-activated immuno-responses by inhibiting the proliferation of lymphocytes, balancing the differentiation of Th and T cells - Increasing the activity of Tregs could inhibit autoimmunity, and is a promising therapeutic strategy for treating autoimmune thyroid disorders (Ref 1)

TANGERINE PEEL

Pericarpium Citri Reticulatae, Chen Pi

This herb in Java has been shown to restore the levels of TNF- α and IL-6 (inflammatory cytokines) to normal which helps maintain the balance of Th1 and Th2 immune response. (Decreased cytokines have been shown to improve patients immunity status.) (Ref 2)

ASTRAGALUS ROOT

Radix Astragali, Huang Qi

This herb in Brown has been shown to improve thyroid function, and decrease autoantibodies, cytokines, and clinical symptoms of GD. It also can soothe the liver, regulate vital energy, strengthen spleen, nourish blood, promote blood circulation to remove blood stasis and soften hardness to dissipate stagnation. The protecting and restoring effects on thyroid gland tissues can be achieved (Ref 3,4)



Usage & Expectations

AUTOIMMUNE

- **JAVA (2 CAPSULES 2 X DAY)**
BROWN (3 CAPSULES 3X DAY)
LC BALANCER (1 CAPSULE 3X DAY)
- - It is recommended to start with Java and LC Balancer for two weeks followed by Brown and LC Balancer for two weeks.
 - Patients can experience symptom improvement within the first month of the protocol and three months is recommended for significant improvement and sustained results.

Wellness Recommendation

THYROGIN & SOUP B

Thyroiditis, Thyroid Nodules, and Goiter

Thyrocin helps reduce inflammation. Thyrocin also help clear infection of the thyroid gland.

Soup B helps to dissolve and break down thyroid nodules as well helps to repair tissue damage.

Let's take a closer look at some highlighted herbal ingredients:

GOLDEN BELLS

Fructus Forsythiae, Lian Qiao



This herb in Thyrocin has been used in TCM as a typical heat-clearing herb. It has prominent therapeutic effects in resolving "qi" stagnation and phlegm coagulation. It enhances the anti-oxidative activity and decreases the lipid peroxidation in thyroid tissues to resolve goiters (Ref 5)

MULBERRY LEAF

Sang Ye, Folium Mori



This herb in Soup B promotes qi circulation, relieves stagnation, reduces phlegm, removes stasis, and diminishes swelling.

Usage & Expectations

GOITER/NODULES

● **SOUP B (2 CAPSULES 3 X DAY)**
THYROGIN (2 CAPSULES 3 X DAY)

-
- Patients can experience symptom improvement in one week
 - Two to four weeks is recommended for significant improvement and sustained results.

Wellness Recommendation

LOW T3 SYNDROME

Liver Stress

Brown and LC Balancer are recommended to nurture Liver Yin and enhance blood flow to the liver to relieve liver stress.

GI Stress

Spring Capsule, SJ, and Formula B are recommended to warm up the stomach and enhance blood flow to the stomach to relieve GI stress.

CKD

Chronic kidney disease patients usually have low thyroid levels. The kidney takes care of the clearance of free iodide in the blood that is from the breakdown of thyroid hormone. In chronic kidney disease patients, iodide excretion is decreased or diminished leading to an elevated plasma inorganic iodide concentration which inhibits thyroid hormone production (the Wolff-Chaikoff effect). The recommendation includes LC Balancer, Xcel, KS, Formula C and Anemic to improve kidney function and thyroid production.

Usage & Expectations

T3 SYNDROME

- **BROWN (3 CAPSULES 3X DAY)**
LC BALANCER (1 CAPSULE 3X DAY)

SPRING CAPSULE (2 CAPSULES 3 X DAY)
SJ (2 CAPSULES 3 X DAY)
FORMULA B (3 CAPSULES 3 X DAY)

XCEL (2 CAPSULES 3 X DAY)
LC BALANCER (1 CAPSULE 3 X DAY)
KS (1 CAPSULE 3 X DAY)
- **Liver Stress**
 - Patients can experience improvement in their hypothyroidism symptoms and liver-related symptoms with two weeks of treatment.
 - Three to four weeks of treatment is required for significant improvement with sustained results.
- **GI Stress**
 - Patients can experience improvement in their hypothyroidism symptoms and GI-related symptoms with two weeks of treatment.
 - Three to four weeks of treatment is required for significant improvement with sustained results.
- **Chronic Kidney Disease**
 - See the Chronic Kidney Disease Protocol to learn more

Hear From Our Patients

Successful Resolution for Hashimoto's Disease

Dr. Russel Sher, DC, NC

A patient complaining of symptoms of chronic fatigue, depression, deafness, and poor memory came in for assessment and treatment. These symptoms had been present for 30 years and he had not responded to any of the medical or alternative interventions. Blood testing revealed positive antibodies for thyroid and hypothyroidism, as well as reactive hypoglycemia. He also tested positive for gluten. His immune system showed an imbalance relating to the T helper cells.

He was put on a gluten-free diet and Wei Laboratories herbal formulas (Brown, LC Balancer, & Java) to modulate his immune system. Within 3 weeks all of his symptoms resolved, his energy increased, memory and cognitive function improved, and he had no thyroid symptoms even though he was not taking thyroid medication. Most notably his hearing improved which was verified by an audiologist.

Ingredient List

JAVA

- Cortex Moutan
- Fructus Corni
- Poria
- Radix Aconiti Lateralis Preparata
- Radix Rehmanniae Preparata
- Rhizoma Dioscoreae
- Rhizoma Alismatis
- Ramulus Cinnamomi

LC BALANCER

- Ganoderma Lucidum
- American Ginseng
- Gynostemma

BROWN

- Fructus Crataegi
- Fructus Lycii
- Rhizoma Alismatis
- Rhizoma Polygonati
- Semen Cassiae

THYROGIN

- Fructus Forsythiae
- Rhizoma Belamcandae

SOUP B

- Bulbus Lillii
- Radix Codonopsis
- Poria
- Radix Ophiopogonis
- Rhizoma Dioscoreae
- Thallus Laminariae
- Sweet Rice

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Research

Wei Laboratories offers a full-range of Chinese herbal supplements to address hundreds of health conditions.

The herbal formulas are determined through the following research process:

- The individual herbs being selected are based on their TCM descriptions and the pharmacological/clinical research publications.
- The use of certain herbal combinations for a specific condition is based on clinical research publications on the successful treatment of the condition utilizing those herbs, our accumulated knowledge, and the practitioner's previous feedback.

Clinical testing of the formula with practitioners undergoes the following process:

- The herbal formula will be tested with practitioners in their clinic for a specific condition which is defined by the TCM and Western diagnosis.
- After obtaining 6 consecutive positive patient outcomes, we will launch the formula for that specific condition.
- Practitioners may continue their clinical testing for other indications and give us their positive feedback. We will then make further testing on those indications with other practitioners until we have 6 consecutive positive patient outcomes before we include the new indication.

Wei Labs has had many practitioners who have participated in this process and have given us valuable feedback in the past twenty years. Some of these practitioners include:

- Dennis Sievers, DC, Kinesiologist, VA; Ronald Mullen, LAC, NC; Brian Hess, DC, VA; Marylin Coady, DC, Functional Medicine, NM; Kamau Kokayi, MD/LAC, NY; John Filippini, DC, Functional Medicine, CA; Charles Lewis, ND, AR; Ayla Wolf, DAOM, MN

Manufacturing Process

Here's why you can always be confident in Wei Laboratories products.



US BASED WHOLESALEERS

All of Wei Laboratories herbal ingredients are purchased through US based wholesalers who must meet the FDA guidelines to sell in the US.



CLEAN INGREDIENTS

Wei Laboratories manufacturing of the products not only meet the FDA requirement, it exceeds it. For example, Wei Labs incorporates a sterilization process which ensures longer shelf-life without the use of any preservatives.



CGMP FACILITY

Wei Laboratories formulas are packaged and produced in a cGMP facility and follows all industry guidelines required by the FDA to ensure our products are top of the line.

Partnership Benefits

Your Vision is Our Focus

Our primary focus is benefiting your practice in as many ways as possible. Let us learn about your practice and vision, then work closely with you to design a comprehensive plan to help you achieve your success.



Marketing Support

Patient Referrals

Addition to Your Staff

Troubleshooting

In Office Marketing Brochures / Flyers

Commission