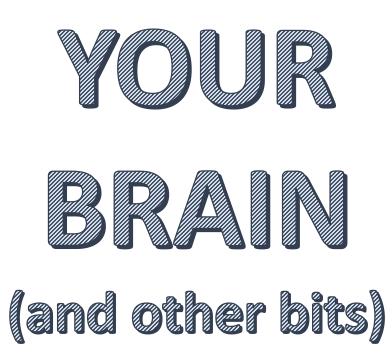
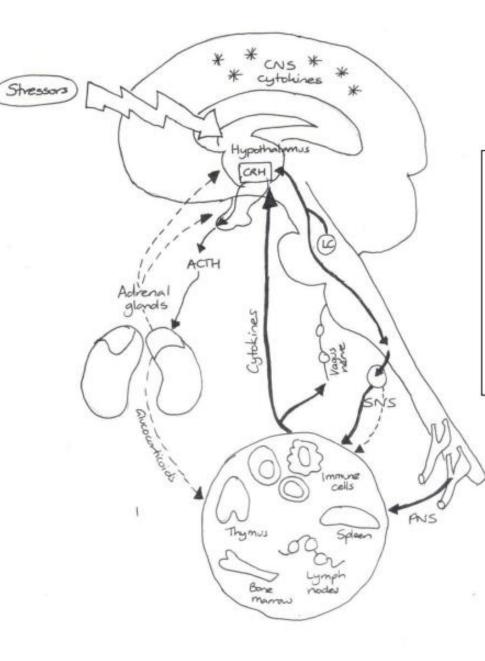
STRESS, RESILIENCE & MINDFULNESS SAVINE STANDER & JEAN SCHUTTE





Cytokines produced by immune cells activate the vagus nerve, which in turn activates the locus coeruleus (LC).The LC activates the hypothalamus to initiate the HPA axis and release CRH, stimulating the release of ACTH from the anterior lobe of the pituitary gland. ACTH circulates in the blood to the adrenal glands to induce secretion of the glucocorticoid stress hormone cortisol. Cortisol and cytokines feed back to the brain, creating a communication loop.

Figure 2. Communication pathways between the brain and immune system. Adapted from "Neuroendocrine Regulation of Immunity," by J. I. Webster et al., 2002, Annual Review of Immunology 20(1), p. 127.

Resilience

Adapting well in the face of adversity



APA Recommendations







MAKE CONNECTIONS

AVOID SEEING CRISES AS INSURMOUNTABLE PROBLEMS ACCEPT THAT CHANGE IS A PART OF LIVING



KEEP THINGS IN

PERSPECTIVE



MAINTAIN A HOPEFUL OUTLOOK



TAKE CARE OF YOURSELF

Positive psychological capital – Fred Luthans Professor of Management at the University of Nebraska–Lincoln



Норе





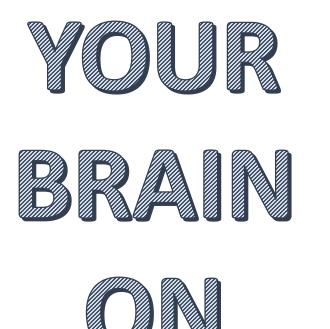






Increased activity in an area of the brain that regulates emotion

- =
- Reduction in 'overthinking' or obsessive thoughts
- Decrease in perceived physical pain





Increase in size of the area responsible for consolidating memory

• Better memory!

Ξ

















Mindfulness

- Jon Kabat-Zinn
- International Conference on Mindfulness

Mindfulness at Work

INDIVIDUAL LEVEL

- Increased job satisfaction
 Engagement, and Performance
- Reduced Stress.
- LEADERSHIP LEVEL
- Enhanced moral awareness and Authentic leadership styles.



see Good et al (2016) Vich (2015) and Hyland et al. (2015) for reviews



MINDFUL EATING EXERCISE

Fruit, nut, sweet, chocolate