## Trauma & & How to Restore Goodness

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#### You will learn:

#### How trauma affects the Nervous System

- How unresolved developmental trauma can lead to issues such as anxiety and depression
- The relationship between attachment and trauma
- How trauma can be resolved using a somatic, or body-centered approach
- 3 highly effective tools to calm the nervous system

#### Trauma is:

#### A highly energized state

- The result of undischarged energy
- When threatened 'a wild amount of energy is mobilized' and 'locked down when frightened'
- The "lock down" IS the problem IN the nervous system

### Trauma also occurs because we are:

- Often alone or unsupported at time of event
- Have lost connection to others and to ourselves
- Unable to access comfort and co-regulate in the time of need

## Somatic Experiencing

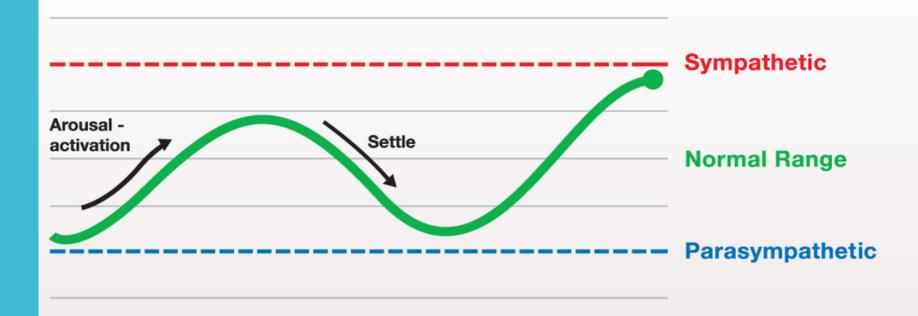
Somatic Experiencing® (SE) is a potent psychobiological method for resolving trauma symptoms and relieving chronic stress. SE is designed to resolve traumatic stress and increase the capacity to negotiate stress and trauma.

### Connection:

We are hard-wired for it!

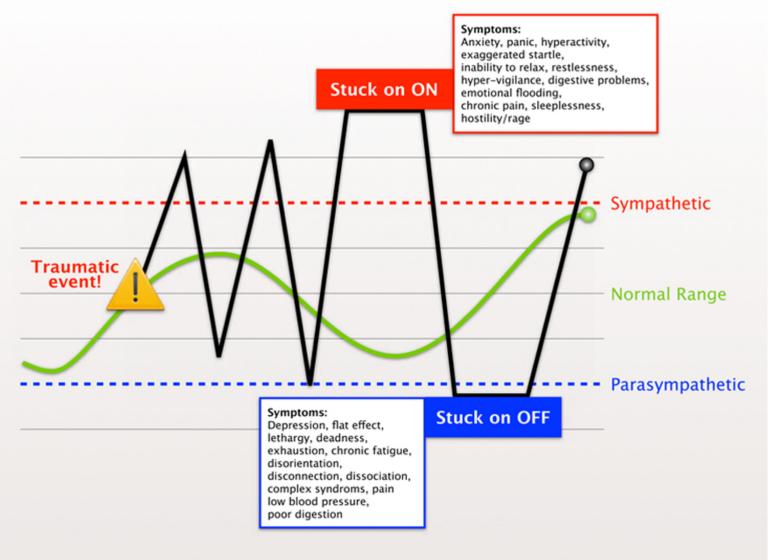


### **A Healthy Nervous System**



Source: Foundation for Human Enrichment

### Symptoms of Un-Discharged Traumatic Stress



## #1. Tool: Orienting to Wellness

- An invitation to:
  - Slowly, notice ... your...feet
  - Slowly, notice ...

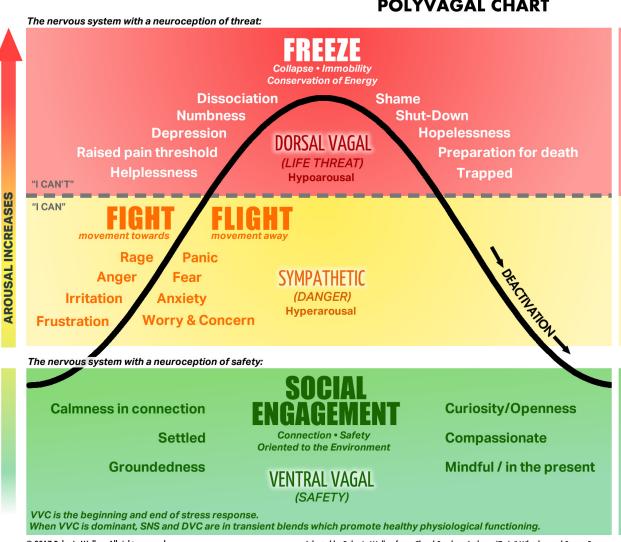
"Something you are attracted to"

Sensations

# Hand Model of the Brain



#### POLYVAGAL CHART



#### PARASYMPATHETIC NERVOUS SYSTEM

DORSAL VAGAL COMPLEX

#### Increases

Fuel storage & insulin activity • Immobilization behavior (with fear) Endorphins that help numb and raise the pain threshold Conservation of metabolic resources

#### **Decreases**

Heart Rate • Blood Pressure • Temperature • Muscle Tone Facial Expressions & Eye Contact • Depth of Breath • Social Behavior Attunement to Human Voice • Sexual Responses • Immune Response

#### SYMPATHETIC NERVOUS SYSTEM

#### Increases

Blood Pressure • Heart Rate • Fuel Availability • Adrenaline Oxygen Circluation to Vital Organs • Blood Clotting • Pupil Size Dilation of Bronchi • Defensive Responses

#### Decreases

Fuel Storage • Insulin Activity • Digestion • Salivation Relational Ability • Immune Response

#### PARASYMPATHETIC NERVOUS SYSTEM VENTRAL VAGAL COMPLEX

#### Increases

Digestion • Intestinal Motility • Resistance to Infection Immune Response • Rest and Recuperation • Health & Vitality Circulation to non-vital organs (skin, extremities)
Oxytocin (neuromodulator involved in social bonds that allows immobility without fear) • Ability to Relate and Connect

Movement in eyes and head turning • Prosody in voice • Breath

#### Decreases

**Defensive Responses** 

Let's take a break . . .

Notice...

... what you are attracted to in this picture.



## Types of Trauma:

OBVIOUS:	NON-OBVIOUS: (that body subconsciously perceives as threatening)
MVA & High Impact	Surgeries
Physical Injuries	Falls
Death	Betrayal/Infidelity
Sexual Abuse	Emotional Neglect
Physical Abuse	Pre and Peri Natal
Inescapable Attack (animal/escape inhibited)	Anesthesia
Shootings	High Fevers
Natural disasters	ACOA – "walking on eggshells"
	Depressed caregiver/not "present" emotionally
	Illnesses

## Symptoms of Trauma

Core of the traumatic reaction:	Early symptoms – same time or shortly after can be:
Hyperarousal	Hypervigilance ("on guard at all times)
Constriction (energy/body)	Intrusive imagery or flashbacks
Dissociation (including denial)	Extreme sensitivity to light and sound
Feelings of helplessness	Exaggerated emotional and startle responses
	Nightmares
	Abrupt mood swings e.g. rage reactions or temper tantrums
	Reduced ability to deal with stress (easily and frequently stressed out)
	Difficulty sleeping

Other
symptoms
that can show
up:

Next phase of Development:	Final group of Symptoms:
Panic attacks, anxiety and phobias	Muted or diminished emotional response
Mental "blankness" or "spaciness"	Inability to make commitments
Frequent crying	Immune system problems
Hyperactivity	Psychosomatic illnesses, particularly headaches, neck and back problems, severe PMS
Abrupt mood swings	Diminished interest in life
Fear of dying, having a shortened life, going crazy	Amnesia and forgetfulness
Difficulty with sleep	Inability to love, nurture or bond with other people
	Reduced ability to deal with stress and to formulate plans

## Non-Obvious Developmental Injuries

- Babies cannot regulate themselves
- · Needs regulated, calm, present caregiver to "plug-in" to
- Social and Environmental Factors:
- Babies have 2 options

Unresolved trauma creates dysregulation within the nervous system:

- The charge of energy gets 'stuck' in our bodies.
- Have effects that people often do not realize are connected to their past traumatic experiences
- Bessel Van Der Kolk says "With trauma time stands still" in the body....in our bodies it feel like we are still in the time of the event.

## #2. Tool: Self-Hug

- Feet on floor
- Right hand to side where your heart is
- Left hand across
- Notice "shift"



Why is it that animals in the wild, who are repeatedly exposed to lifethreatening events, don't develop the symptoms of PTSD like humans?

• Animals complete full sequence of a response to danger by noticing, reacting (FFF), and ... recovering from the threat.

 When in jeopardy or threat, animals will access and expend ENORMOUS AMOUNTS OF ENERGY providing the" fuel" to escape the danger.

We are also mammals

## Peter Levine discovered:

• All animals (including humans) have a natural "immunity" to the long-term, debilitating effects of trauma.

### SE Informed by Animals In The Wild

## Overwhelmed or threatened, animals go through predictable stages of responding to danger via fight, flight & freeze

In order to optimize chances for survival, the body:

- Activates implicit, hardwired survival sequences
- Mobilizes high levels of energy to defend itself
- Shuts-down unnecessary bodily functions

After threat has passed, animals return to normal functioning by:

- Discharging survival energy
- Integrating excess activated energy







## Completion of a Survival Response:

- A short video of a polar bear demonstrating active completion of survival (fight/flight/freeze) responses.
  - Fight/Flight Polar Bear

## Why animals in the wild are not traumatized:

- There is a discharge of excess energy through the body
- Completion of Self-Protective Responses: FIGHT (biting), FLIGHT (running)
- The body returns to baseline: through trembling, shaking, bucking, jumping, kicking, running further than necessary to simply escape the predator

## A short look at Peter's work:

How Trauma Gets Stuck in the Body (and How to Work with It)

## Physiological responses are key:

• Somatic Experiencing® focuses on the **physiological responses** (sensations and movements) that occur when someone experiences, or, remembers an overwhelming or traumatic event, in his or her body, rather than only through the thoughts or emotions connected to it.

### Felt Sense: The Language of Sensation

### Intensity of Sensations

Sharp Dull Intense Weak Hard Soft Pressure Solid

#### Muscle Sensations

Trembling Achy
Shuddering Crampy
Shivery Twitching
Pulsing Fluttery
Shaky Shuddering
Throbbing Tense
Spasming

#### **Skin Sensations**

Itchy Prickly Tingly Sweaty Moist Clammy Dry Flushed Goosebumps

#### <u>Temperature</u>

Frozen Icy Cold Cool Numb Warm Hot Boiling Steaming

### **Constriction Sensations**

Stuck Contracted Knotted Tight Blocked Congested Tense Constricted Breathless Compressed Suffocating

#### **Whole Body Sensations**

Trembling Heavy Thick
Vibrating Flaccid Full Puffy
Jittery Gurgling Energized
Light Calm Fidgety Jumpy
Tingling Faint Fuzzy Wobbly
Spinning Buzzing

### **Expansion Sensations**

Expansive Moving Floating Flowing Fluid Relaxed Radiating Glowing Waves Streaming

## Felt Sense Exercise

- Think of an experience or person that makes you happy, brings a smile to your face
- Identify 1 sensation as you bring this resource to mind
- What is the size, shape, texture, movements, or even color associated with this sensation?
- As you become aware of these qualities inside, notice what's happening now: How do you feel overall?

#### Resources

#### Anchors that help stabilize folks

#### EXTERNAL

- People, places or activities (in reality or in imagination) that are comforting, calming, settling
  - Safe people, pets, places in nature, home, special rooms, music, exercise, travel, vacation, spiritual community
- The therapist's engagement: capacity to track well, to be in resonance/attunement, to create a safe space in the office

#### INTERNAL

- When client experiences settling, less constriction, more breath, more presence, pleasure
- Positive sensations in the body:
  - relaxed, more spacious, less tense, grounded, stable, connected, have a freer range of movement, tingling, more alive

## #3. Tool Self-Holding Techniques

Head

(Forehead/Back of head OR sides of head)

- Forehead and Heart
- Heart and Tummy
- Adrenals

• ....until you "Notice a shift"

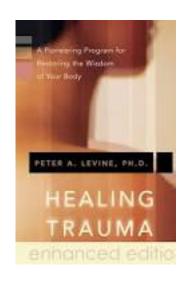
# Ways to Discharge the energy of Fight, Flight, Freeze and to HEAL...

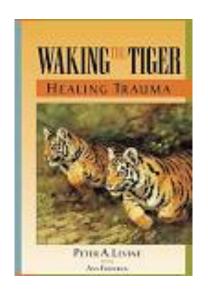
- Essentially, we need to help
  - feel and allow the Fight,
  - feel and allow the Flight and/or
  - and help the nervous system to move out of Freeze with movement..
- Many tools are used including:
  - Grounding
  - Felt sense
  - Orienting to Wellness
  - Titration
  - Pendulation
  - Restoring orienting responses, self protective responses, defensive orienting responses and many, many more techniques
- Creating Corrective Experiences
  - depending on what was thwarted...remember the body knows and our impulses are there and ready to go

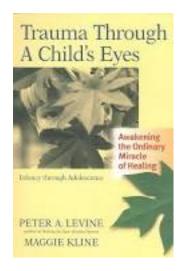
When our nervous system is balanced, and our activation is low, we feel:

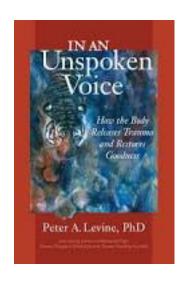
Open, curious	Relaxed, yet alert	
Embodied	Appropriately reactive	
Available for Connection	Able to be present	
Fluid, resilient Competent	Emotionally stable	
Competent	Healthy	
We have choices and options.  We can reach out for support when we can't do it on our own.		

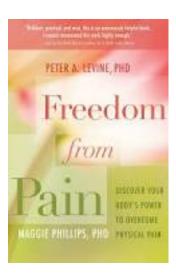
### Books by Dr. Peter A. Levine





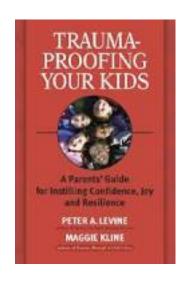


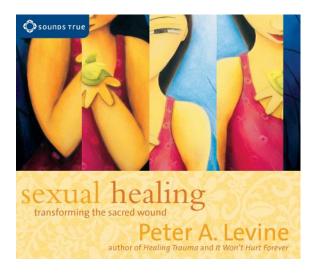


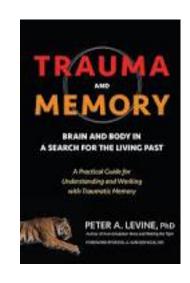


## More books, audio & websites

Sexual Healing: Transforming the Sacred Wound







www.traumahealing.org

-YouTube videos

## Calm, Curious and Embodied

