Physical Impact

Brain Architecture

Shrinkage in prefrontal cortex, corpus callosum, and hippocampus. Enlarged and more reactive amygdala. Resolution: safe and stable nurturing relationships, walk in nature, touch, exercise

Neural Pathways

Need to 'rewire' our brain from old thought patterns and habits of mind, conscious, and unconscious. Resolution: neurofeedback, meditation/ mindful action, positive self-talk

Hormones

Prolonged high cortisol and ghrelin creates greater reactivity to stress. Long term damage to cells, structures of the body, and other hormone glands (thyroid).

Resolution: oxytocin ("the love hormone")

Toxin Elimination

Intestines and kidneys less able to eliminate toxins (slow gut or unbalanced flora).

Resolution: salt baths, sauna

Nervous System

Supercharged sympathetic nervous system. Parasympathetic nervous system not engaged to bring back into balance. Resolution: yoga, breathing, or other physical/emotional regulation



of Trauma

Brain Waves

Predomination of wrong brain waves in wrong part of the brain leads to anxiety, unable to concentrate, and seizures.

Resolution: neurofeedback

Neurotransmitters

Vulnerable to addiction because dopamine transmitters/receptors not developed or damaged.

Reduces motivation & focus, creates fatigue. Low serotonin causes depression.

echo ©2018

Cellular Change

Shortens telomeres which prematurely ages and reduces reproduction of cells & can cause cancer. Resolution: social support

Epigenetics turns genes on or off in adaptation to dangerous environments. Effect can last generations. Resolution: Safer environment (perception of)



Resistance to cortisol or lower cortisol creates unchecked inflammation. Cause of many diseases: asthma, arthritis, etc.)
Resolution: meditation/mindful action, walking in nature, diet, rest



