

It's Not "Just Lyme"

Pamela Hughes, DO

Hughes Center for Functional Medicine

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VIDEO: LIVING WITH LYME DISEASE

Living with Lyme Disease

A Patient's Obstacles



P PRIORITY MARKETING

Permission from patient and patient guardian provided.

Link to view video: <https://www.youtube.com/watch?v=iS8DOsw1kis&feature=youtu.be>



FOR FUNCTIONAL MEDICINE

“You can’t calm the storm, so stop trying.”

What you can do is calm yourself.

The storm will pass.”

-Timber Hawkeye

LYME AND CO-INFECTIONS ARE WIDE-SPREAD

- Over 300,000 new cases in US of tick borne illnesses yearly
- Avril Lavigne
- Yolanda Foster and Family
- Ally Hilfiger
- John Caudwell and Family
- George W. Bush
- Richard Gere

25X

THE NUMBER OF CASES REPORTED ANNUALLY HAS INCREASED NEARLY 25-FOLD SINCE NATIONAL SURVEILLANCE BEGAN IN 1982.

34

**CASES
PER HOUR**

822

**CASES
PER DAY**

STAGE I: ACUTE



- **Bull's Eye Rash — Erythema Migrans (EM)**
- **Fever, chills, flu-like symptoms**
- **Headache, muscle pain, joint pain, stiff neck**
- **The testing is often negative early; don't delay**
- **You can send the tick to be tested**
- **4-6 weeks of treatment; treat co-infections as well**

STAGE II: THE GREAT IMITATOR

- **Early disseminated — into lymph nodes and blood and can involve the joints, nervous system, and even the heart**
- **Meningitis, Bell's palsy, muscle weakness, diffuse rashes, neurologic changes, even delirium, POTS, endocarditis**
- **TAKE HOME: Think lyme and co-infections and treat for up to 4 months**

STAGE III: CHRONIC

- **Joint pains, body aches, focal hips, knees, neck**
- **Numbness/tingling arms/legs/hands/feet**
- **Difficulty concentrating, struggle finding words**
- **Extreme fatigue**
- **HALLMARK is cyclical symptoms**

BABESIA

- **Autonomic nervous system (ANS) — POTS, heart racing**
- **Significant cognitive dysfunction**
- **Shortness of breath — air hunger due to ANS**
- **Mood affected — fear and anxiety, emotional upheaval**
- **Headaches like a constant pressure in their head**
- **Drenching night sweats, chilled to bone**
- **Pain is NOT a predominant symptom**

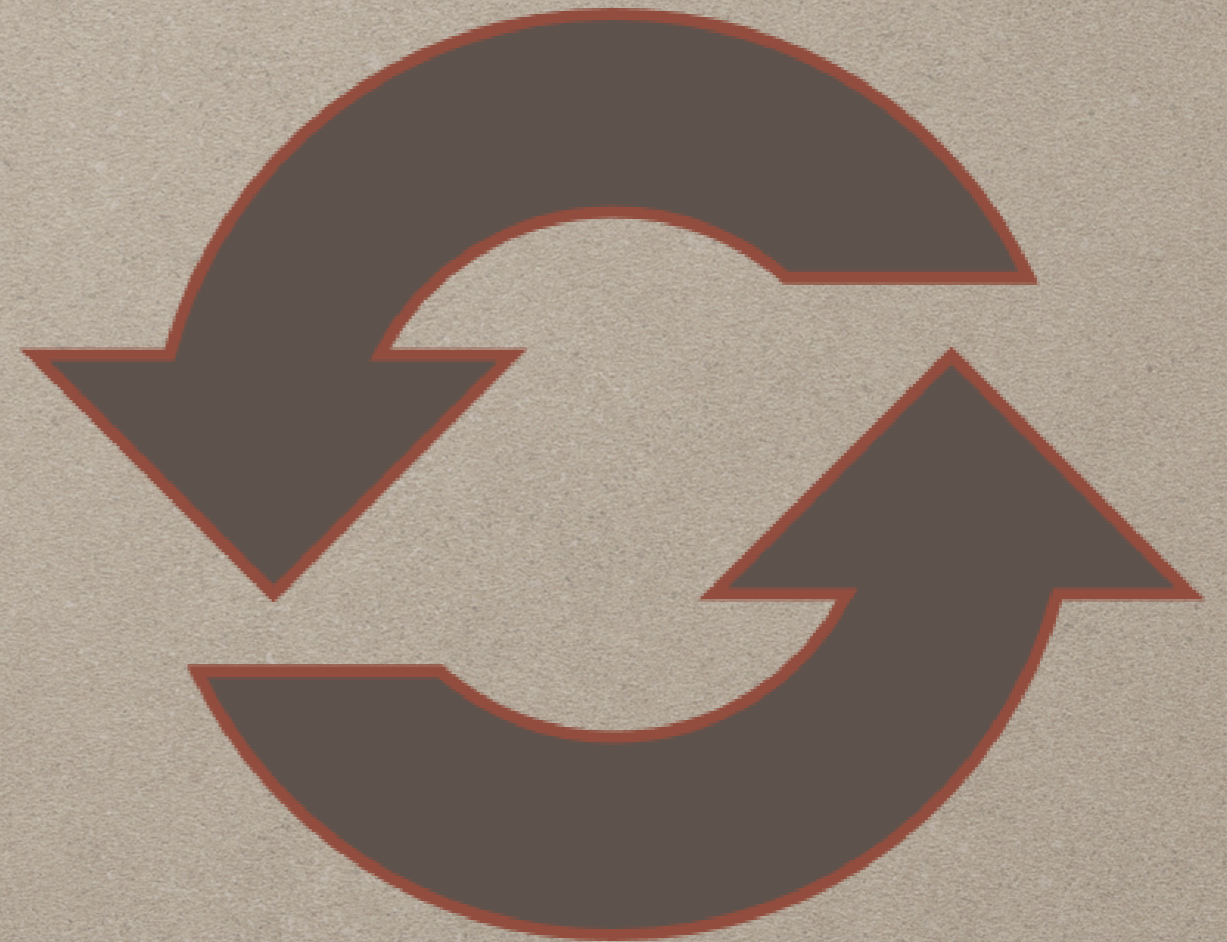
BARTONELLA

- Pain is predominant symptom — joint pain, bottom of soles
- Labile mood, often diagnosed as bipolar
- Striae — “stretch marks” flanks and abdomen
- Bladder dysfunction
- Lymphadenopathy
- Liver issues, pain, waxing and waning labs
- Headaches are chronic, ice pick, more severe
- Lots of back of neck/head/occipital pain



VICIOUS CYCLE

- The foreign antigens stay in the body
- The immune system constantly fights back
- Leads to inflammation in the body
- Leads to chronic illness and systemic symptoms
- The entire body suffers because of self-inflicted wounds



THE PERFECT STORM



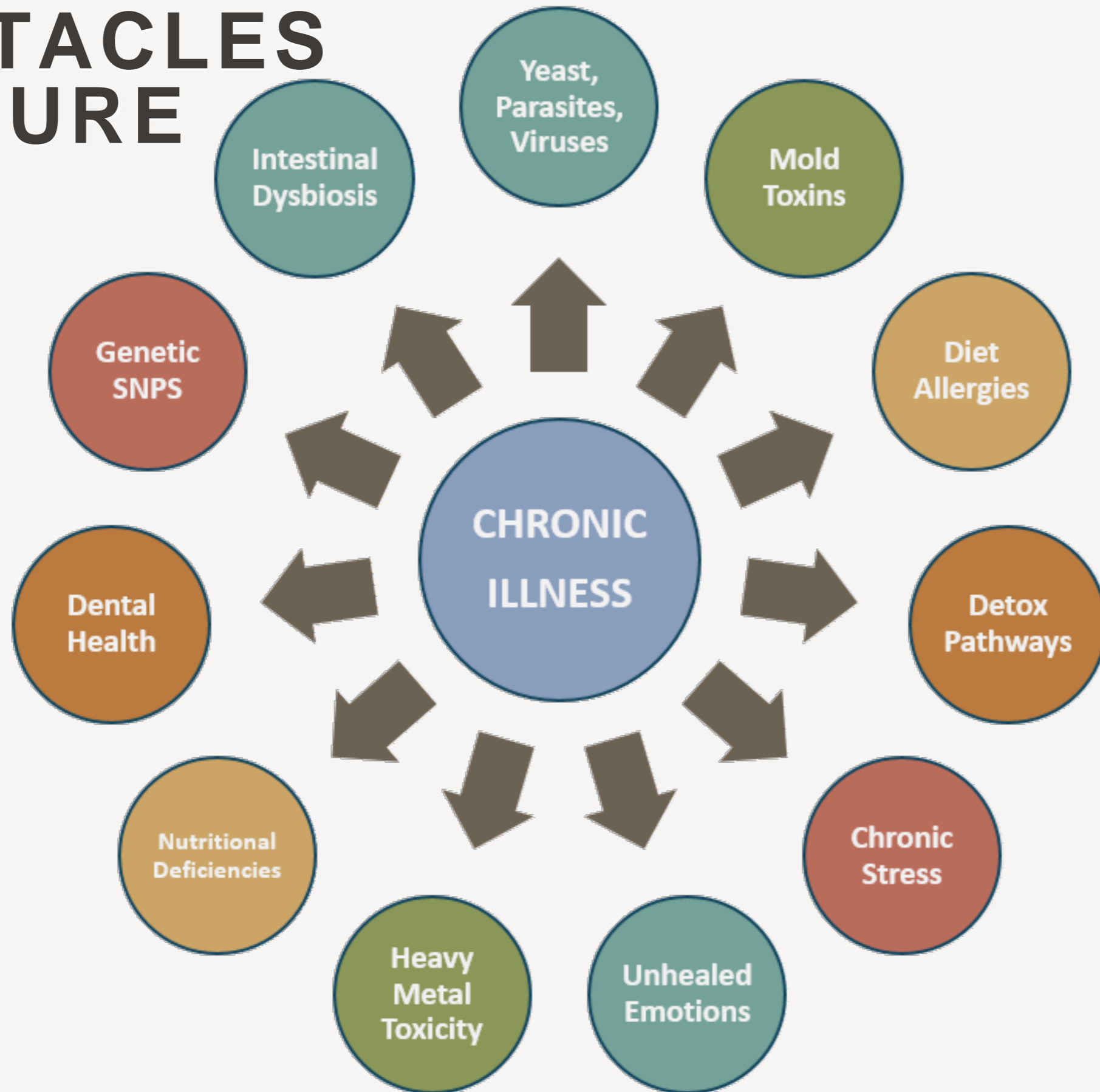
Pre-Existing
Weaknesses
+
Environmental
Stressors
+
Add Infections
=
Severity of
Symptoms
and
The “Crash”

TREAT THE TERRAIN

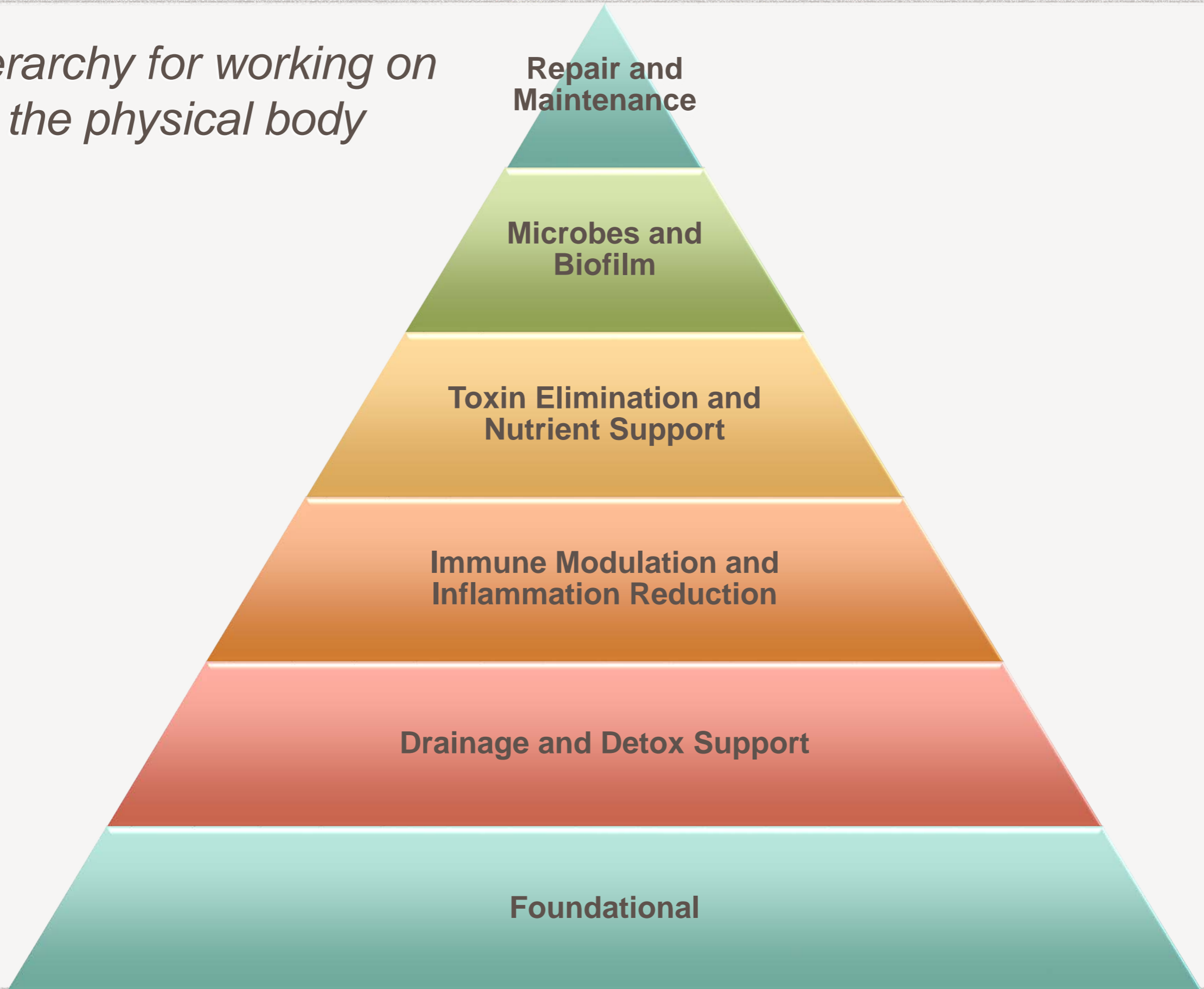
THE TERRAIN IS EVERYTHING

- **Louis Pasteur 1895: The more factors out of balance, the more chaos, the more infections have a milieu to thrive**
- **Lyme and other infections are simply a symptom; the disrupted immune system and terrain allow the bugs to flourish**
- **Cannot just kill the bug**
- **Lower the microbe count and heal the terrain so the immune system can take over**


OBSTACLES TO CURE



*Hierarchy for working on
the physical body*

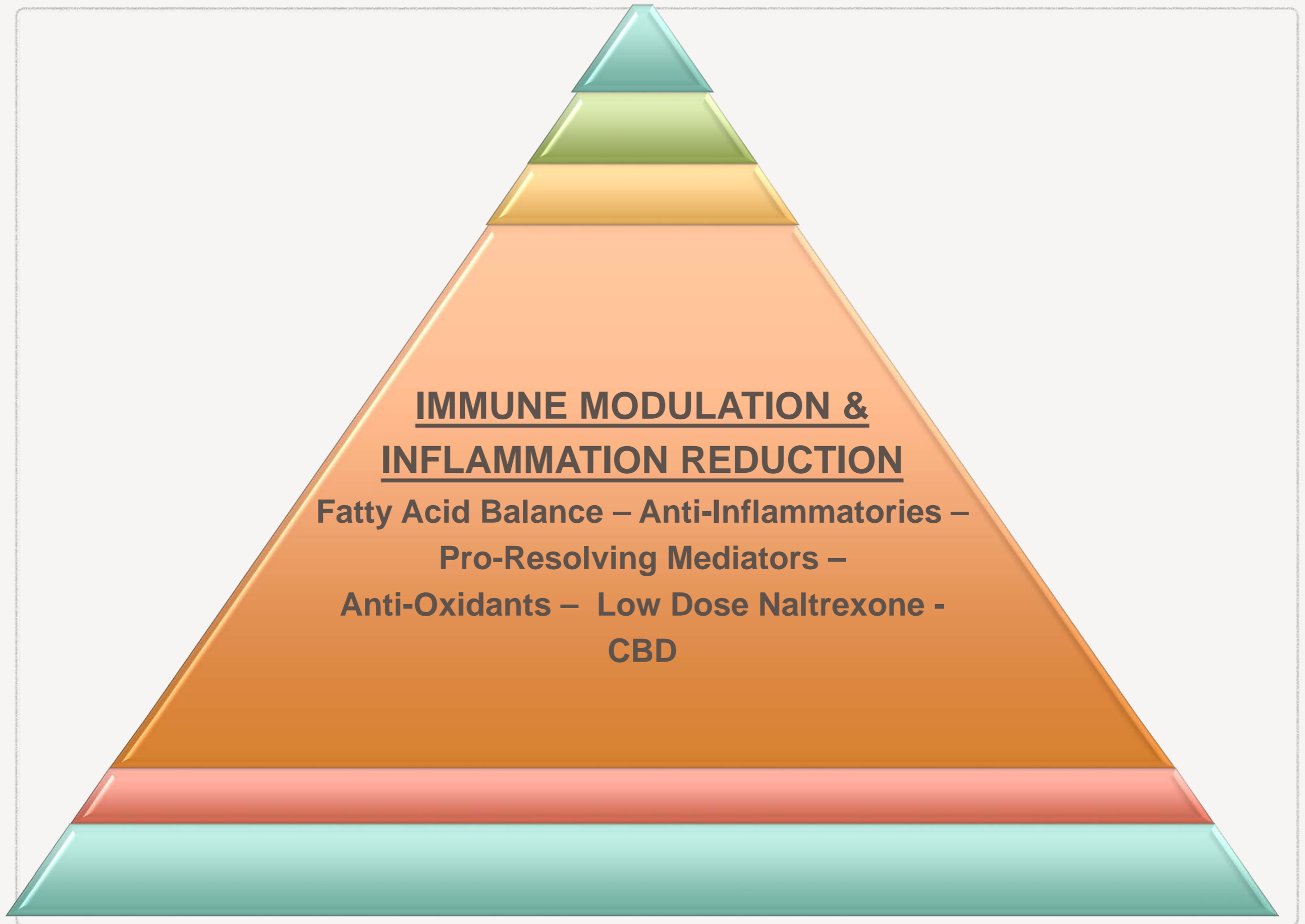


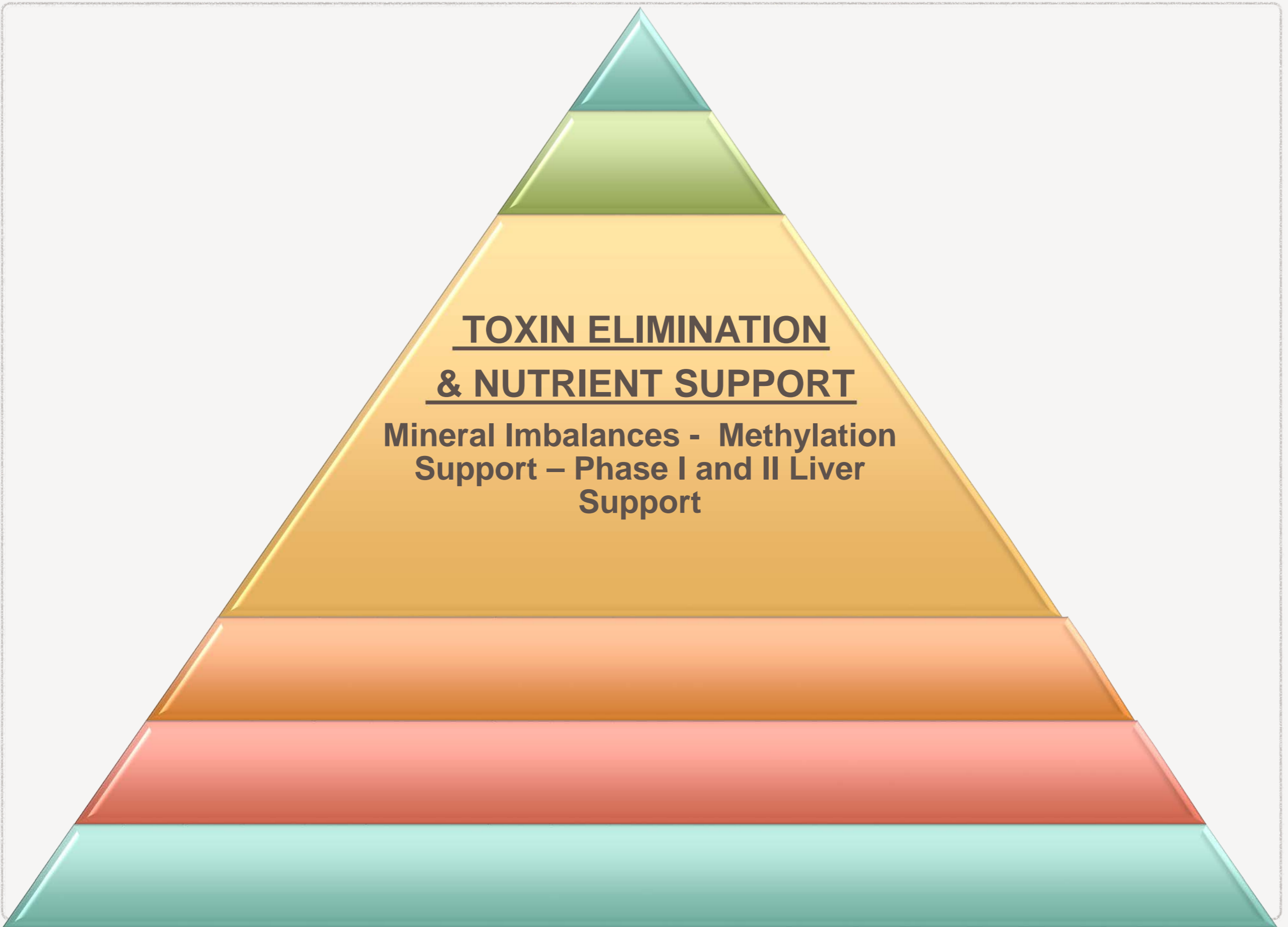


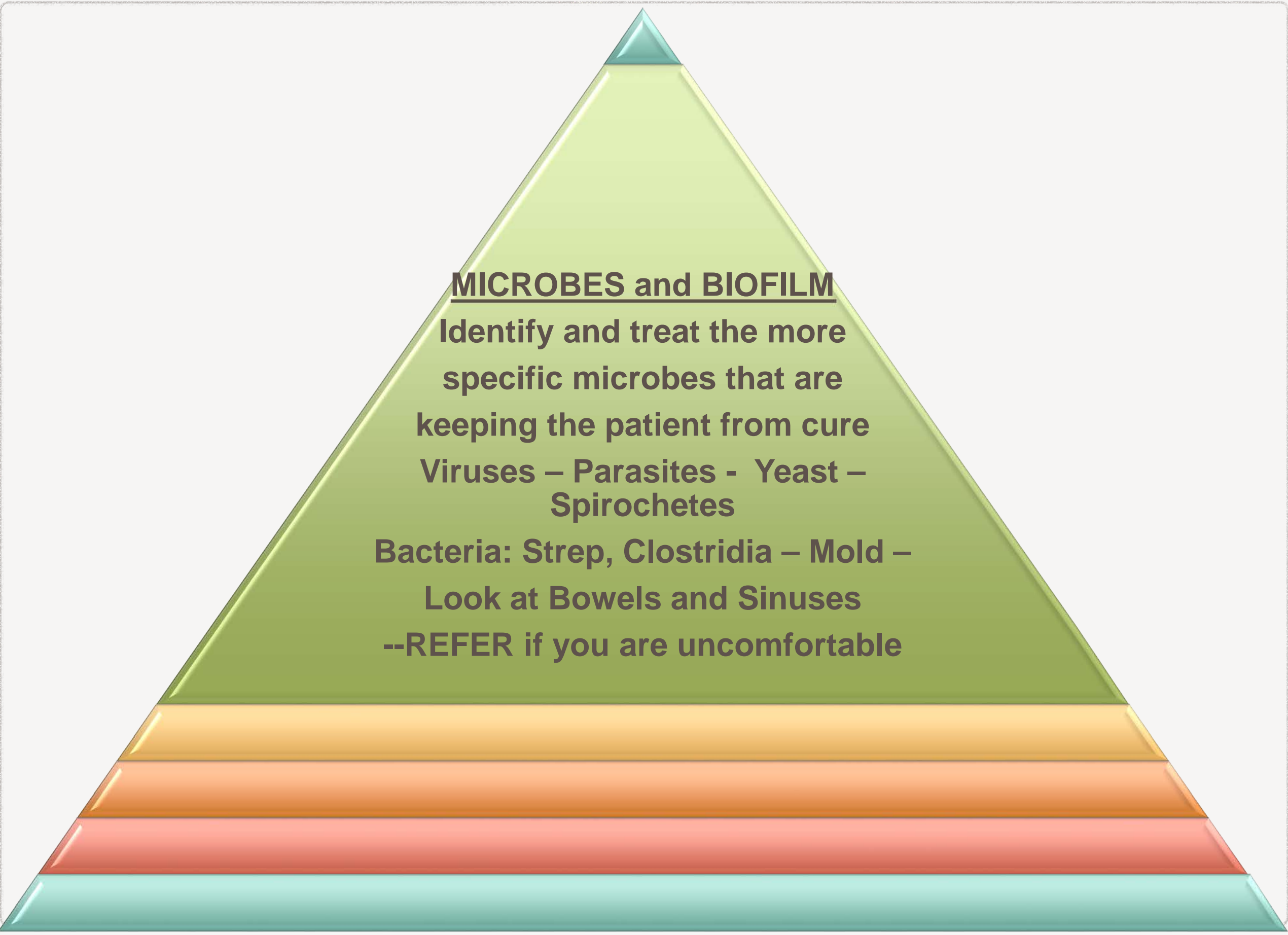


DRAINAGE &
DETOX SUPPORT

**Basic Nutrients – Hormone Balancing -
Organ & Mitochondrial Support –
Toxin Binders & Drainage Remedies –
Integrative Support**







MICROBES and BIOFILM

Identify and treat the more
specific microbes that are
keeping the patient from cure

Viruses – Parasites - Yeast –
Spirochetes

Bacteria: Strep, Clostridia – Mold –
Look at Bowels and Sinuses
--REFER if you are uncomfortable

Repair and
Maintenance
Gut Health
Lifestyle Balance
Keep Pathways Open

LOOK FOR THE INFECTIONS TREAT THE TERRAIN

- Don't be afraid of infections
- Use your tools
- Don't be afraid to seek advice
- This is a journey
- It's not easy for the patient either!

