



KBMO DIAGNOSTICS

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JAMES WHITE CEO

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Dr. Kristi's 4 Part KBMO Series...

Introduction to FIT test in a Nutrition-based,
Integrative, or Functional Medicine Practice

Gut Health Cases and Gut Barrier Panel: May 11th

More Case Studies : June 15th

Ask Dr. Kristi... : July 13th



Introductory Discount and Account Sign up

- 1: Go to: <https://kbmodiagnostics.com/new-to-KBMO/>
- 2: Sign up and Please quote: Kristi Hughes for discount: FIT 176: \$375 **Kristi discounted to \$200**
- 3: KBMO will email you New Account Form (NAF)
- 4: Fill out the NAF, email or scan back to KBMO and you are registered ! We will send out the kits.





Become the Gardener of Your Tree of Life

Lifestyle and Behavior Change

Sleep, Rest, Movement, Fitness, Resilience, Hydration, and Nutrition



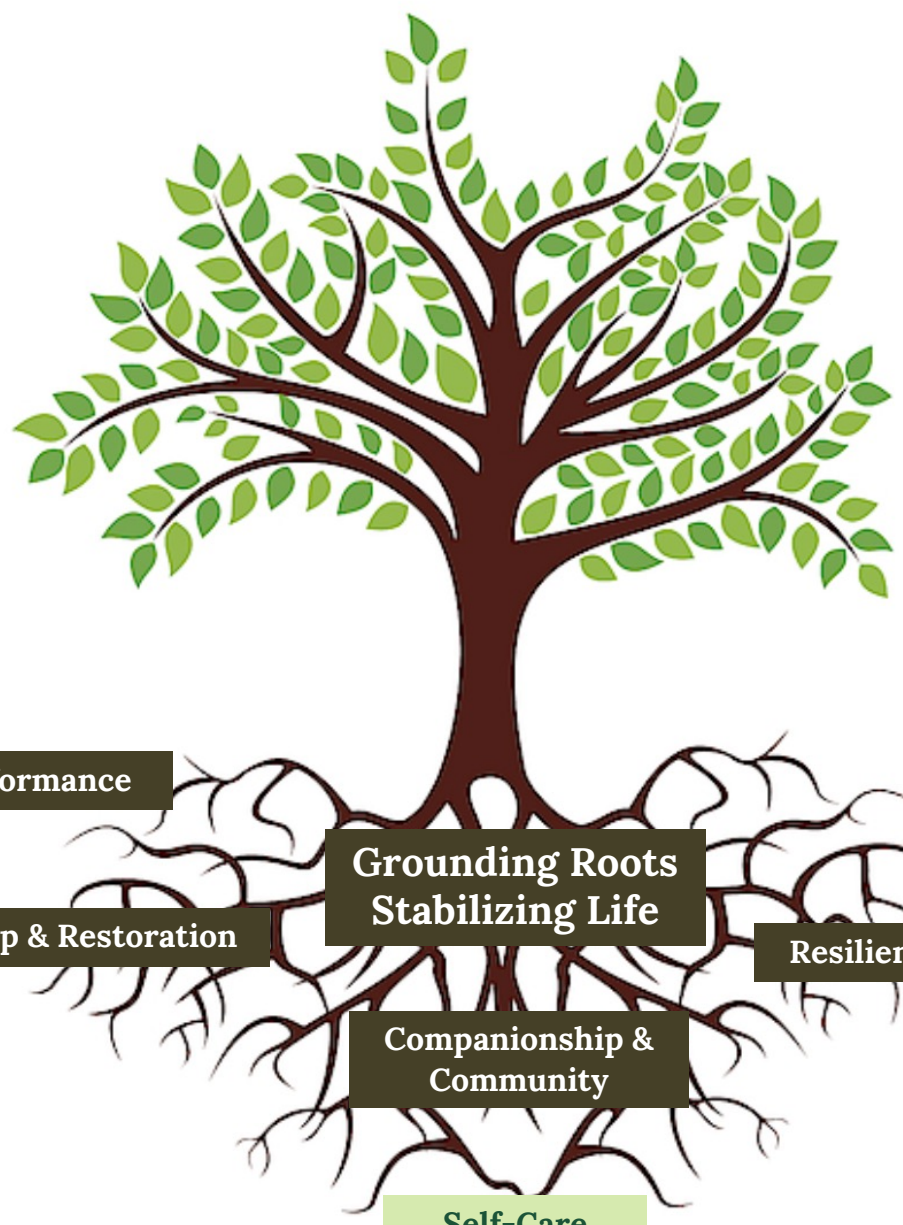
Physical Health & Wellbeing

Mindset & Mental Health

Response & Emotional Health

Grounding
Roots

Soil ~ Feeds and Nourishes your Vital Life Force



Movement & Performance

Nourish & Hydrations

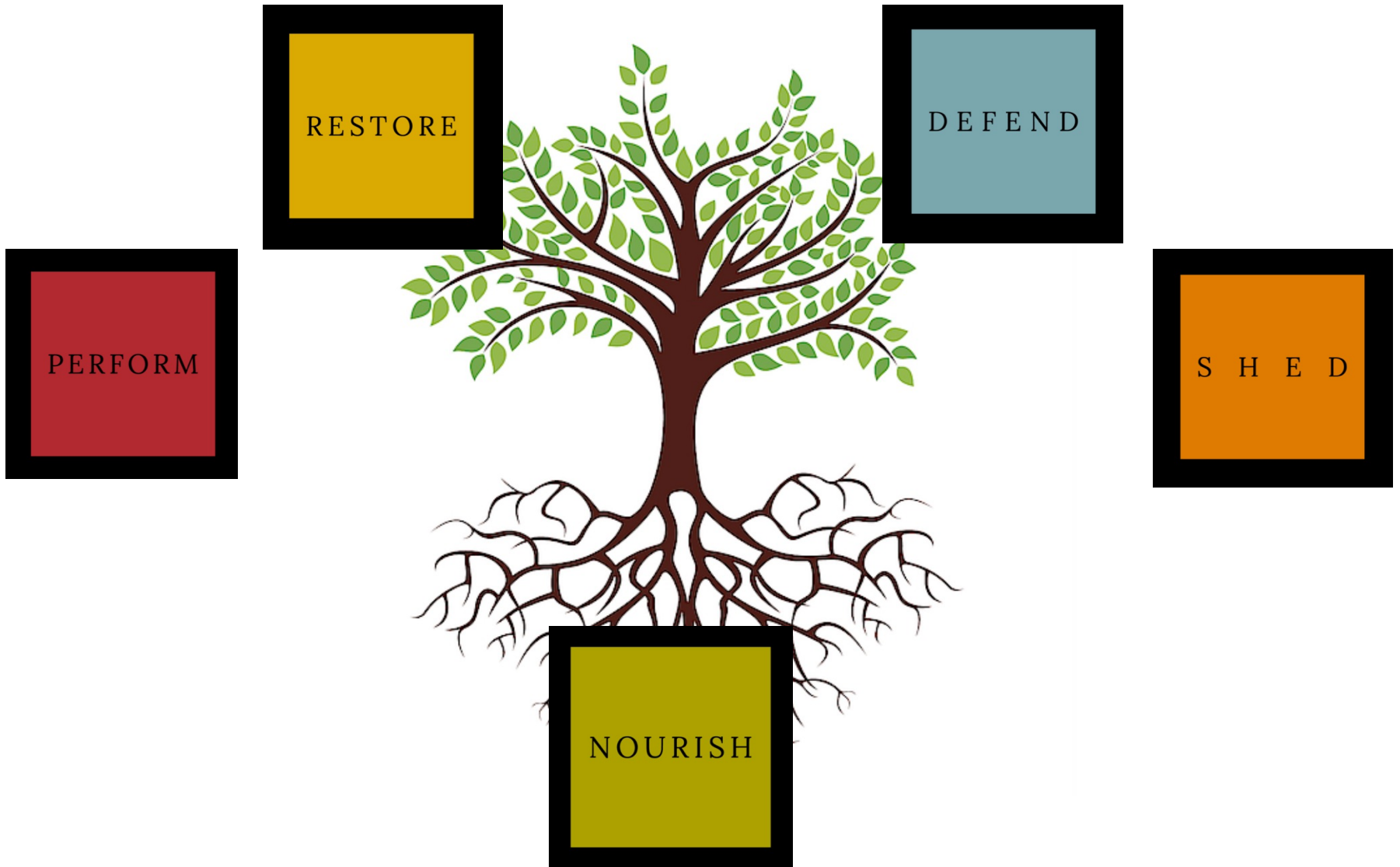
Sleep & Restoration

**Grounding Roots
Stabilizing Life**

Resilience & Defense

**Companionship &
Community**

Self-Care



Return to Wellness & Root-cause Care

PERFORM

- Improve performance, strength, stamina, and exercise recovery

RESTORE

- Manage injuries and trauma to optimize repair and recovery

NOURISH

- Ensure you have your basic nutrition needs covered

DEFEND

- Minimize inflammation and address allergenic reactions

SHED

- Shed the weight and fluid retention with effective formulations

PERFORM

RESTORE

DEFEND

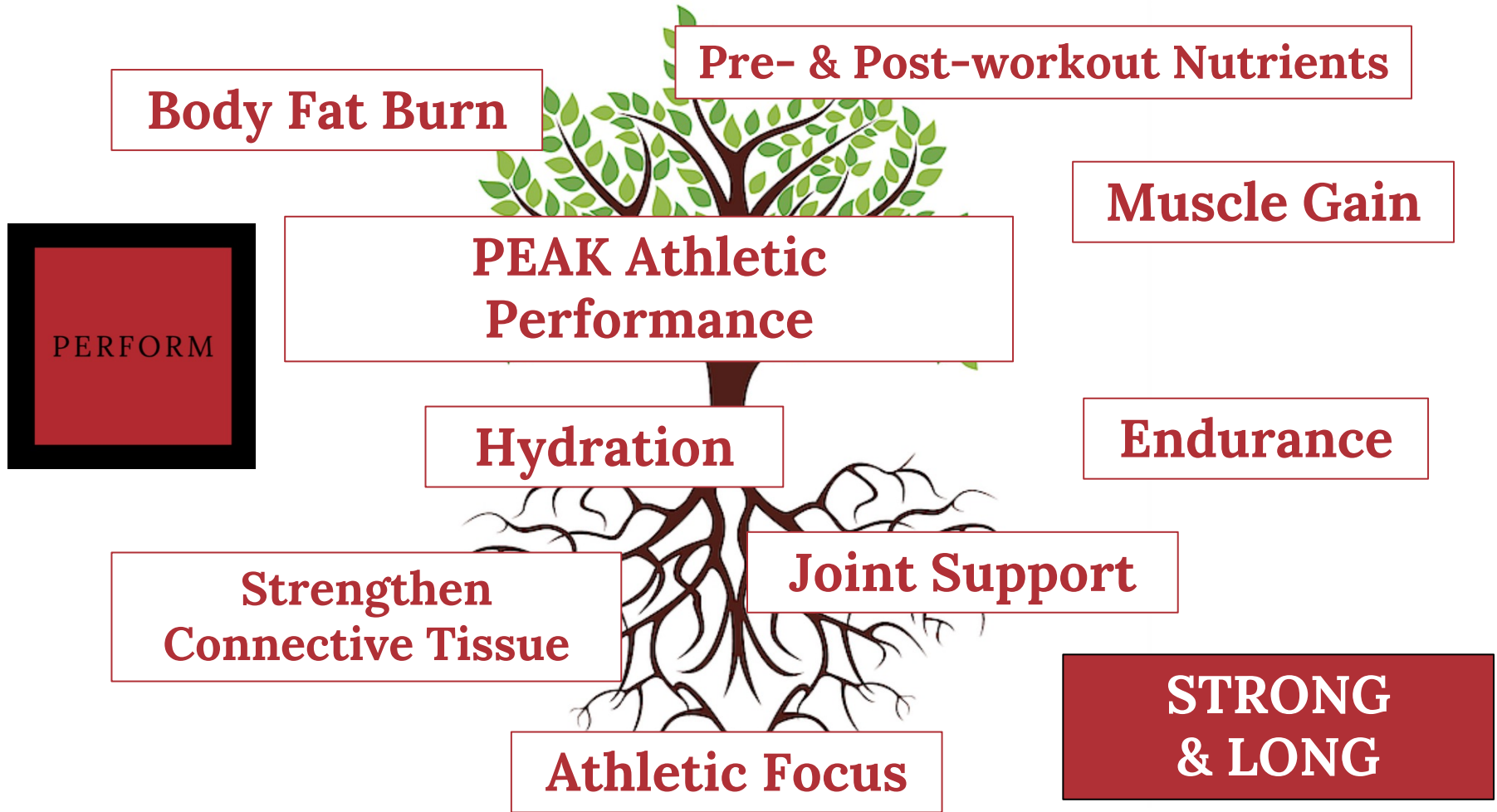
S H E D

**STRONG
& LONG**

**BROKEN
& TIRED**

**INFECTED
& INFLAMED**

**TOXIC &
SWOLLEN**



PERFORM

RESTORE

DEFEND

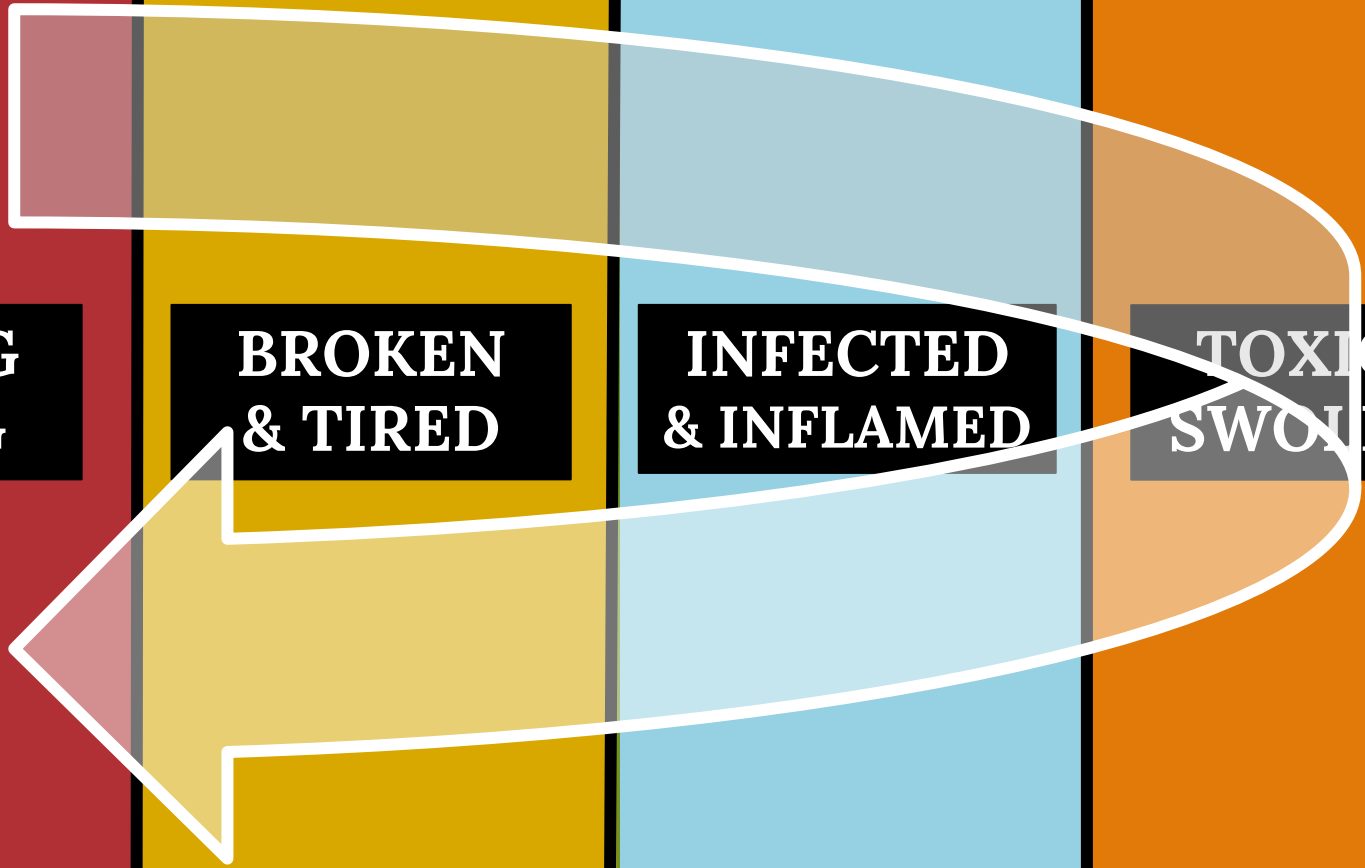
S H E D

**STRONG
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RESTORE

Bone Density and Strength

Gut Restoration

Thyroid Support

Tissue Regeneration

Brain & Neuro Repair

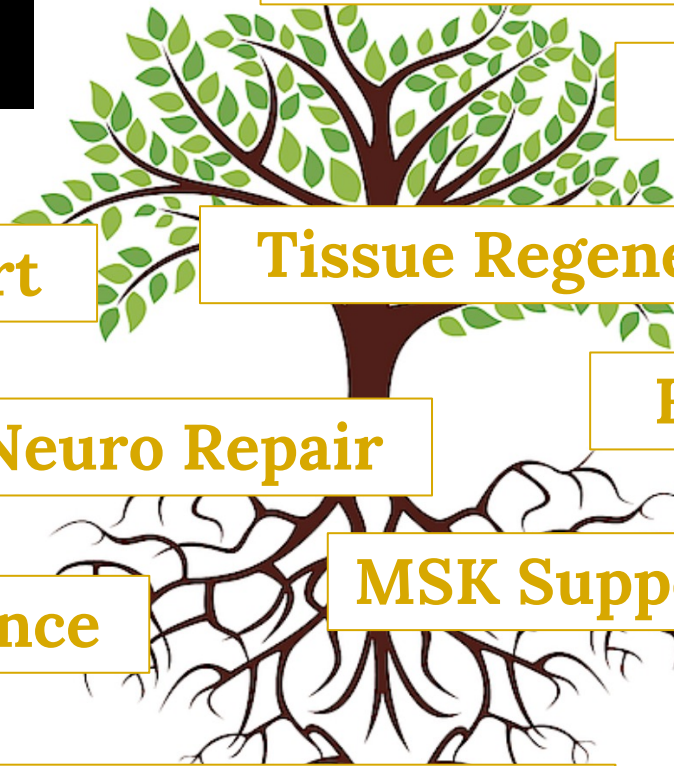
Fatigue Recovery

Stress Resilience

MSK Support and Recovery

Cellular Energy Production

BROKEN
& TIRED



Localized Inflammation

DEFEND

Microbiome Balance

Immune Resilience

Lyme and TBD

Systemic Inflammation

Mycotoxin Load

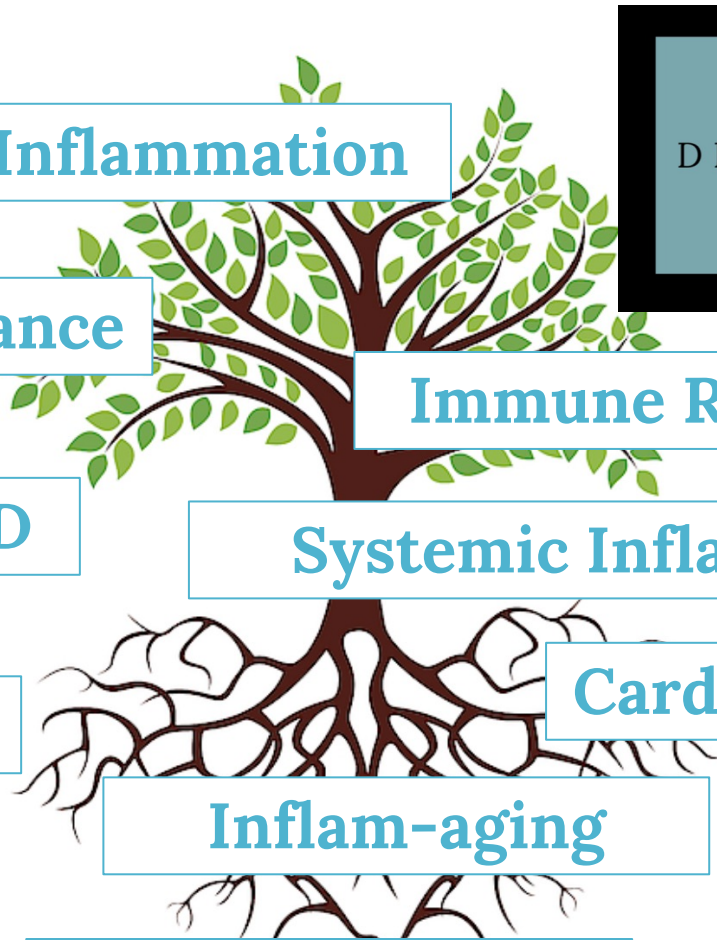
CardioMetabolic

Inflam-aging

Infections

Hyperinsulinemia

**INFECTED
& INFLAMED**



Kidney Support

Liver Detox

Lymphatic Drainage

Weight Cut

**Detoxification &
Biotransformation**

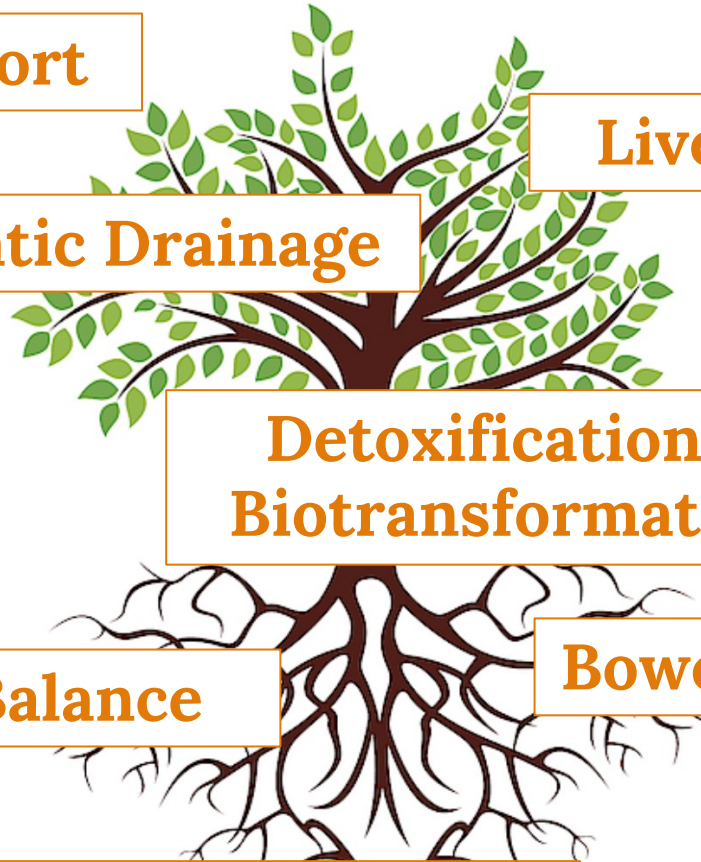
S H E D

Hormone Balance

Bowel Cleanse

Estrogen Metabolism

**TOXIC &
SWOLLEN**



Food Intolerances or Food Triggers

Depression

Mood Swings

Fatigue

Cravings

Rashes

Itching

Insomnia

Water Retention

Autoimmune Disease



Nasal Congestion

Indigestion

Bloating

Constipation

Muscle Aches

Joint Pain

Headaches

Under Eye Dark Circles

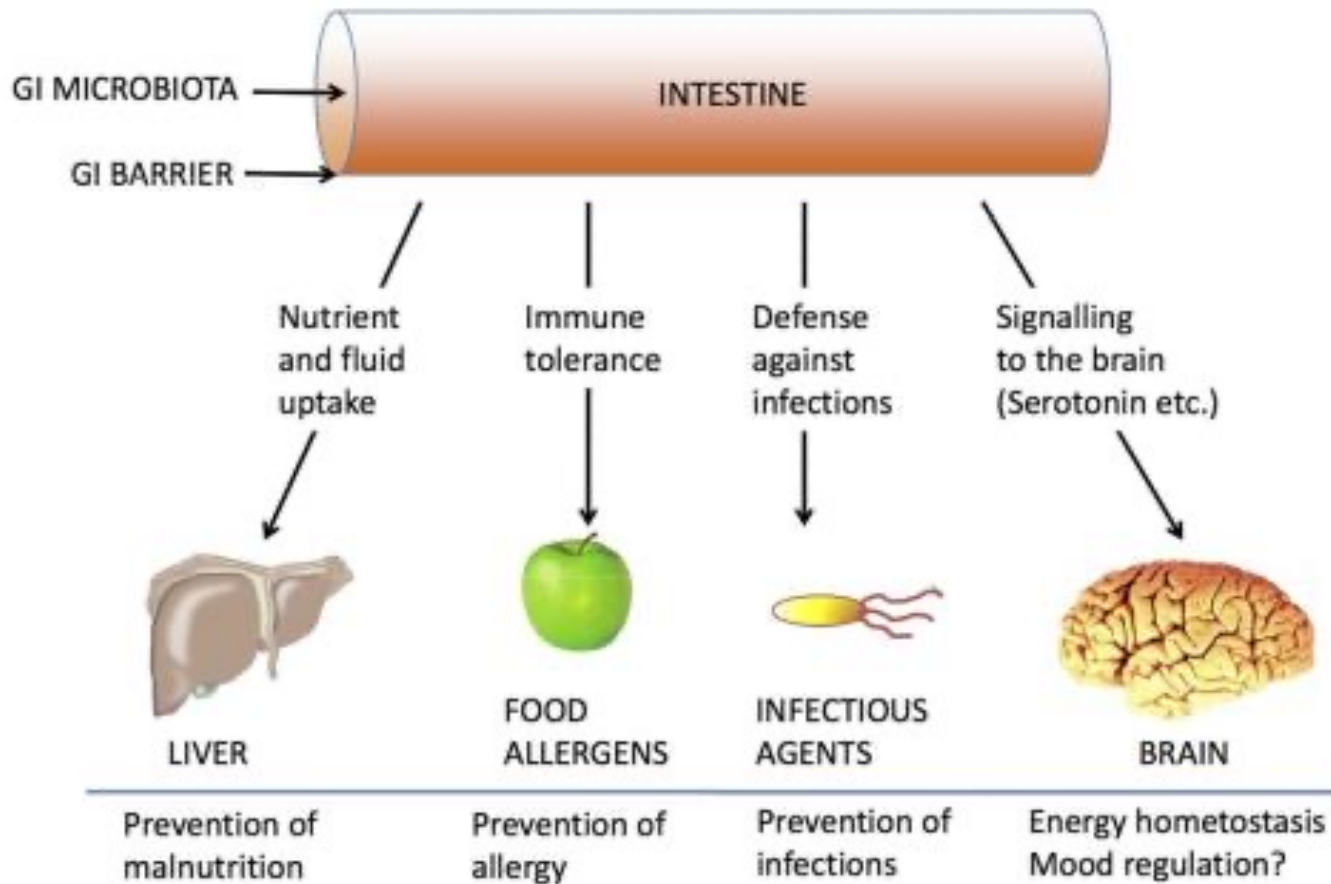
IFM Definitions

Food allergy: Immunologic IgE-mediated type 1 hypersensitivity

Food sensitivity: Immunologic reaction to food (IgA or IgG-mediated delayed hypersensitivity)

Food intolerance: Non-immunologic reaction to food (e.g. lactose intolerance)



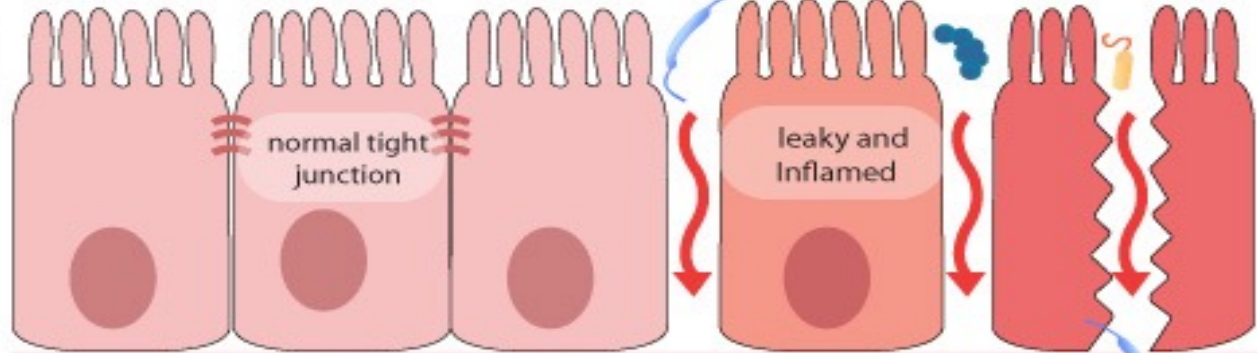


Leaky Gut Syndrome

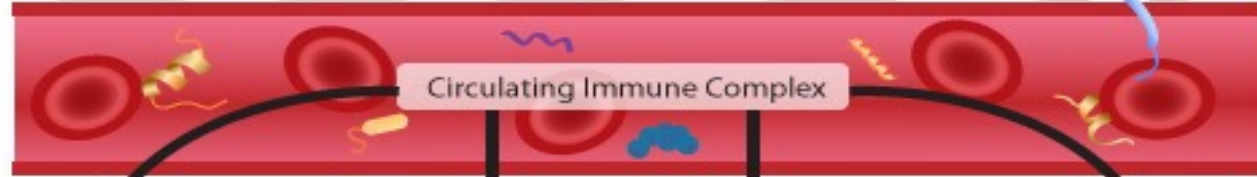
Triggers Causing
Inestinal Damage



Intestinal
Mucosal Cells



Blood Stream



Blood Brain
Barrier Breach

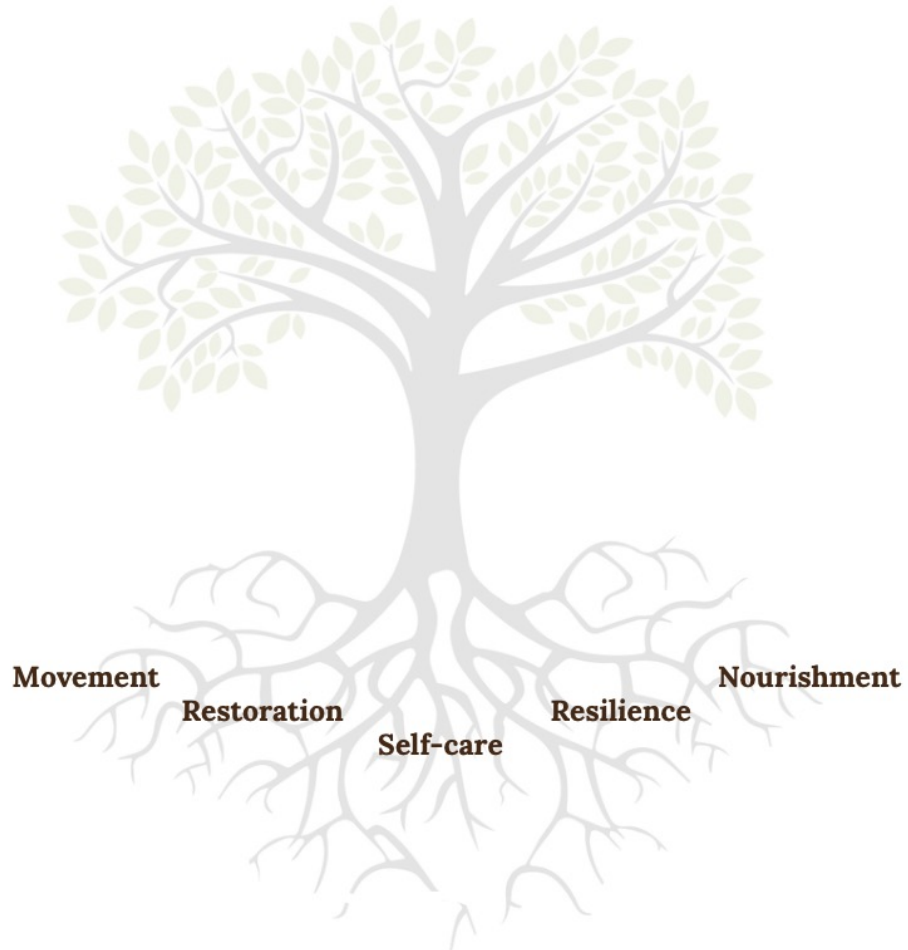
Inflammation

Autoimmunity

Malabsorption
& nutrient deficiency

Tree of Life Health & Lifestyle Assessment

Current Health Concerns



Why KBMO?



The FIT Test: KBMO Diagnostics

- Founded in 2004 by Dr Brent Dorval MIT Founder of Rapid HIV Diagnostic
- 20,000 sq ft of buildings on a campus outside of Boston MA
- ISO 13485 certified quality and FDA registered Manufacturing Facility and CLIA High Complexity Labs
- Patent Granted October 2012: Detection of Antigen Specific Immune Complexes: #8,309,318
- Owner of the C3d Cell Line and lyophilization technology to ensure quality and consistent results traceability of the foods
- First company to achieve COFEPRIS and AMVISA certification and growing internationally



When do Provider's use the FIT Test?

- **If my patient is struggling to**
 - Lower Inflammation
 - Improve Body Composition
 - Lose weight
 - Address Autoimmune Challenges
 - Manage Chronic Pain
 - Reduce Fluid Retention
 - Improve Immune Resilience

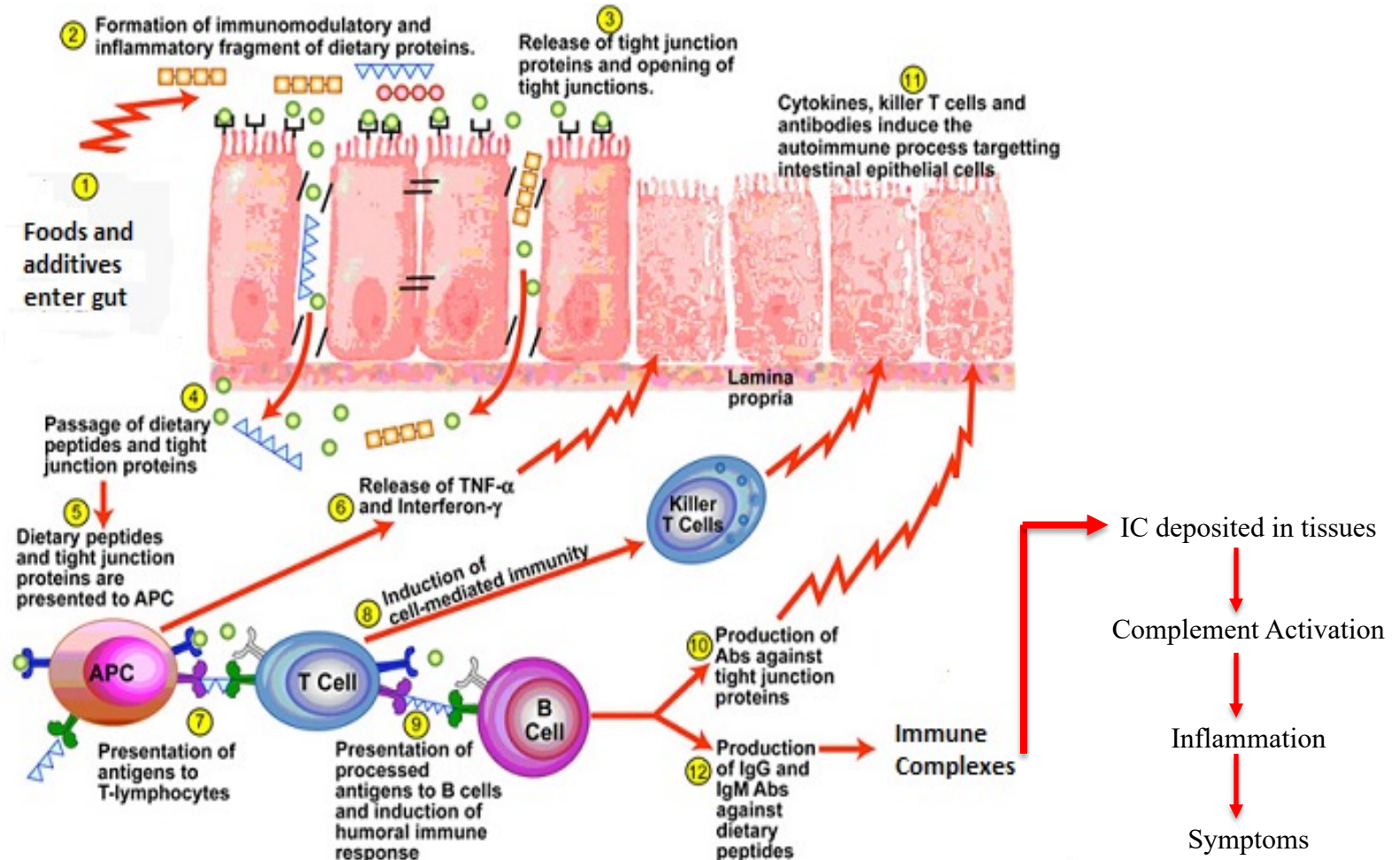


When do Provider's use the FIT Test?

- **If my patient has**
 - Thyroid Problems
 - Migraines
 - Arthritis
 - Brain fog
 - Fatigue
 - Digestive/gut issues
 - Skin problems



The FIT Test: Immune Complex Formation



Modified from Ari Vojdani © 2009

The FIT Test Employs Dual Pathway Measurement

Acquired Immunity: Measures Antibody IgG 1-4

Immunoglobulin G (IgG) is the main immunoglobulin circulating in human blood and helps protect us from infection and outside antigens.

There are four subclasses: IgG1, IgG2, IgG3, and IgG4.

IgG1 responds to new food antigens.

IgG2 and IgG3 react to cell surface oligosaccharides of viruses, protozoa, and foods, which can be allergenic.

IgG4 is commonly related to delayed food sensitivity symptoms. IgG can also activate the complement system to recruit an inflammatory response.



The FIT Test Employs Dual Pathway Measurement

Innate Immunity: Measures Complement C3d

Complement activation is a major cause of inflammation.

The complement pathway will aggressively attack and clear threats, such as bacteria, viruses, protozoa, and allergens. It is part of our innate system, meaning that we are born with this immune defense mechanism.

When activated, the complement pathway sets off a domino effect of inflammatory cytokines, mast cell degranulation, and cell membrane destruction.

It is a powerful protective force but can damage tissues if not kept under control.

Complement is a quantifiable, reliable biomarker of tissue inflammation.

Complement serves as a link between the innate and adaptive immune response.

This is because complement uses immunoglobulins to help identify dangerous molecules that should be destroyed. IgG1, IgG3, and IgM can activate complement.

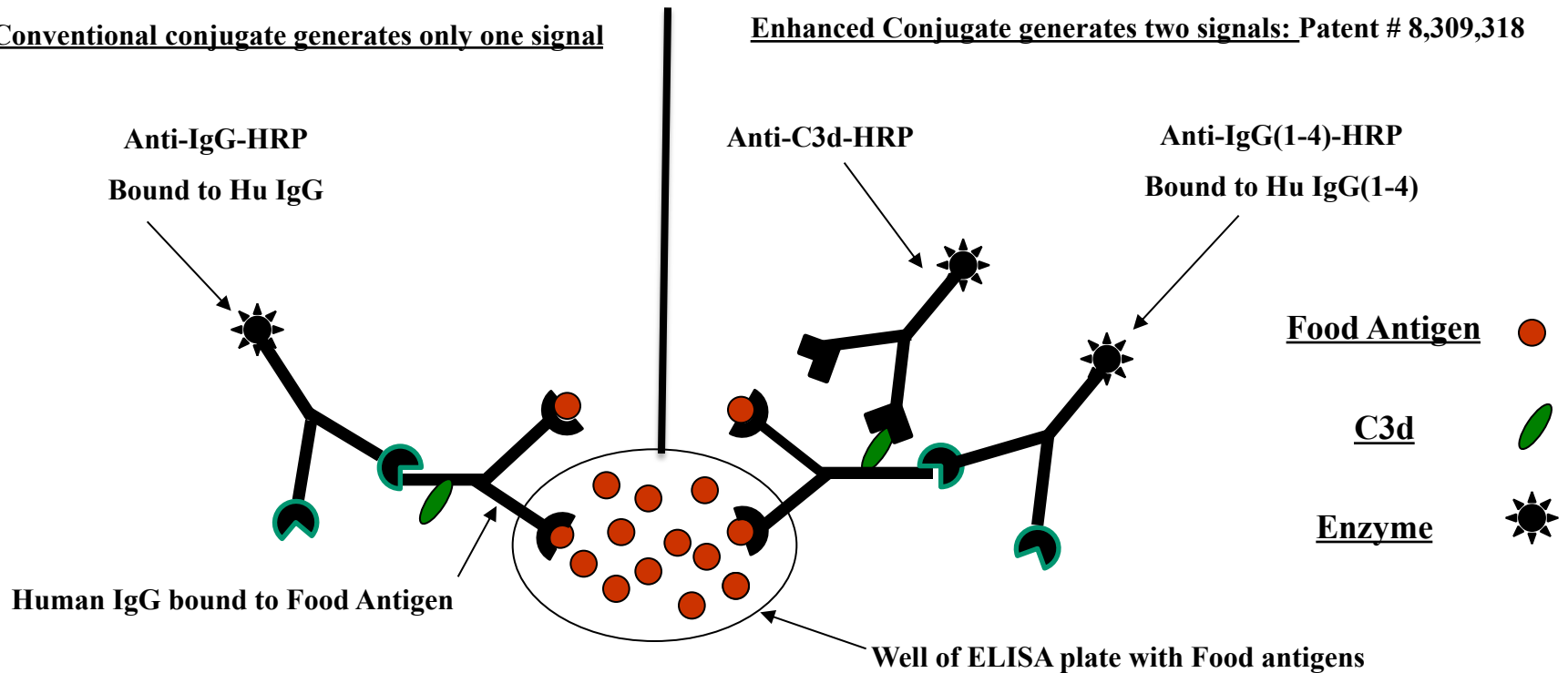


The FIT Test: Format and Technology Showing Enhanced Sensitivity

Comparison of conventional conjugate: anti-IgG with enhanced conjugate: anti-IgG(1-4) and anti-C3d

Conventional conjugate generates only one signal

Enhanced Conjugate generates two signals: Patent # 8,309,318



The FIT Test: **Why** Practitioners Use It

“The Immune Complex Issues and Inflammation that can be associated with foods are an underlying problem for all of the chronic conditions I see on a daily basis.”



New Advanced Tests

FIT 176 (includes GB Panel)

Gut Barrier Panel

FAST Test





Foods We Test



Dairy

Casein
Cow's Milk
Goat's Milk
Egg Yolk
Egg White
Sheep's Milk
Whey

Grains

Amaranth
Barley
Buckwheat
Gliadin
Millet
Oat
Quinoa
Rice
Rye
Sorghum
Spelt
Wheat, Gluten
Wheat, Whole

Fruits

Acai Berry
Apple
Apricot
Avocado
Banana
Blueberry
Cantaloupe
Cherry
Cranberry
Eggplant
Fig
Kiwi
Goji Berry
Grapefruit
Honeydew
Melon Lemon
Lime
Mango
Monk Fruit
Olive, Green
Onion, White
Orange
Papaya
Peach
Pear
Pineapple

Plum
Pomegranate
Raspberry
Strawberry
Watermelon

Additives

Aspartame Benzoic
Acid BHA
MSG
Polysorbate 80
Red #3
Red #40
Saccharin
Stevia
Yellow #6

Vegetables

Artichoke
Arugula
Asparagus
Beets
Broccoli
Brussel Sprouts
Butternut Squash
Cabbage
Carob
Carrot
Cauliflower
Celery
Cilantro
Collard Greens
Corn
Cucumber
Kale
Lettuce
Parsley
Pea, Chick
Pea, Green
Pepper, Green
Potato, Sweet
Potato, White
Pumpkin
Spinach
Summer Squash
Tomato
Zucchini

Microbes

Candida
Yeast, Baker's
Yeast, Brewer's

Beans

Black Bean
Cocoa
Coffee
Green Bean
Kidney Bean
Lentils
Navy Bean
Pinto Bean
Soybean

Spices

Basil
Cinnamon
Cloves
Cumin
Garlic
Ginger
Hops
Mustard
Oregano
Paprika
Pepper, Black
Pepper, Chili
Peppermint
Rosemary
Turmeric
Vanilla

Fish

Anchovy
Codfish
Flounder
Halibut
Mackerel
Sardine
Salmon
Snapper
Swordfish
Trout
Tuna

Meats

Beef
Bacon
Chicken
Duck
Lamb
Pork
Turkey
Venison

Extracts &

Miscellaneous

Agave
Canola Oil
Coconut Oil
Hemp Protein (CBD)
Honey
Maple Syrup
Mushroom
Spirulina
Sugarcane
Tapioca
Tea, Black
Vinegar
Wine, Red

Seeds

Chia Seed
Dill Seed
Flax Seed
Hemp Seed
Sesame Seed
Sunflower Seed

Shellfish

Clam
Crab
Lobster
Oyster
Scallops
Sea Bass
Shrimp
Squid

Nuts

Almond
Brazil nut
Cashew
Coconut
Cola Nut
English
Walnut
Hazelnut
Macadamia Nut
Peanut
Pecan
Pine Nut
Pistachio

Test Key

FIT 22- 
FIT 132-  
FIT 176- All Foods Listed

Gut Barrier Panel included on every FIT 132 and 176



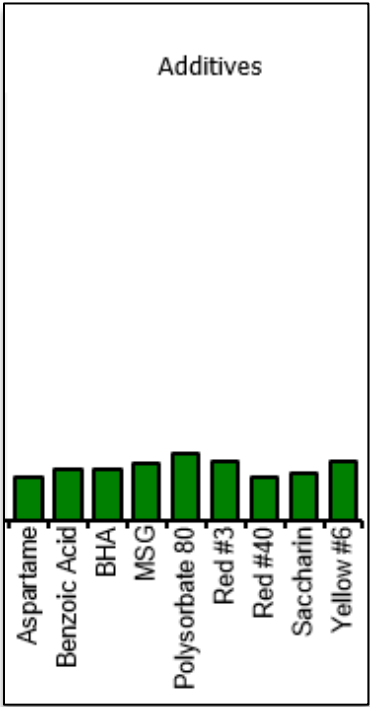
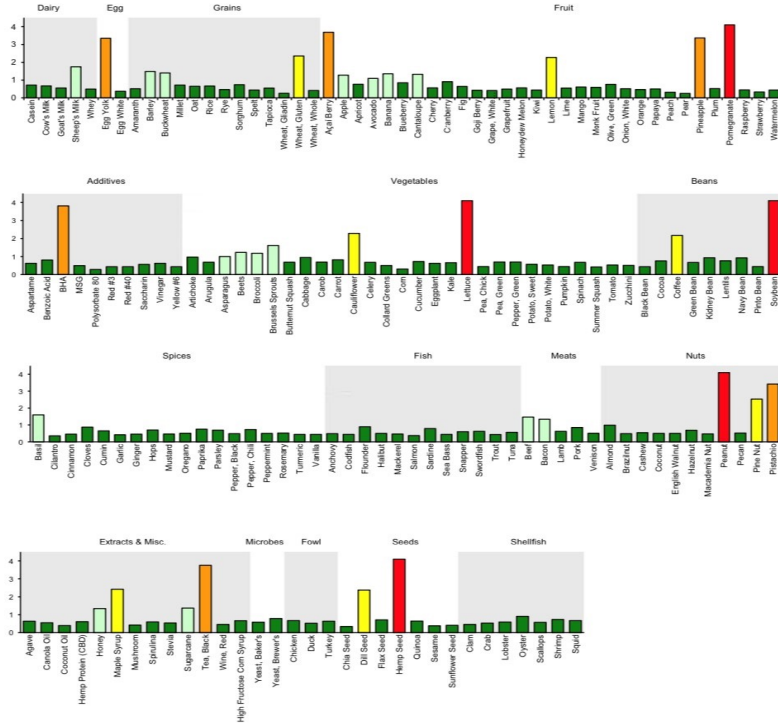
The FIT Test: Patient Report



Name:
Provider:
Sample Type:
Date Drawn:
Date Completed:

PATIENT 1
DOCTOR 1
Serum
01/01/2020
01/01/2020

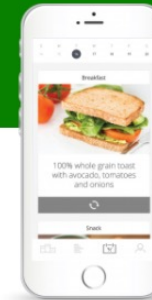
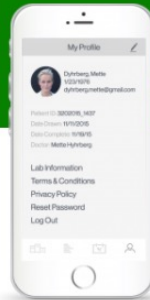
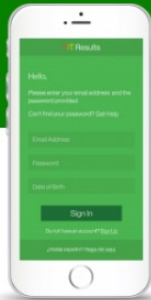
Severe Reaction 4+
High Reaction 3+
Moderate Reaction 2+
Mild Reaction 1+
No Reaction Negative



The FIT Test: Phone App

Mobile App

We offer a mobile app to patients, available on both iOS and Android devices. The mobile app allows patients to take their results on -the-go. Patients can also view their meal plan on the app. The app allows patients constant, convenient access to their test information.



The FIT Test: Meal Plan

Day	Breakfast	Snack	Lunch	Snack	Dinner
Sunday	Cashew Nut Milk; Almonds; Cinnamon; Oatmeal	Hazelnuts	Grilled Shrimp; Salad greens; Cucumbers; Tomatoes; Celery; Beets; Onions; Olives; Sunflower Seeds	Guacamole; Zucchini Spears	Grass fed beef; Mashed sweet potato; Cauliflower
Monday	Smoothie; Almond Milk; Avocado; Blueberries; Pea, Green; Flax Seeds	Cashews	Grilled Chicken; Onions; Ginger; Cucumber; Cabbage leaf wrap	Salsa; Zucchini Spears	Flounder; Asparagus; Broccoli
Tuesday	Yeast Free Whole Grain Toast; Sunflower Seed Butter; Cinnamon	Celery; Hummus	Lettuce Wrap; Turkey; Avocado; Cucumbers; Hummus; Olives	Almonds	Ground Chicken; Sesame; Asparagus; Zucchini noodles; Collard Greens
Wednesday	Plain Coconut Milk Yogurt; Cinnamon; Pecans; Vanilla	Hazelnuts	Turkey Soup; Zucchini noodles	Avocado; Olive oil, Sea salt	Stir Fry; Organic tofu; Garlic; Sesame; Ginger; Broccoli; Cashews; Shredded Cabbage
Thursday	Rice Milk; Cinnamon; Sunflower Seeds; Vanilla; Oatmeal	Broccoli; Hummus	Chick Peas; Tuna; Onions; Garlic; Tomatoes; Cucumbers; Sunflower Seeds	Celery; Cashew Nut Butter	Ground turkey meatballs; Tomato Sauce; Pinto beans; Side salad of greens with slivered almonds
Friday	Avocado; Tomatoes; Yeast Free Whole Grain Toast	Cashews	Steak Tips; Salad greens; Beets; Artichoke Hearts; Sesame seeds	Hazelnuts	Cauliflower; Collard Greens; Salmon
Saturday	Hazelnut Butter; Cinnamon; Coconut, Shredded; Almond Flour Pancakes	Almonds	Clams with garlic and olive oil; Tomatoes; Kidney Beans; Stew	Cucumber Slices; Hummus	Pork Tenderloin; Lentil salad: tomato, cucumber & lentils; Zucchini; Onions

Health warning: Please know that this example for your personalized healthy meal plan was created based on the FIT test results ONLY. No further medical information has been available to our team. Please contact your physician before implementing any new dietary regiment.



The New 44 Foods for the 176

Dairy

Sheep's Milk

Grains

Amaranth

Buckwheat

Gliadin

Sorghum

Spelt

Fruits

Acai Berry

Apricot

Eggplant

Fig

Kiwi

Goji Berry

Mango

Monk Fruit

Papaya

Additives

Stevia

Vegetables

Arugula

Brussel Sprouts

Cilantro

Kale

Parsley

Summer Squash

Beans

Green Bean

Black Bean

Spices

Cloves

Cumin

Fish

Anchovy

Mackerel

Sardine

Meats

Venison

Extracts & Miscellaneous

Coconut Oil

Hemp Protein (CBD)

Honey

Maple Syrup

Tapioca

Vinegar

Seeds

Chia Seed

Hemp Seed

Shellfish

Oyster

Squid

Nuts

Brazil nut

Macadamia Nut

Pine Nut

Pistachio



Food Sensitivity or Leaky Gut =
Gut Barrier Panel

Which came first



FIT: Gut Barrier Panel (GBPanel)

Gut Barrier Panel		
	IgG1-4+C3d	IgA1-2
Candida	Negative	Negative
Zonulin	Positive	Positive
Occludin	Positive	Positive

FIT 132 + FIT 176 INCLUDE THE GB Panel



NEXT Gen Zonulin.....

Zonulin IgG Antibody Screening Assay featuring unique recombinant Zonulin Protein

Launch March, 2022: Exclusive to KBMO

Zonulin: Measures Zonulin IgG Antibody a more stable and specific marker than Zonulin Protein and a similar positivity rate per Dr. Fasano's Lancet Letter

Test Format: ELISA assay using serum or Blood Spot as this is the sample type used in all Fasano's Research

Dream Development Team

Dr. Alessio Fasano: Discovered Zonulin and partnering with KBMO

Dr. Brent Dorval: Developer of the first rapid HIV Diagnostic

**FIT 132 + FIT 176 INCLUDES THE
ZONULIN SCREENING ASSAY**



FIT: Gut Barrier Panel (GBPanel)

Gut Barrier Panel		
	IgG1-4-C3d	IgA1-2
Candida	Positive	Positive
Zonulin	Negative	Positive
Occludin	Negative	Negative
LPS	Positive	Negative



FIT 132 + FIT 176 INCLUDE THE GB Panel

The FIT Test: Conclusions

- Patented Multi pathway detection technology broadly adapted
- Best in Class patient compliance tools
- Excellent clinical outcomes backed by IRB Approved clinical study
- New Products Developed by World Class Scientists and Physicians



New Practitioner Materials

Treatment Protocols: Biotics, NutriDyn Nutritional Frontiers

Videos: Launch: 4mins Dr Silverman: 18mins

Patient Report for FIT 132, 176 and GB Standalone

Patient Trifold

Foods We Test

Website: [Gut Barrier Panel - KBMO Diagnostics](#)

App Completed



Introductory Discount and Account Sign up

- 1: Go to: <https://kbmodiagnostics.com/new-to-KBMO/>
- 2: Sign up and Please quote: Kristi Hughes for discount: FIT 176: \$375 **Kristi discounted to \$200**
- 3: KBMO will email you New Account Form (NAF)
- 4: Fill out the NAF, email or scan back to KBMO and you are registered ! We will send out the kits.



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