

# **Early Brain Development**

- Right Hemisphere (RH) develops first with deep connections into the body.
   RH is responsible for emotional regulation, creativity and

- RH is responsible for emotional regulation, creativity and some language
  LH does not begin development until age 2
  Language begins so if trauma was preverbal this ability to express those fear emotions or root of anxiety is stunted.
  Right, Left Development
  Deeper, non-cognitive therapy to get at RH damage

#### Polyvagal Theory – Stephen Porges (VVC) Ventral Vagal Complex: Signaling System for motion, emotion & communication. (Our Social Engagement System) (SNS) Sympathetic Nervous System: Mobilization System for Flight or Fight Behaviors. (Our Aggressive Defense System) (DVC) Dorsal Vagal Complex: Immobilization System for Conservation Withrawal. (Our Passive Defense System)

# **About Trauma**

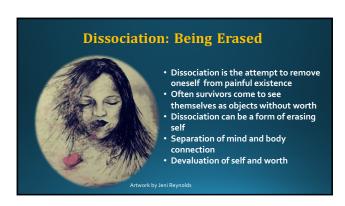
- Traumatic Instances Vs. Long Term Trauma
  - ✓ "Big T" vs. "Little T" traumas
    ✓ The drip, drip, drip effect

  - √ The emotional slot machine
- · Constant hypervigilance develops
- · Lack of trust in attachment becomes fixed
- Peter Levine's work "Waking the Tiger"
- Documentary "Paper Tigers"



	Insecure Bonding the ANS
Hyperarousal Regulated Hypoarousal	Attunement and Affect Regulation     Hyperarousal of ANS     Manic states     High Anxiety     Sensory Sensitivity     Hypoarousal of ANS     Non-responsive     Severe depression     Lack of sensitivity/body awareness





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- Stemming Behaviors physical
- Eye Lock (Brainspotting)
- · Glazed appearance
- Catatonia
- Change of personality structures
  - ✓ Vocal changes ✓ Age regression
- Emotional dysregulation (sudden anger, etc)

# Pain Avoidance, Dissociation

#### **Clinical Disorders**

- Substance Use Disorders Chemical numbing
- Process Addictions emotional numbing
- **Dissociative Disorders** 
  - ✓ https://www.youtube.com/watch?v=z0ln9PLQ7lQ ✓ PNES

  - ✓ DID

# **Personality Disorders**

- Cluster A: Schizoid and Paranoid Types
  - Hypervigilance
  - Hyporeactive ANS
  - Disorganized and fearful thought patterns
- Cluster B: Borderline, Histrionic, Narcissistic and Anti-Social
  - Hyper and Hypo reactivity may confuse with BiPolar
     Narcissist and Anti-Social often under responsive
- Cluster C: Anxious, Fearful OCD

  - Hyperreactive ANS constant, high levels
     Control is a way of minimizing risk and reducing anxiety



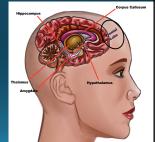
#### What is Mindfulness?

- 1. Begins with watching the breath Basic Grounding
  - Getting in touch with our body states
  - Learning the early signs of stress and anxiety in the
- 2.Learning to ground ourselves
- 3. Non-Judgemental ObservationDetached attention

  - Control of Emotions and Thoughts
- 4. How does it differ from meditation?

#### Mindfulness and the Brain

- The mind body connection
- Increase in neural pathways
- Strengthening connections
- Improving the pruning process
- Increase in Executive Function
- Increase in Oxytocin
- Decrease in Cortisol



# Use of Mindfulness in Emotional Regulation The point of mindfulness is not to control my thoughts and emotions, but to stop allowing them to control me. Becoming the observer of my thoughts and emotions—moving away from attachment. Conversations with a monkey. Why are you here? What can you teach me?

#### **Body Awareness Through Mindfulness**

- Leaving the dissociative state through grounding.
- Being aware of early triggers
- Fascia involvement
- · Being aware of the "gut"
- Honoring our sense and senses



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#### This being human is a guest house. Every morning a new arrival.

A joy, a depression, a meanness, some momentary awareness comes As an unexpected visitor.

As an unexpected visitor. Welcome and entertain them all! Even if they're a crowd of sorrows, who violently sweep your house empty of its furniture, still treat each guest honorably. He may be clearing you out for some new delight.

The dark thought, the shame, the malice, meet them at the door laughing, and invite them in.

Be grateful for whoever comes, because each has been sent as a guide from beyond.



# **The Importance of Practice**

- Becoming aware of the body
- Becoming alert to triggers as they arise
- Making it second nature
- Practice at meal time



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Questions?	
The Lags	

#### Mindfulness Vs. Dissociation

- Staying connected
- Dissociation is removing myself from the discomfort
- Mindfulness is staying present with it, inviting it in, looking at it
- Being aware of the body experiences and building tolerance

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#### **Mindfulness and Controlling Dissociation**

- Use grounding at first sign
  ✓ The case of PNES
- Identifying the body sense
  - ✓ Sexual violence
  - ✓ Shape, color, size, etc
- Breathing through the tension
- The therapists role as mindful practitioner

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### **Bromberg and Schore**

- We are broken in connection and we heal in connection
- Therapist as healing connection
- · Para to para connection and leading by example
- Being the mindful therapist
- https://www.youtube.com/watch?v=fI9fxZRtjdU
- · Bromberg's expansion of the emotional window
- Mindful breathing and attention becomes key in this place

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#### **Processing Trauma Specific Visualizations**

- Ogden talks about the difference between processing and reliving
   trauma
- Retaining the memories in the body and somatic processing
- Separating from the process in the theater
- Boxing it up for later
- Honoring the Child







# **Being A Grounded Space**

- Ethical practice means knowing what you teach
- Free online 8 week training https://palousemindfulness.com/
- Gains from your own practice:

  - · Opening to your client





