



How Medical Imaging is Contributing to Leadership Development: mBIT and the Discovery of Multiple Brains

Grant Soosalu, Marvin Oka
and Suzanne Henwood



Have you ever wondered?

- What happens to
 - Surveys?
 - Interviews?
 - Data collected?



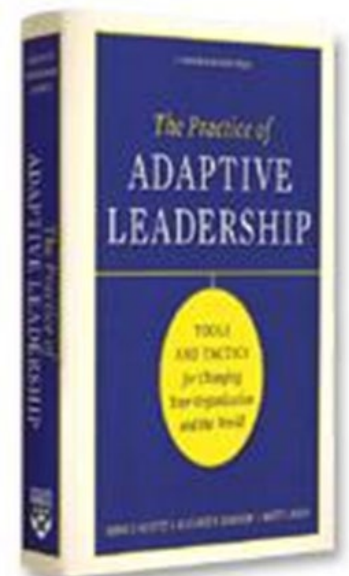


Leadership Today

- Current Challenges
 - Complexity
 - Rate and scope of change
 - New mechanisms of communication
 - Stress
 - Reduced engagement
- Call for New Form of Leadership

What is being Proposed?

- Compassion, Creativity & Courage
- Soul & Spirit
- Head, Heart & Gut
- Authenticity
- Deeper connection with people
- Adaptive and Collaborative
- Wisdom



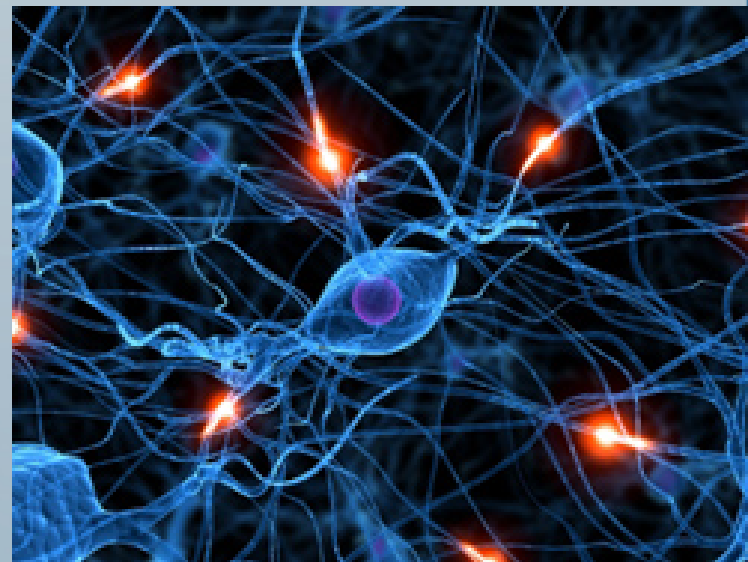
New Developments

- Developments in Neurosciences
- Multiple brains
 - Head
 - Heart
 - Gut



What constitutes a brain?

- Inter-neurons, neurotransmitters
- Glial cells
- Complex adaptive neural network



- Head brain ~ 100 Billion neurons
- Gut brain ~ 200 – 500 Million neurons
- Heart brain ~ 30 – 120 Thousand neurons



Methodology

- Using established evidence
- Behavioural Modelling
- Action Research
- Case Study based



Initial findings

- Prime Functions
- Highest expression
- mBIT Road Map
- Foundational Sequence

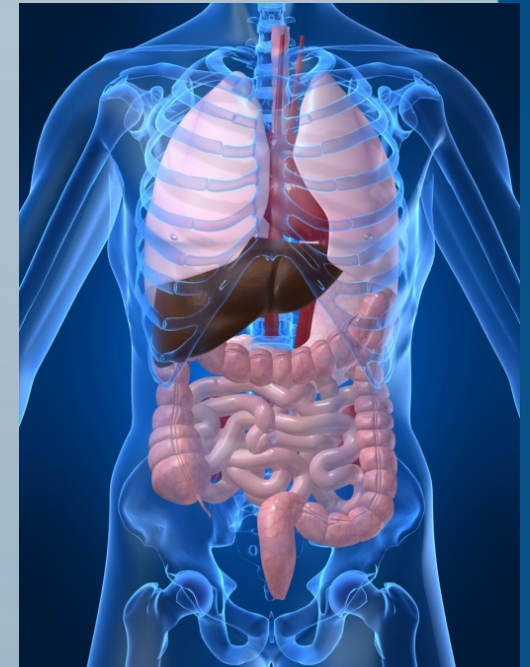
The Prime Functions of the Neural Networks



Cognitive Perception
Thinking
Making meaning



Emoting
Values
Relational affect



Identity
Self Preservation
Mobilisation

Real Leadership: Highest Expressions of the 3 Brains



Creativity

Courage

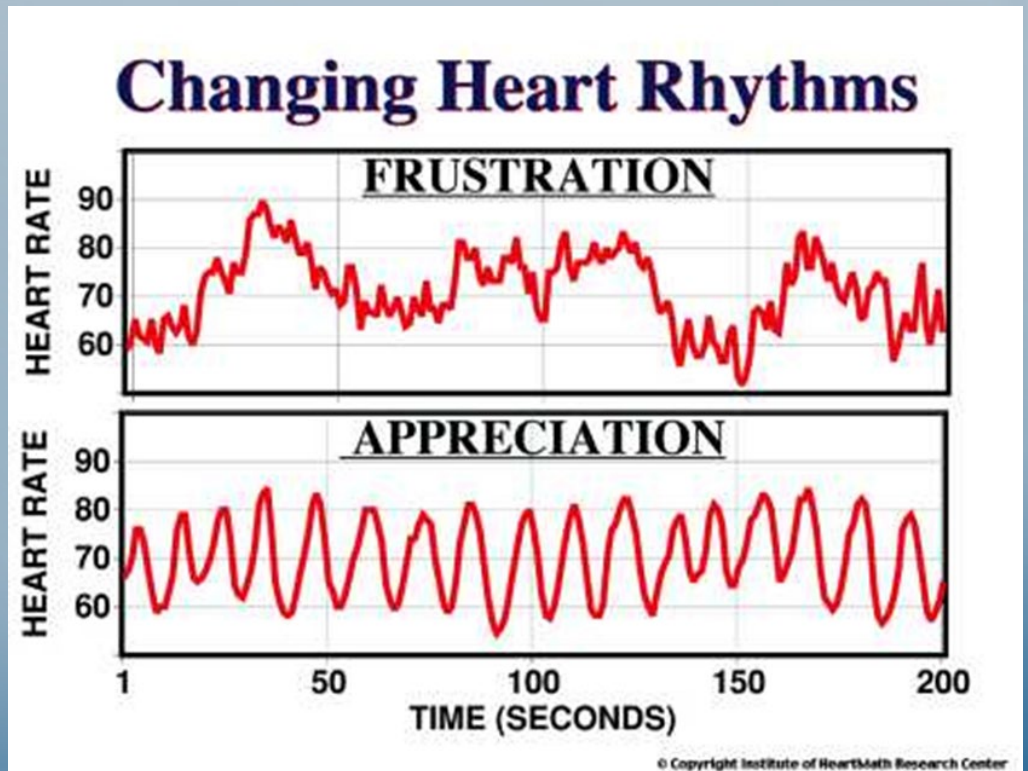


Compassion



Autonomic Nervous System

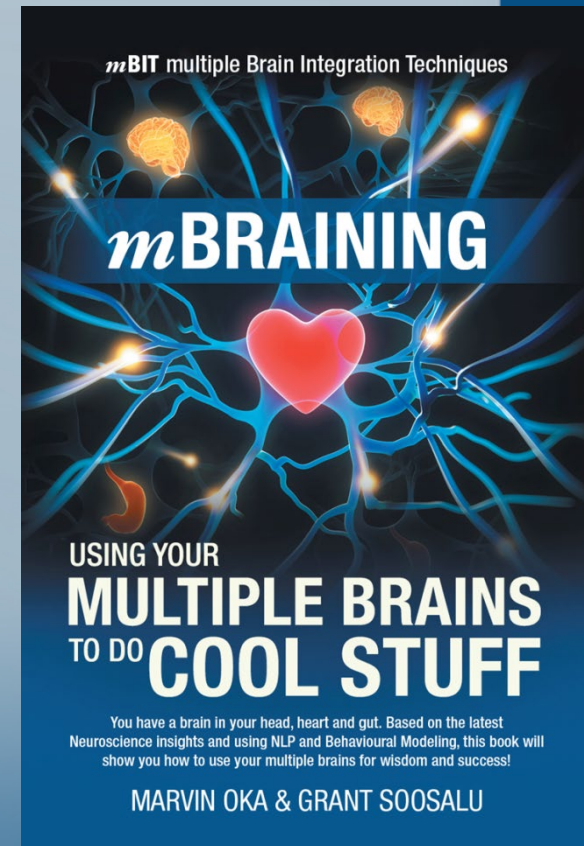
- Autonomic Coherent state – balance
- ANS impact on what neural networks do



What Next?

- Increasing Evidence Base
- Training and Awareness
- Raising curiosity and interest

mBraining.com



Thank You



mBraining.com

Grant Soosalu - grantsoosalu@gmail.com

Suzanne Henwood – shenwood@unitec.ac.nz