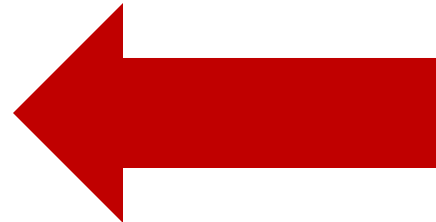
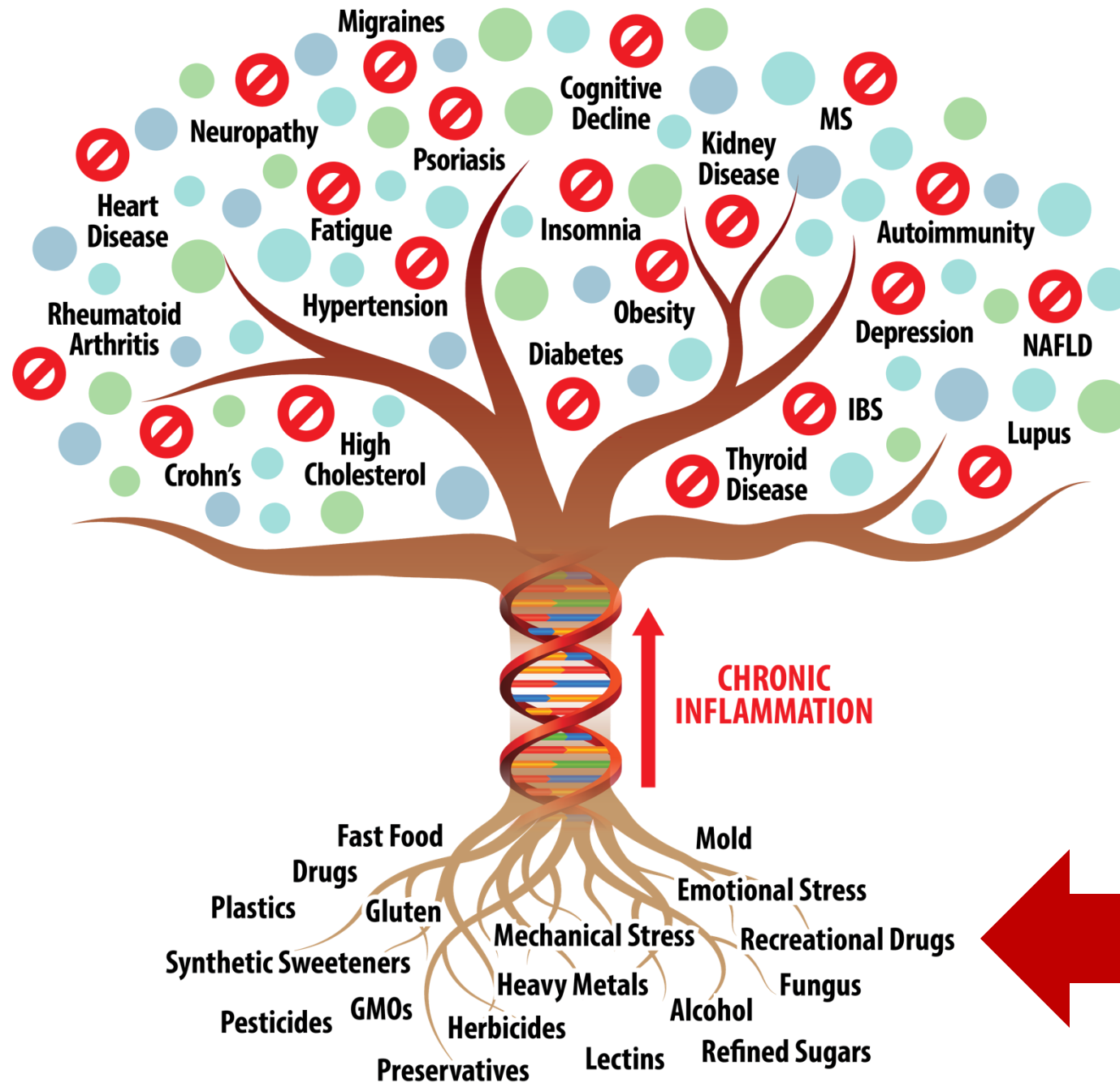


Casual Friday Series

The 5 Most Common Labs We Run And Why

A BIOGENETIX CLINICAL PRESENTATION
biogenetix.com





Testing Protocol Design

1. What conditions does this patient present with?



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2. What are the features of their unique case?

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Testing Protocol Design

1. What conditions does this patient present with?
2. What are the features of their unique case?
3. Are there contributing circumstances/other factors?
4. Are there unexplained symptoms?
5. Has anyone ever looked for a cause?

Pre-Testing

Intake paperwork:

- Stats
- Historical information
- Targets
- Meds and supplements
- What have you already looked at?

Today's Date _____

New Patient Application and Case History

Name _____ Age _____ DOB _____ Sex: M F SSN _____ - _____ - _____

Address _____ City _____ State _____ Zip _____

Email _____ Home/Cell Phone _____

Occupation/Employer _____ Length of employment _____

How did you hear about us? _____

Present Complaints

1. My main health problems are _____

2. Which of your main problems is/are the most concerning? _____

3. You, more than anyone else, know most about your health condition. In your own words and opinion, why do you think your health problems exist? _____

4. How often are you aware of your health problems?
 I never really notice them.
 I rarely notice them, maybe monthly.
 I notice them sometimes, maybe weekly.
 I definitely notice them, maybe daily.
 I am constantly dealing with them.

5. How severe are your health problems?
 Minimal: I can mostly do whatever I want.
 Slight: I can usually push through my day.
 Moderate: It's challenging getting through my day.
 Severe: I'm having a very difficult time functioning day to day.
 Extreme: I can hardly function in my life anymore.

6. Have others noticed or commented on your health? Y N What have they said? _____

7. Has your health caused you to lose time or miss out from the following? (Please provide a brief description.)
Work? Y N _____
Family? Y N _____
Leisure? Y N _____
Other: _____

8. What measures (diet or exercise programs, counseling, medical programs, Google, WebMD, etc) have you tried? _____

Test 1

Lab Access:

- Blood is cash service using LabCorp, through Evexia.
- Identifies current status
- Check the major organs and glands
- Inflammatory process
- Insufficiency/deficiency
- Identify future risks



evexiadiagnostics.com

Blood Chemistry:



Biogenetix General Screen

- Add additional testing as desired
 - Testosterone profile
 - Female Hormone profile
 - NMR Lipoprofile
 - APOE status
 - HLA DR DQ

Test Code	Test Name
005009	Complete Blood Count (CBC) With Differential
322000	Comprehensive Metabolic Panel (CMP-14)
120766	C-Reactive Protein (CRP), High Sensitivity (Cardiac Risk Assessment)
324741	Ferritin + Iron + Total Iron-binding Capacity (TIBC)
001610	Fibrinogen Activity (Factor I Activity)
001958	Gamma-Glutamyl Transferase (GGT)
102525	Hemoglobin (Hb) A1c With eAG
706994	Homocysteine
001115	Lactic Acid Dehydrogenase (LD / LDH)
346644	Lipid Panel + VLDL + Non-HDL Cholesterol + TC/HDL Ratio
001537	Magnesium
001024	Phosphorus
006684	Thyroid Antibodies (Thyroglobulin Antibody + Thyroid Peroxidase (TPO) Antibody)
000620	Thyroid Profile With TSH
002188	Triiodothyronine (T3)
377200	Urinalysis, Complete w/ Micro. Exam (Reflex to Urine Culture, Comp)*
081950	Vitamin D, 25-Hydroxy



Test 2

Specialty Testing:

- Gut issues?
- Genova Diagnostics
- GI Effects – 1 day sample
 - Commensal
 - Parasites, worms
 - Bacterial pathogens
 - Inflammation profiles
 - Metabolic profiles



[BACK TO RESULTS](#)

GI Effects Comprehensive Stool Profile - 1 day

DESCRIPTION	ANALYTES	REQUIREMENTS	ORDER INFO	SAMPLE REPORTS
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Clinician Pricing: \$439.00 Test Type: "Kit-Based, Stool" [Order in EvexiaLink™](#)

Turnaround Time: 17 Days

Category / Performing Lab: Genova Diagnostics

The GI Effects Comprehensive Stool Profile can reveal important information about the root cause of many common gastrointestinal symptoms such as gas, bloating, indigestion, abdominal pain, diarrhea, and constipation. This stool analysis utilizes biomarkers such as Calprotectin to differentiate between Inflammatory Bowel Disease (IBD) and Irritable Bowel Syndrome. In addition, the GI Effects test can be used to evaluate patients with a clinical history that suggests a gastrointestinal infection or dysbiosis.

Gut microbes are codependent with one another and with their human host, and the health of one affects the other. A sizeable volume of research associates a dysbiotic, or imbalanced gut microbiome with multiple disease states both within and outside of the GI tract. The diverse metabolic activities of the microbiome ultimately impact the human host, and the activities of the human host ultimately affect the health of their microbiome.

- GI Effects is a comprehensive assessment of complete GI health, assessing the root cause of most gut complaints by combining **PCR**, **culture**, and **microscopic methods** to ensure any and all relevant organisms are identified.
- GI Effects **recovers live organisms** (yeast and bacteria) for susceptibility testing and improved treatment options.

Test 3

Specialty Testing:

- Hormone Symptoms?
- DUTCH
- DUTCH Complete
 - Adrenal stress hormone profile
 - Metabolites vs serum
 - Sex hormone cascade
 - Organic Acids

[BACK TO RESULTS](#)

DUTCH Complete

DESCRIPTION

ANALYTES

REQUIREMENTS

ORDER INFO

SAMPLE REPORTS

ADD TO CART

Clinician Pricing: \$300.00

Test Type: "Kit Based"

Turnaround Time: 8-10 days

Category / Performing Lab: Precision Analytical

HOW DOES DUTCH COMPARE TO OTHER HORMONE TESTS?

DUTCH vs. Saliva Testing – While the free cortisol pattern in saliva has clinical value, there is a significant missing piece to surveying a patient's HPA-Axis function with saliva testing – measuring cortisol metabolites. To properly characterize a patient's cortisol status, free and metabolized cortisol should be measured to avoid misleading results when cortisol clearance is abnormally high or low. Likewise with sex hormones, measuring estrogen and androgen metabolites gives a fuller picture for more precise clinical diagnosis of hormonal imbalances and HRT monitoring.

DUTCH vs. Serum Testing – While the most universally accepted testing method (due to the availability of FDA-cleared analyzers that are reliable and inexpensive), serum testing is lacking in some areas. Adrenal hormones cannot be effectively tested in serum because free cortisol cannot be tested throughout the day. There is also a lack of extensive metabolite testing (especially for cortisol and estrogens).

DUTCH vs. 24-Hour Urine Testing – There are two primary drawbacks to 24-hour urine testing of hormones. First, the collection is cumbersome, and as many as 40% of those who collect, do so in error (Tanaka, 2002). Secondly, dysfunction in the diurnal pattern of cortisol cannot be ascertained from a 24-hour collection. Some providers add saliva for daily free cortisol. DUTCH eliminates the need for two tests.

WHY USE DUTCH? The Easiest Patient Collection: Patients collect just four or five dried urine samples over a 24-hour period. Dried samples are stable for several weeks making them convenient to ship

Test 4

Specialty Testing:

- Chronic inflammatory disease
- Total tox burden
- Metals, farming chemicals, parabens, plastics, mycotoxins

Total Tox Burden Test

Get Started

At Home Test Available

Toxic exposure is a reality of our daily lives, but toxic overload can stress our bodily systems and manifest in various ways. Toxins can lead to elevated oxidative stress and increase demand on the body's detoxification pathways, particularly in the liver. When the liver can't adequately eliminate toxins or infectious byproducts, these toxins can clog up normal detox pathways and lead to a range of chronic inflammation symptoms. If you're experiencing multiple chronic symptoms and can't lose weight despite diet and exercise, you could be carrying a high toxic burden.

Sample Type

Urine

[Explore Collection Instruction](#) →

What's included

✓ Sample Collection Kit

✓ Comprehensive Personalized Report

✓ Free Sample Return Shipping

Test 5

Specialty Testing:

- Food Allergy, Sensitivity
- FAST88
- IgE, IgG, compliment activation
- Unrelenting gut symptoms, AI, barrier systems dysfunction

[BACK TO RESULTS](#)

88 Food Allergy and Sensitivity TEST (FAST) (IgG, C3d/C3b, IgE, IgG4) - DBS

DESCRIPTION

[ORDER INFO](#)

[SAMPLE REPORTS](#)

[ADD TO CART](#)

Clinician Pricing: \$349.00

Test Type: "Kit Based - Dried Blood Spot "

Turnaround Time: 10-15 days

Category / Performing Lab: Infinite Allergy

Various Antibodies and Their Meaning

IgE (immunoglobulin E) allergies are the immediate responses to a foreign substance that has entered the body via food or inhalation. IgE allergies can cause very serious symptoms like difficulty in breathing, swelling, and hives. In more serious cases, IgE reactions can lead to anaphylactic shock. Our test measures the blood level of IgE, one of the five subclasses of antibodies. Antibodies are proteins made by the immune system that attack antigens such as bacteria, viruses, and allergens.

They can become confused or cross-reactive and begin attacking foods instead. High titers of IgE are associated with allergic reactions, which is when the immune system overreacts to environmental antigens such as pollen, pet dander, and/or parasitic infections.

IgG (immunoglobulin G, total) are antibodies that provide long-term resistance to infections and have a much longer half-life than an IgE allergy. This food sensitivity can be more subtle, and many people live with it for years, if not their entire lives. Sensitivity symptoms range from fatigue, headache/nausea, seizures, hyperactivity, bloating, mood changes, or dark circles under the eyes. IgG symptoms typically occur within 3-72 hours after the offending food was ingested and they will create ongoing inflammation that can make most conditions worse. Because they can present at such varied times, it is hard to isolate from a diet history alone, and testing becomes particularly useful.



Selection Strategy



