Understanding & Treating Depression

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Introduction

- Naturopathic Physician
- Specializing in Mental Health & Cancer
 - -Mental Health Treatment: Anxiety, Depression, PMS, Eating Disorders, Self Harm, OCD, ADHD, Learning Disorders, Autistic Spectrum, Insomnia, PTSD, & Bi Polar
 - -Cancer: Cancer Support and Treatment
- Anti-aging, Wellness, & Men's Health

Overview of Talk

- View video case example of Depression
- Review Physiology of Depression
- Understanding Depression
 - Understanding the epidemic and why it persists

Overview of Talk Continued

- Treating Depression
- Video Case Follow-up
- •Q&A

Participation

- •Interaction = Lively presentation.
- Take notes about patient to share.
- •Jot down notes if that helps your learning (pdf can be emailed)
- Note down any complex questions for the break @ the end (time permitting)

Intro Video to Patient

- Thirty Four Year Old Female
- Referred by local Therapist
- Patient is in deep despair
- She is articulate about her state





Common Symptoms of Depression

- \$ Mood
- Physical Energy
- Under Motivation
- Sleep or î Sleep (Hypsomnia)
- IPleasure

- J Appetite
- 1 Emotional Eating
- 1 Irritability
- ÎIntroversion
- 1 Ruminating



- Antidepressants ~ 20-35% recover
- Cognitive Therapy ~ 30-40% recover
- Behavioral Activation ~ 56% Recover
- TLC ~ 70% recover

- Antidepressants ~ 20-35% recover
- Studies show most antidepressants are roughly equal to placebo's
- Antidepressants have adverse effects
- Antidepressants need to be taken indeterminately

- Cognitive Therapy ~ 20-35% recover
- No side effects
- Positive effects can last for years
- Rarely used drugs are cheaper in short term.

- Cognitive Therapy what is it?
- Identify negative thought patterns
- Evaluate neg thoughts to disarm them
- Take actions that re-inforce new patterns

- Behavioral Activation ~ 56% Recover
- No adverse effects
- Can last for years or for life

- Behavioral Activation What is it?
- Ignores Insight
- meaningful action
- Identifies rumination breaking action(s)
- Awareness of actions that thwart moods

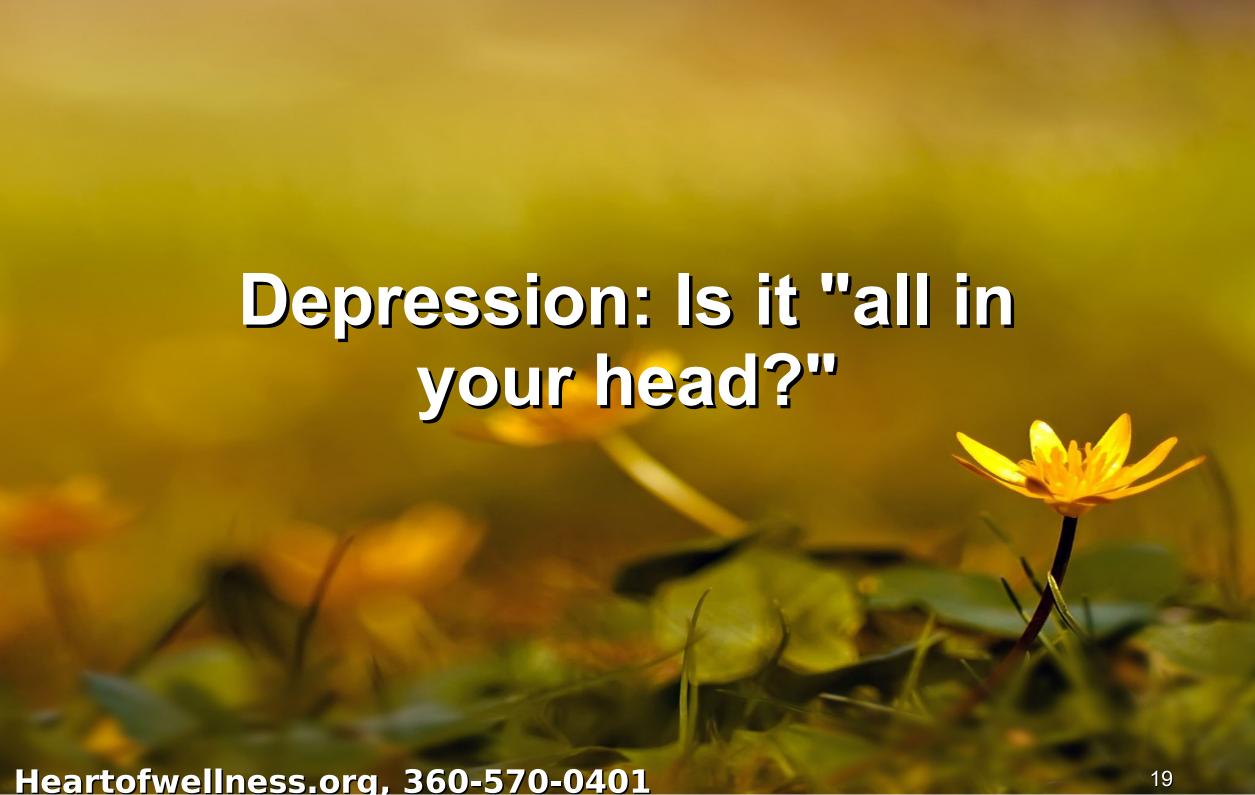
Therapeutic Lifestyle Change - TLC ~ 70%

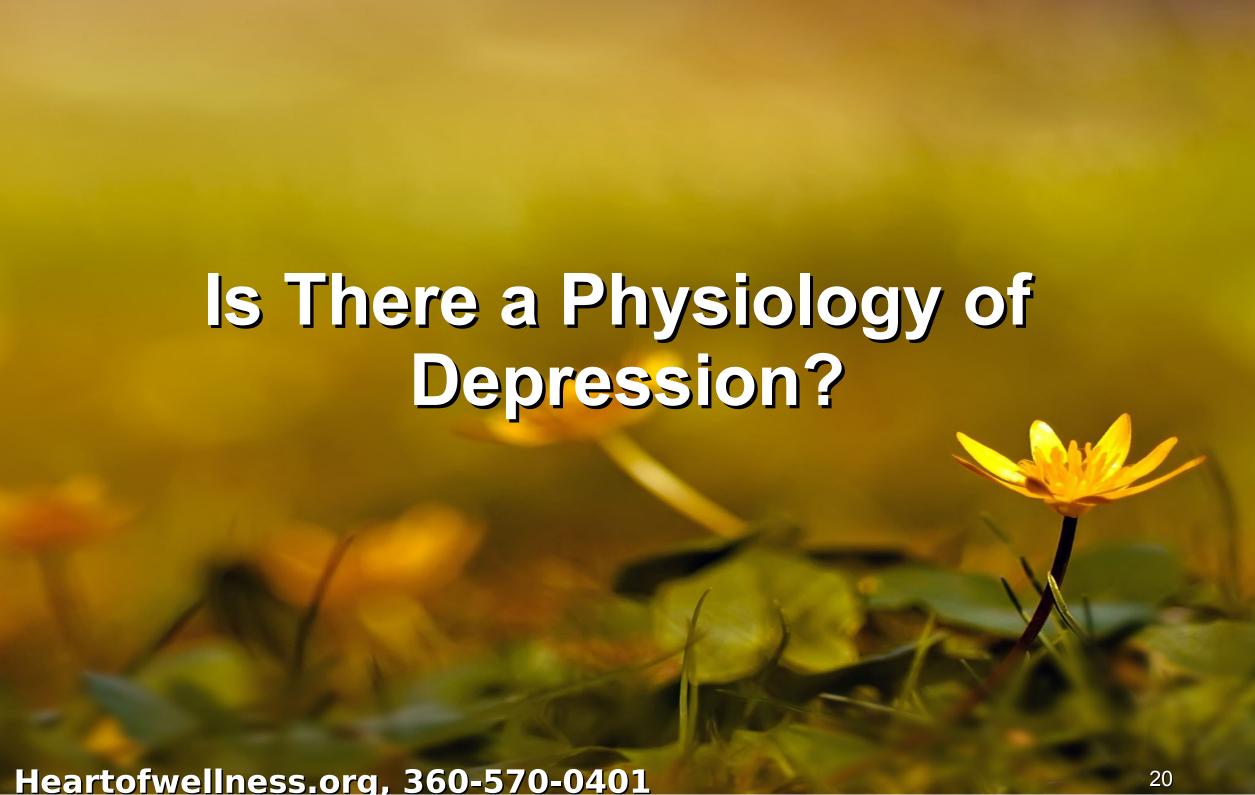
- No adverse effects
- Can last a life time
- Not a passive process, requires pervasive lifestyle changes

What is TLC?

- Dietary Omega 3's
- Engaging Activity

- Sunlight
- Social Support
- Sleep
- Exercise





Movement & Exercise







- Hormones
 - Cortisol Rarely considered
 - Thyroid (Often overlooked)
 - Sex Hormones

- Amino Acids
 - Depression Needs Stimulatory AA's
 - Anxiety Needs Inhibitory AA's

- Nutrient Deficiency:
 - Vitamin D (Lack of Sun)
 - Magnesium
 - B Vitamins
 - Omega 3 deficiency



Let there be light!

- A sunny day is 100 times brighter than indoor lights on full
- Overcast day is 3 times brighter than indoor lights on full

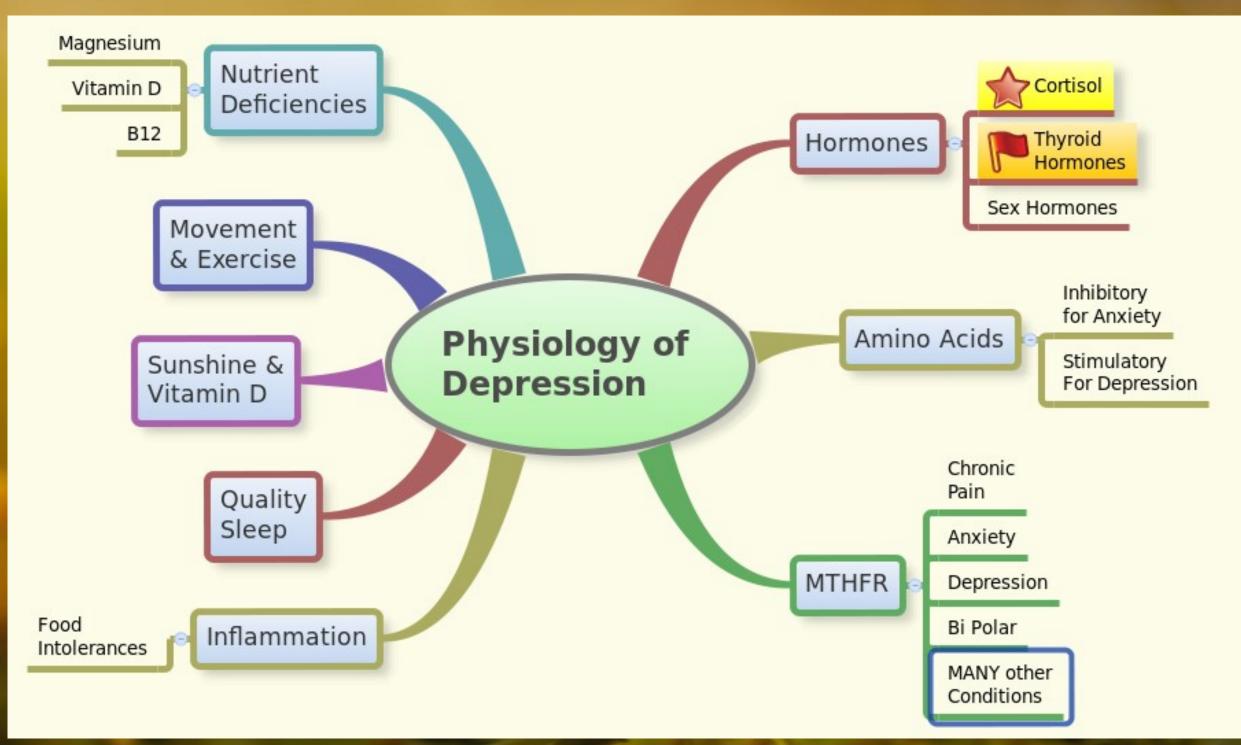
Let there be light!

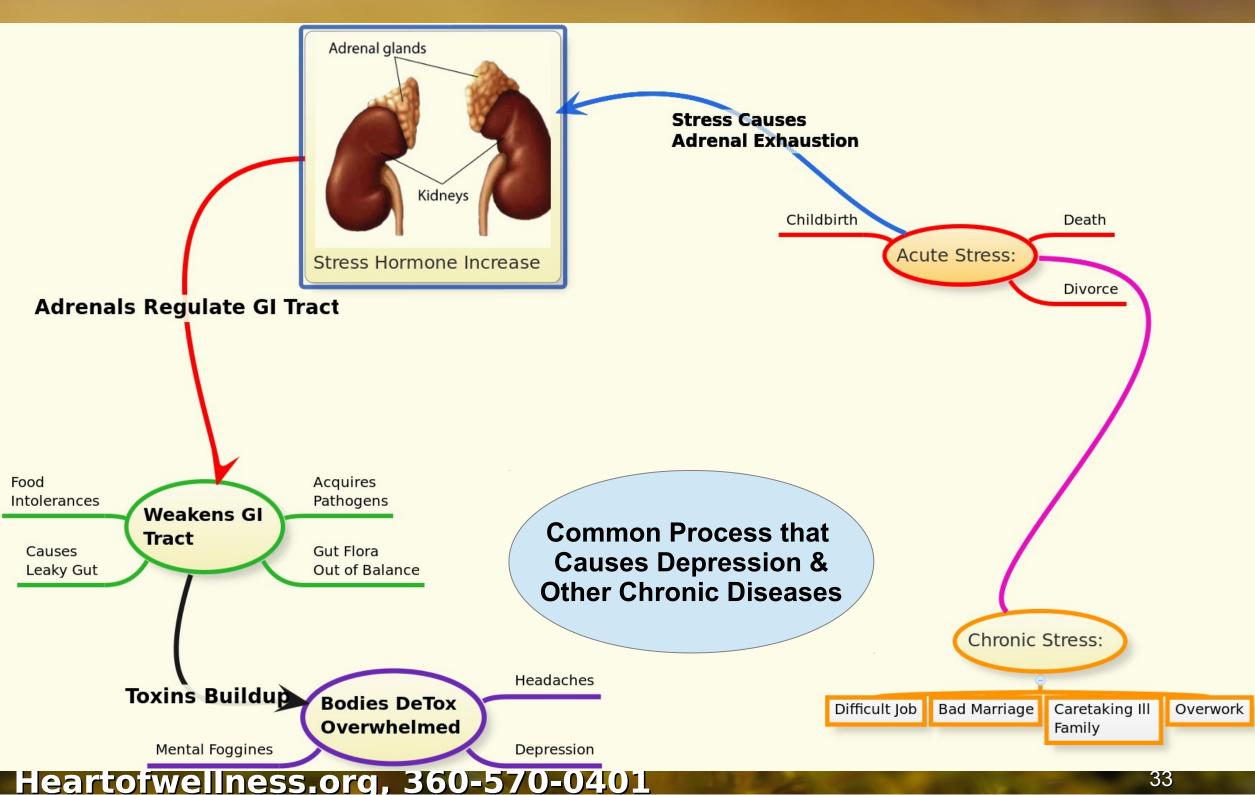
- Brain require AT LEAST 30 minutes of light to set body clock
- Studies show 10,000 Lux is powerful antidepressant

Methylenetetrahydrofolate Reductase MTHFR – (short for the above enzyme)

- A Faulty Gene inhibits creation of MTHFR
- Lack of MTHFR can cause or worsen many chronic health problems, including depression.

- Inflammation:
 - Maldigestion ⇒ Systemic Toxins
 - Toxins enter Brain
 - Depression, Anxiety,
 Cognitive Issues



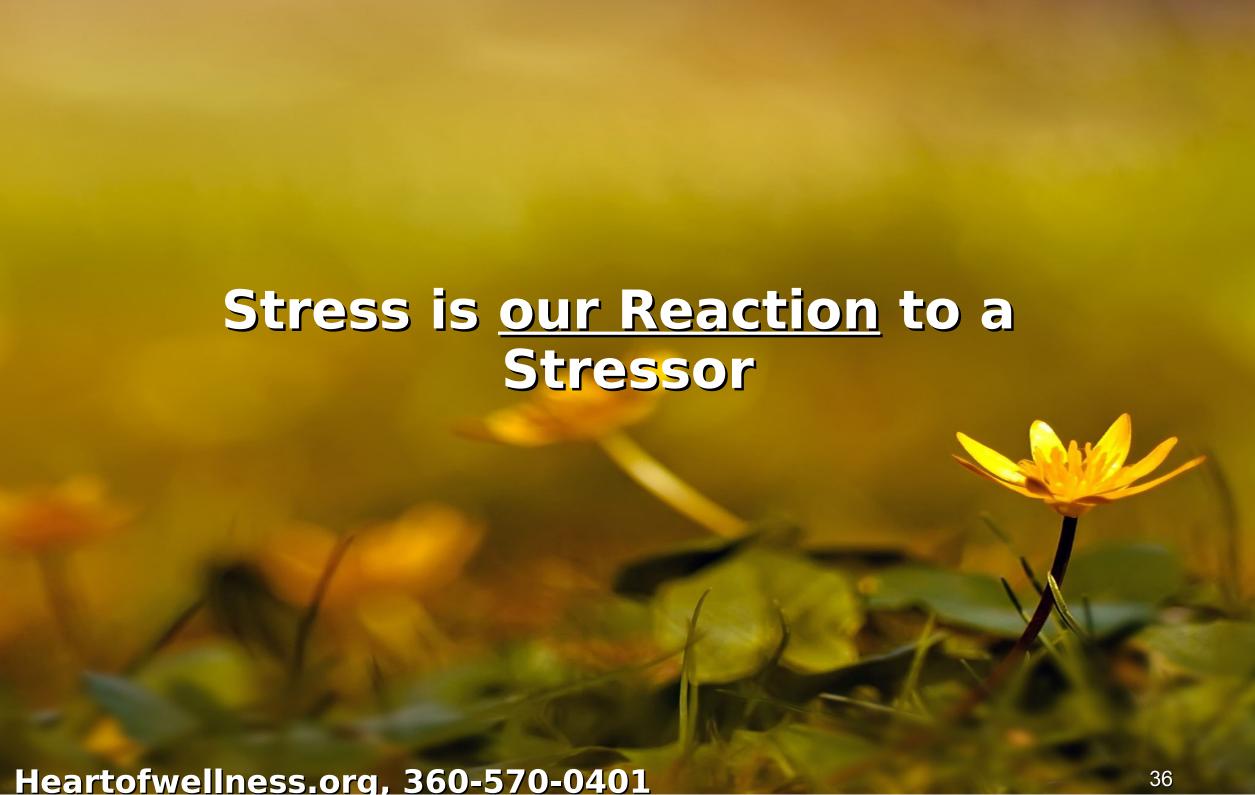




What is Stress?







Examples of Common Stressors:

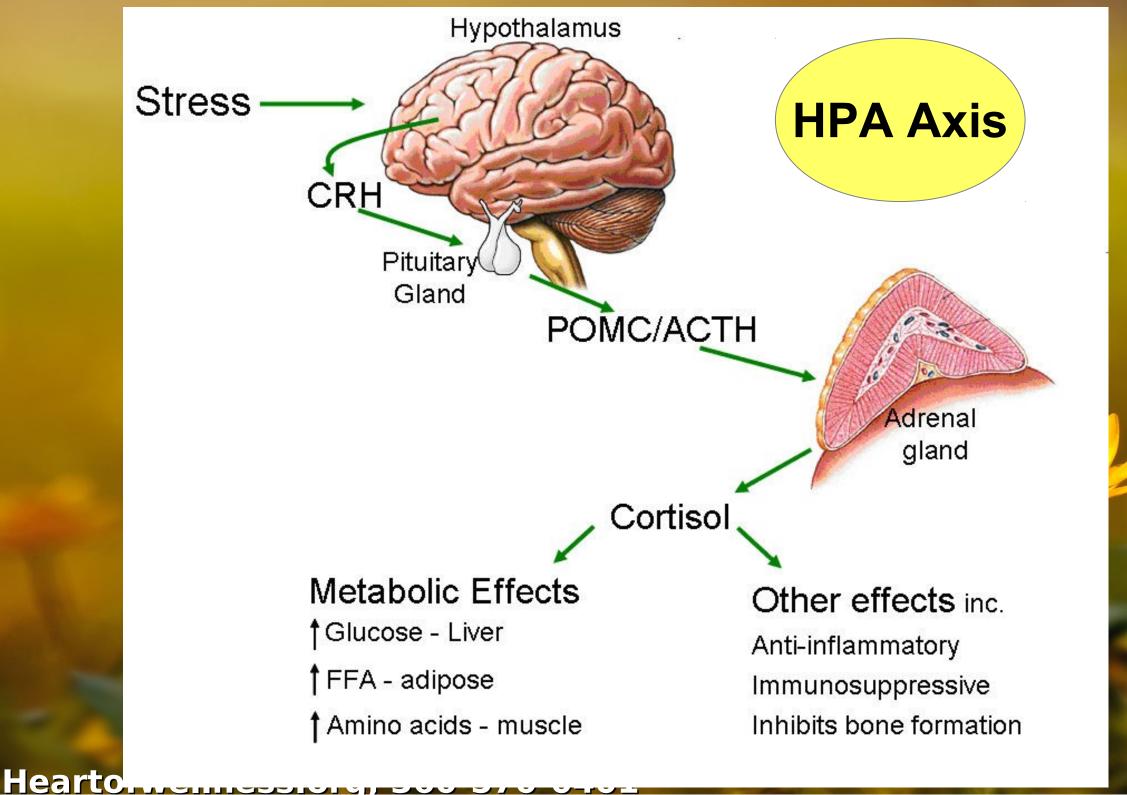
- LACK of Sun/light
- Relationship Conflicts
- Sedentary Lifestyle
- Death of loved one
- Career Promotion
- Poor Diet/Nutrition
 - Overweight/Obese

- Illness (Acute or Chronic)
- Loss of meaning
- Financial Troubles
- Chemical Exposure
- Addictions
- Working too much

Mind-Body Reaction to Acute Stress

- Rapid heart beat
- Rapid Breathing
- •Mind becomes more focused
- •Chemicals released increasing intuitive and spontaneous actions

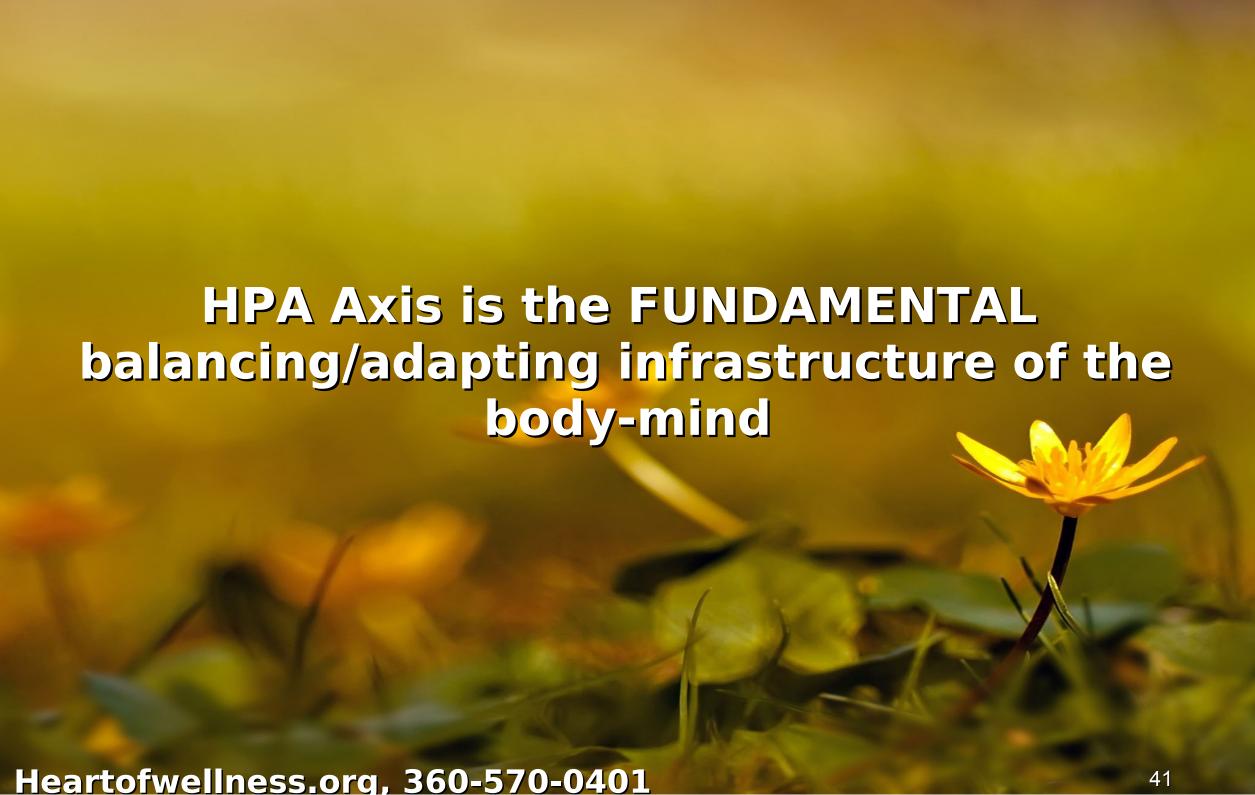
- Digestion slows down
- Blood shunted to muscles
- Blood sugar liberated for energy



HPA Axis Associated with:

- Anxiety & Panic Attacks
- Bi Polar Disorder
- •Insomnia
- Borderline Personality
- •PTSD
- Irritable Bowel
- Headaches

- ADHD & ADD
- Major Depressive Disorder
- Burnout
- Chronic Fatigue
- Fibromyalgia
- Sweet Cravings
- Constant Hunger





Our Departure from our nature:

- Separate from the earth's electrical field
- Separate from the sun and it's energy
- Separate from a life of constant motion
- Separate from community/family
- Separate from our own food sources

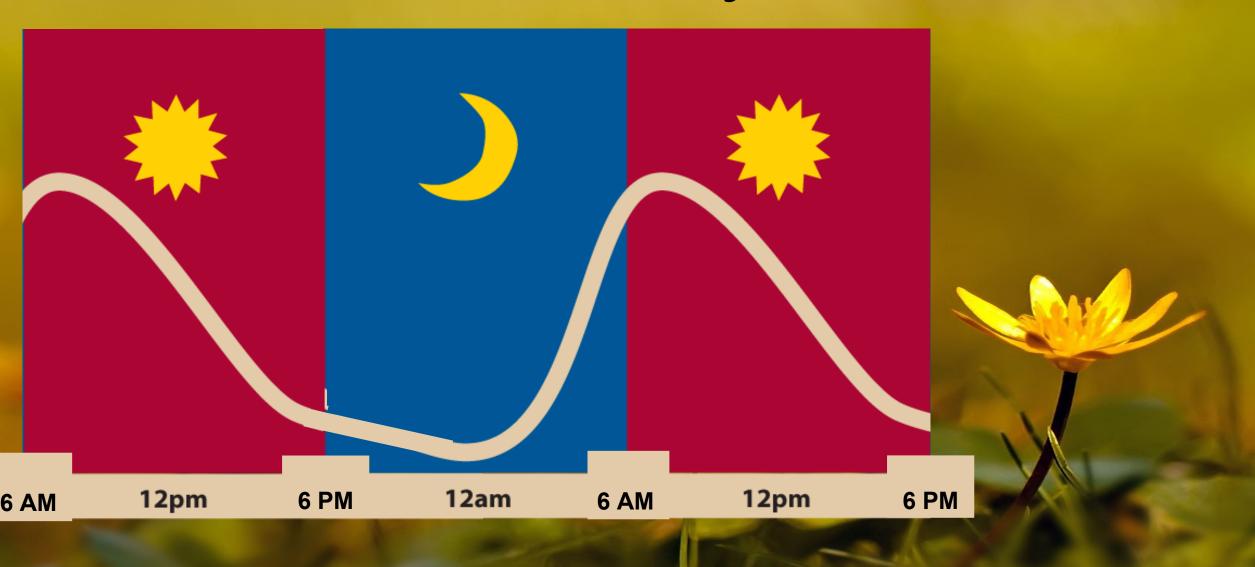
Back to Cortisol, HPA & STRESS!:



Cortisol's Role (liberate energy for fight or flight)

- Encourages a steady supply of glucose (energy)
- Calm inflammation/swelling
- Suppresses Immune system during stress
- Releases amino acids to muscles or liver
- Releases Free Fatty acids (for long term stress endurance, etc)

Cortisol Rythm



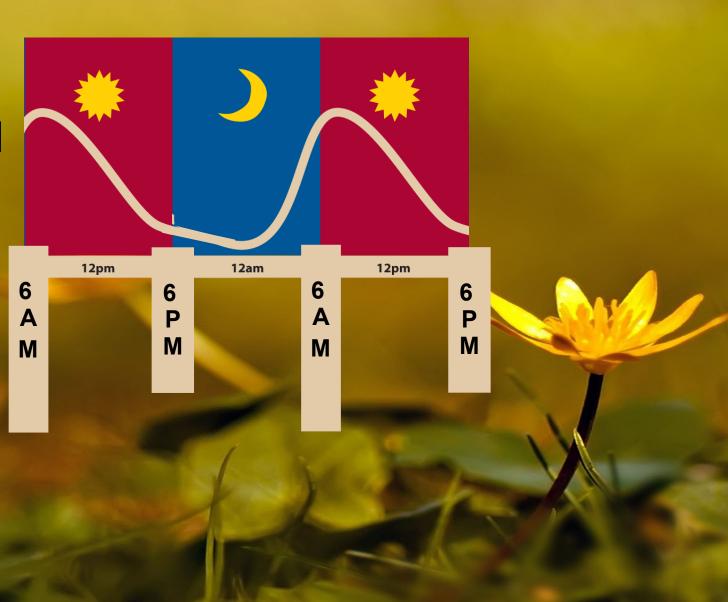
Cortisol (Sun energy)Stimulant

Cortisol is activity or 'male' hormone

Normal Cortisol ↑ in AM – Morn Energy!

Gradually winds \(\psi \) throughout the day

Evening cortisol \ _ allows for rest/sleep



Melatonin (moon energy)

- Melatonin = Female or rest, repair hormone
- Melatonin inverse of cortisol (cortisol ↑, Melatonin ↓
- *Cortisol ↓ evening while Melatonin ↑
- Melatonin is hormone of Deep Cycle Repair, restoration

Circadian Rhythm = Dance of Melatonin & Cortisol

- Light tends to activate Cortisol
- Cortisol tends to suppress Melatonin
- Melatonin may suppress Cortisol
- •Body-mind follows natural rhythm = DEEP restorative sleep @ night = energy, alertness, steady mood during day

Cortisol the Energy driver

- Stress = elevated cortisol
- Stress = elevated cortisol = adrenal exhaustion
- Adrenal exhaustion = cortisol flip
 - (AM Cortisol ↓ & PM Cortisol ↑)
- Exhausted AM and disturbed sleep in PM

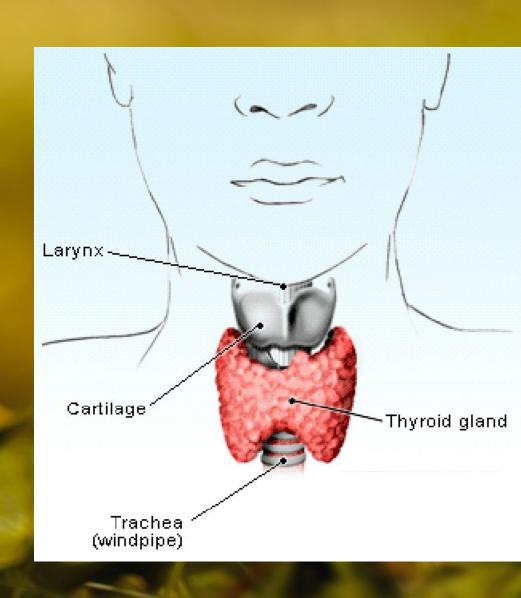






Thyroid Gland:

- Located at front of throat
 - T3 is the active hormone
 - Enables metabolism in every cell
 - Supports adrenal gland output



Thyroid Deficiency (Hypothyroid)

- Often Hypothyroid goes undiagnosed
- Must run T3 to determine ACTIVE hormone
 - Typically TSH is only lab run
- •Hypothyroid can be major cause of low physical energy which often = ↓ Mood



Depression, Blood Sugar, & Obesity

- Diabetes, obesity, overweight can ↑ Blood Sugar
- ↑ Blood Sugar → irreversible hippocampus damage
- Hippocampus center of anxiety & depression



Summary of Physiology & Depression:

- Physiology plays a MAJOR part in Depression
- Sleep, Nutrition, Stress, Exercise, Sunshine, Hormones, Amino Acids, MTHFR can all play a part

Summary of Physiology & Depression:

Hormones of note: Cortisol (Adrenals), & T3 (Thyroid) Sex Hormones not discussed – Important though!

Separating from from natural rhythms = Stress = Suffering (on many levels including depression)

About Homeopathy

- Like Cure's Like
- Dilution of Rx acts as a catalyst
- Precise Homeopathic Rx can stimulate deep healing
- Can be difficult to find precise Rx however.



Baseline Benchmarks:

- 1) Anger in head (constant almost daily background)
- 2) Depression 3 to 5 days cycles 4-5 per month
- 3)Isolating
- 4) Nervous habits twitching fingers stomping toes
- 5) Allergies daily
- 6) Asthma Roughly once a week
- 7) Worthlessness 4 times per week
- 8) Frequent waking 4 or 5 nights a week

Rx Given: Croton Tiglium



Any Final Questions/Comments about Patient? Heartofwellness.org, 360-570-0401

Depression Assessment:

- Before Depression can be addressed diagnosis MUST come first
- There are many many possible root causes.
- A Salivary Cortisol is often an important starting point

Depression Assessment:

- Blood work can often help to focus accurate treatment.
 - Looking for Thyroid, anemia, Vitamin D status and several other important factors.
- A complete History can also help in determining most effective treatments.

Simple Treatments for Depression

- Good quality Magnesium supplements 200mg once or twice a dayTake Fish Oil 1,000 mg a day minimum
- Try Methylated B12 and folate

Simple Treatments for Depression

- •Getting good exercise aerobic is important, though many types of exercise can help
- •Get Vitamin D status up to 60 and 100 range
- Light box particularly in AM

Transitioning from Antidepressants to Natural Treatments:

·Baseline:

- Importance of a Baseline
- Left over symptoms while on antidepressants
- Left over symptoms resolved, then...
- Coordinate with Antidepressant prescriber (when possible)
- Gradually taper one drug at a time



