Enhancing Wellbeing During Residency!



"Self-care is a priority and a necessity, not a luxury, in the work we do!"



Facts and Myths

- 1. Physicians know about wellbeing
- 2. Only external factors such as our work environment (hours, autonomy) need to be addressed first
- 3. Wellbeing and happiness are vague concepts and thereby difficult to measure or change

Wellbeing is Not:

- Absence of depression and suicide!
 - Absence of burnout in residents!!



What is Wellbeing?

- Subjective Wellbeing
 - Frequent positive affect
 - High life satisfaction
 - Infrequent negative affect
- Aka Happiness
 - Happiness is a mental or emotional state of wellbeing defined by positive or pleasant emotions ranging from contentment to intense joy

What is Wellbeing?

- Formally, Wellness is a dynamic and ongoing process involving self-awareness and healthy choices resulting in a successful, balanced lifestyle
 - Incorporates balance between the physical, emotional, intellectual, social, and spiritual realms
 - Results in a sense of accomplishment, satisfaction, and belonging
 - Provides protection from the unique demands of medical training and beyond (resilience)



Standard Recipe to Enhance Wellbeing

- Every day, do:
 - Eat healthy
 - Sleep for 8 hours
 - Have hobbies
 - 30 min of meditation
 - 45 min of exercise
 - Take care of your patients
 - Be skilled
 - Be empathic
 - Foster social relationships
 - Align values with purpose





Not Happening! Delusional Thinking!!!

So... Does a Practical Recipe Exist?



Back to the Basics: What Do We Know?

Emotion Regulation

Stress Response

Resting Brain (Default Mode Network)



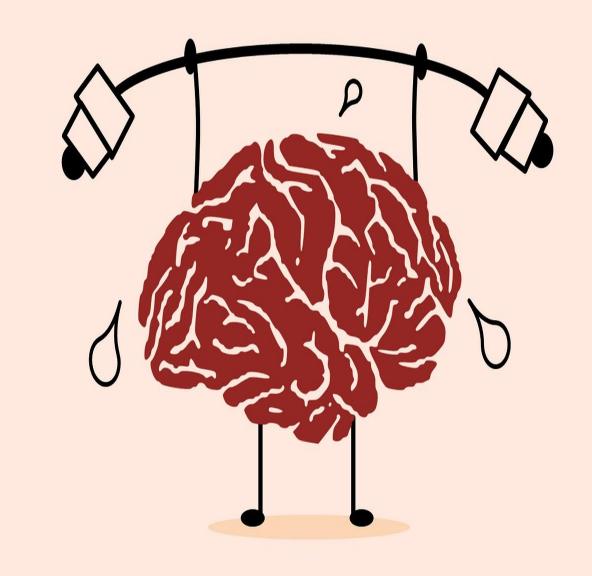




Therefore

Retrain the Brain

- •Impact
 - Emotion Regulation
 - Stress Response
 - Resting Brain Activity



Positive Emotions
Social Connections
Gratitude
Optimism

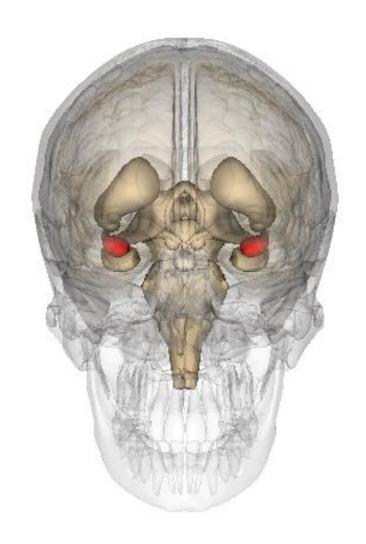
Breathing
Techniques
Diaphragmatic
Slow Deep

Emotion Regulation (Amygdala/ Insula)

Resting Brain (DMN)



Emotion Regulation System

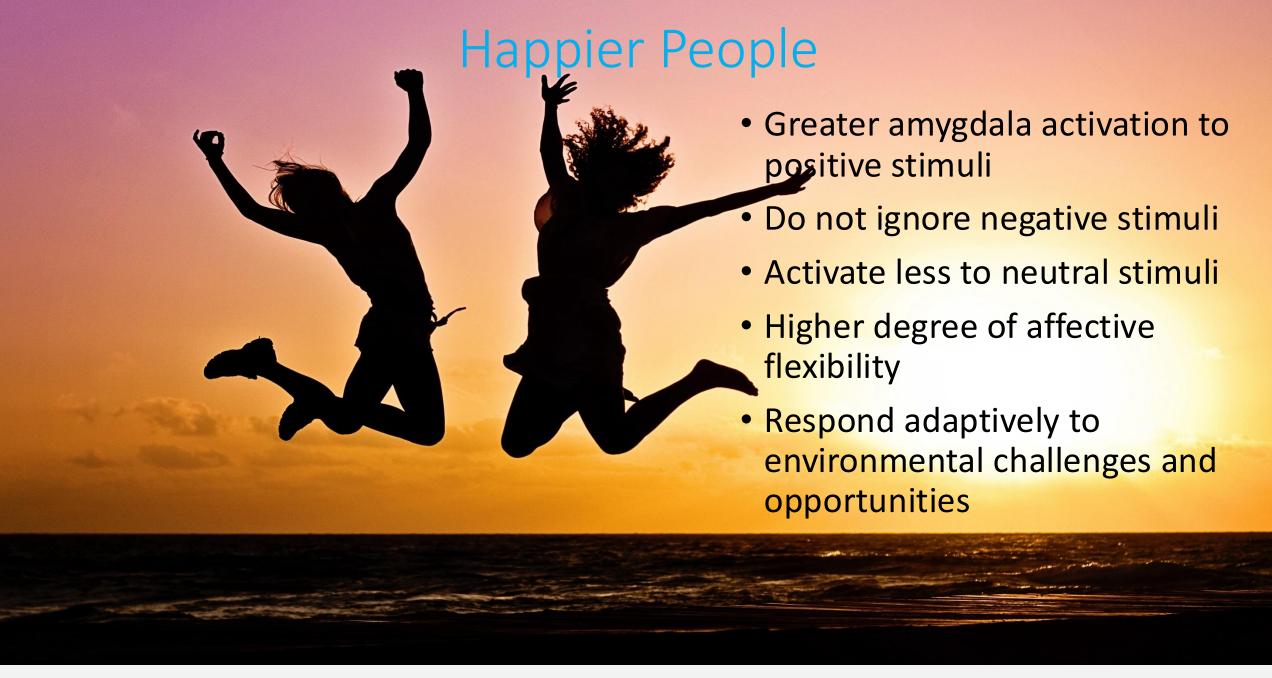


Emotion Regulation System

 Areas of our brain that process or generate emotions: amygdala and insula

 They communicate with other areas (dmPFC, lateral PFC and the ACC and vmPFC) to regulate these emotions

 This communication helps: register emotion, perceive it, and modulate it







Positive Emotions
Social Connections
Gratitude
Optimism

Emotion

Positive Emotions

Bread

Techn

Diaphre
Slow

Street

Connections

Resting

Connections

Connections

Resting

Connections

Connectio

Emotion
Regulation
(Amygdala/
Insula)

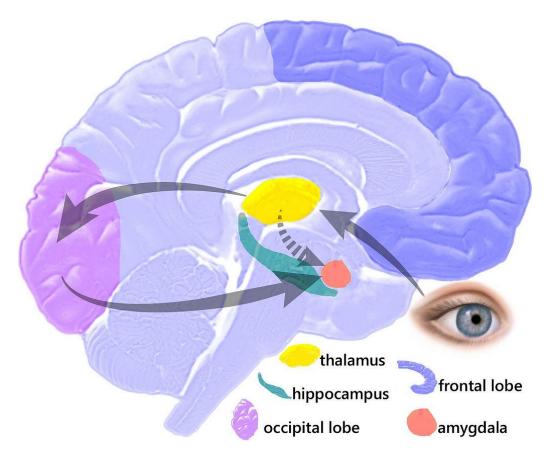
Resting Brain (DMN)







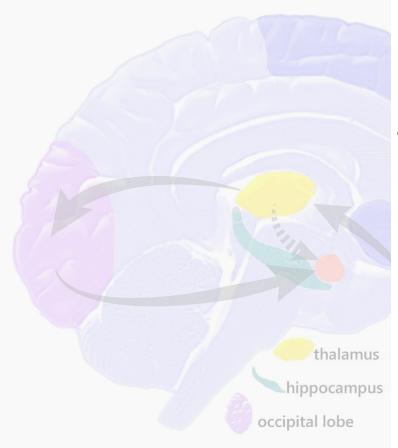
Freeze or Flight Response





(1) Sensory data fed to thalamus, (2) Data sent to amygdala, (3) Data sent to cortex, (4) Amydala does rapid thread assessment, (5) Amygdala blocks slow neocortical response, (6) "Unthinking" response issued, activating sympathetic nervous system (7) Chronic stress leads to HPA axis activation

Freeze or Flight Response



BRAIN FACT: The freeze or flight (unthinking) response triggered by the amygdala occurs in 30 milliseconds and can hijack the "thinking" response which

(3) Data sent to cortex, (4) slow neocortical response, (6) s system (7) Chronic stress leads

(1) Sensory data fed to thalamus, (2 Amydala does rapid thread assessm "Unthinking" response issued, active to HPA axis activation

Stress Response System

Sympathetic Nervous System

- Dilates pupils
- Accelerates heart
- Dilates bronchi
- Inhibits stomach and intestinal motility
- Adrenaline surges
- Relaxes bladder

Parasympathetic Nervous System

- Constrict pupils
- Inhibits heart rate
- Constricts bronchi
- Stimulates stomach and intestinal motility
- Contracts bladder

Stress Response System



Useful

- True life emergencies
 - Accidents
 - Life threatening situations like a fire
 - Mountain lion on a hike

Detrimental

- Daily stresses of life
 - Electronic medical records
 - Delinquent duty hour logs
 - Delinquent HIPAA training
 - Delinquent PPDs

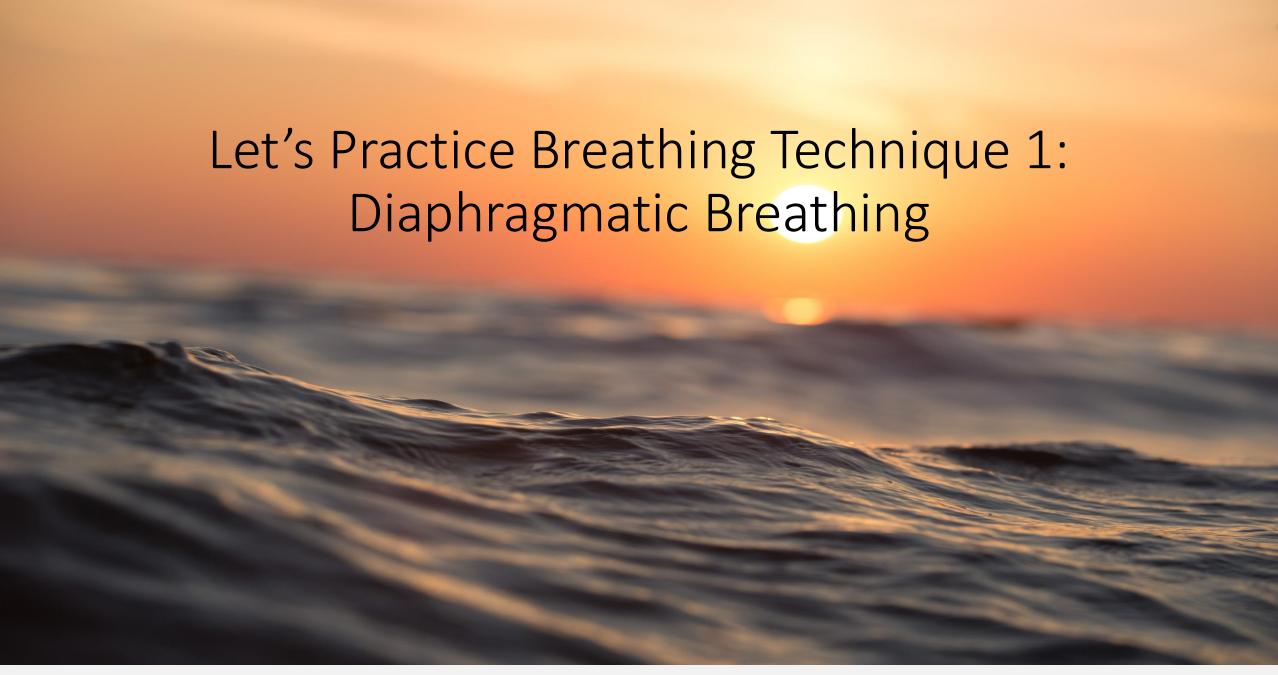
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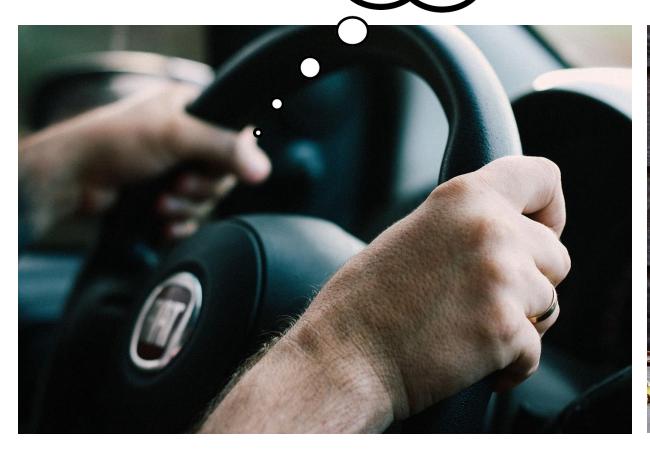


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Resting Brain (Default Mode Network)



I hope that I did not forget to order that lab....I am so stupid...I need a vacation ...Hawaii?? Why did I give that answer.....I should have said xyz...I am such an idiot......





Default Mode Network (DMN)



The Good

- Plays a role in creativity solutions
- Formulating a sense of self
- Consolidating memories

The Bad

- Mind wandering associated with unhappiness
- Unhappy people have increased functional connectivity and increased rumination

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What Gives Life Meaning

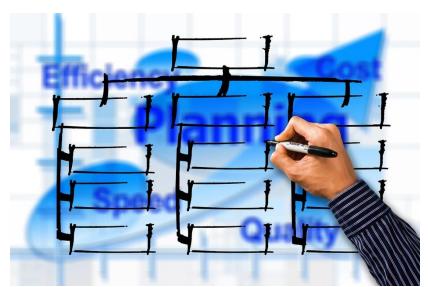


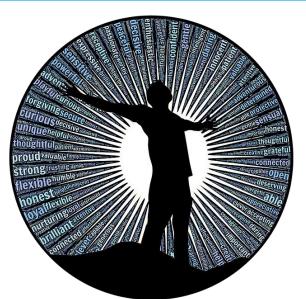
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Purpose

Efficacy

Values





Sense of Self-Worth



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Takeaways: Burnout is Real

- If you can only do 1 thing, do:
 - Ask for help if and when needed before you get burnt out
- If you can do more, also
 - Participate in the weekly sessions
- If you can do more, also
 - Pick one or two strategies to enhance your happiness
 - Get the handbook with a description of the exercises
 - Practice these