

KEY REMINDERS

- Programme completion session 1
 June
- May = repeat measurement period
- Take advantage of individual follow-up coaching session





RECOVER

Recovery is a fundamental part of a healthy stress response.

"Prioritise frequent, sufficient and good quality recovery"



REFRAME

It is how we perceive the stress that determines its effect on health.

"This is a helpful response, energising me so I can perform well"



REFOCUS

Anticipating or reliving an event has the same effect as the stress itself.

"Practice mindfulness to remain present to the current moment"



RELEASE

Managing stress is an oxymoron! Effort sustains the stress response.

"Key is to **allow** space and give yourself **permission** to relax, sleep & recover"



RELATE

The stress response has an inbuilt protection mechanism.

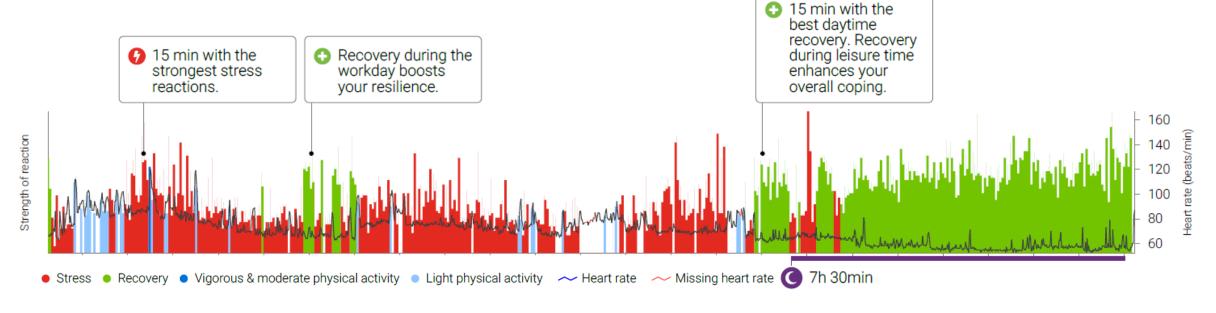
"Connecting with and caring for others boosts our resilience"

The five stress essentials

The traditional and popularised view is "stress is bad for our health".

This is simultaneously correct and useful as well as incomplete and unhelpful.

Stress is functional









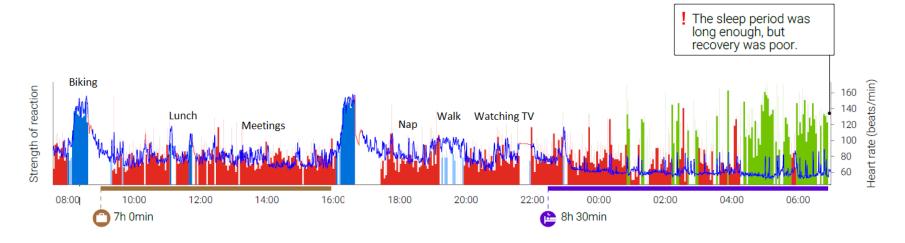


POSITIVE OR NEGATIVE STRESS?

Positive stress is functional and beneficial. It activates the body and improves efficiency, and generally does not inhibit day-time recovery or disturb recovery during sleep. We feel challenged in a positive way, it motivates us to meet the challenge and we are self-assured and feel capable. I have what it takes!



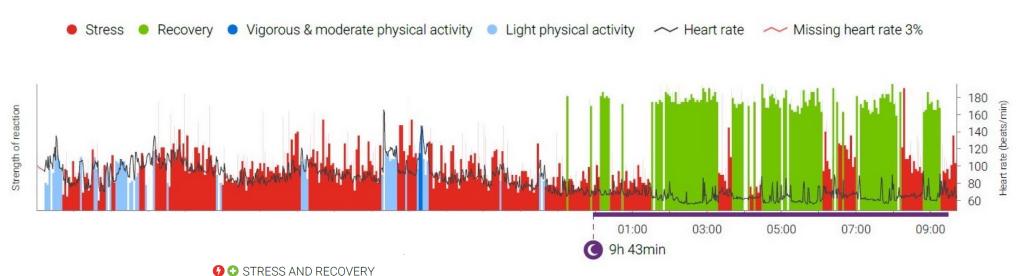
Negative stress is not functional and affects our health & performance. It keeps the body constantly activated (wired), blocks day-time recovery and disturbs recovery during sleep. We feel threatened, tense, uncertain, anxious and out of control or under pressure. I don't have what it takes.







What is often the actual key pain point?







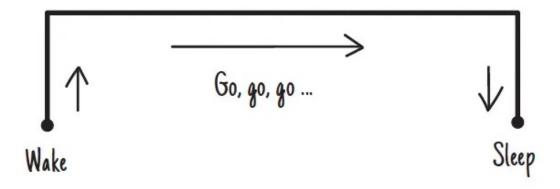
More often than not, the issue is a lack of recovery rather than a high stress load.





Chronic high stress load > erodes our capacity for recovery

How We've Been Told We're Supposed to Work



How We Actually Work



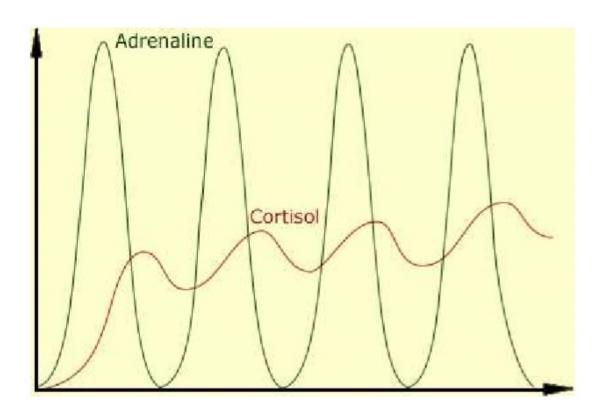


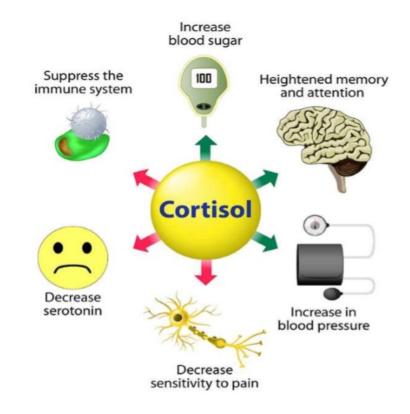
Our modern way of living is out of synch with our huma design parameters!



Chronic elevation of stress hormones

If there is lack of recovery after a stress activation, cortisol will not get the time to decrease and is sustained at chronically higher levels

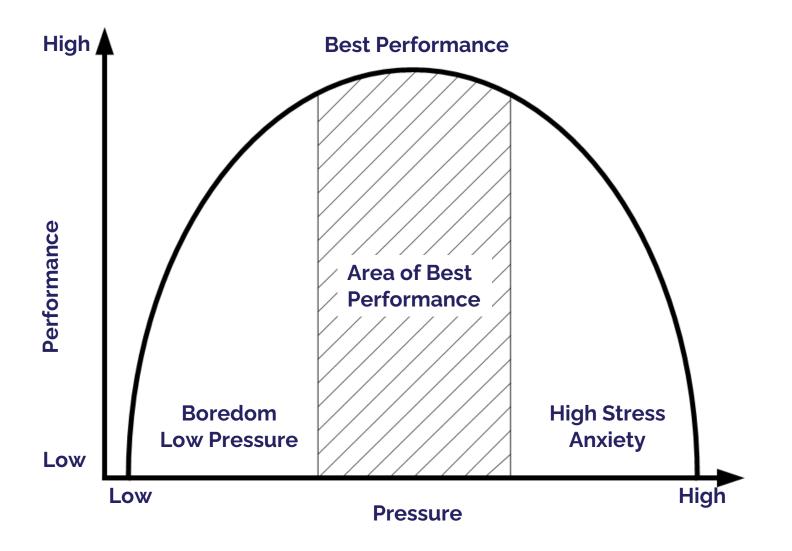








Stress and the inverted U model

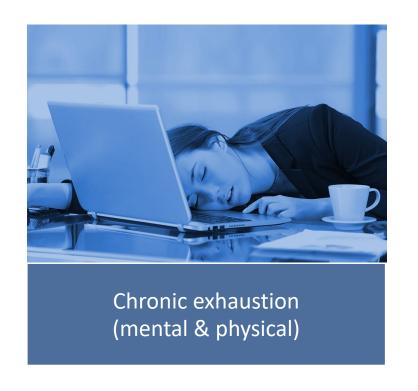


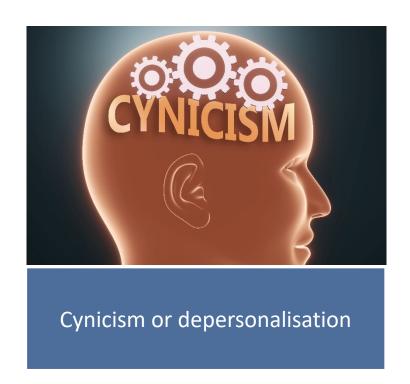


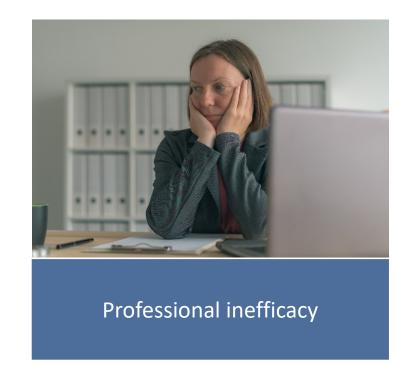
Strong and in particular sustained or chronic stress impairs performance



Risk of burnout – red flags











Human design = allowing our nervous system to function optimally

Sympathetic nervous system

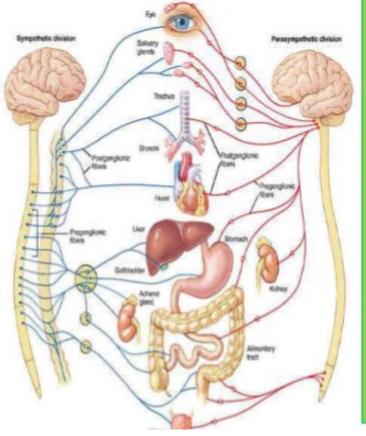
= Fight-flight

Dominant during a feeling of threat: prepares for fight of flight

"Accelerator"

Release of energy

Autonomic nervous system



Parasympathetic nervous system

= Rest/recovery

Dominant during a feeling of safety and comfort

"Brake"

Recovery of energy, healing and growth



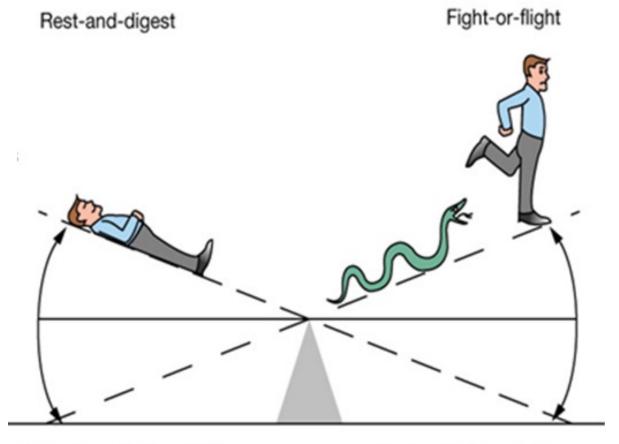
Accelerator

HRV lower

Brake HRV higher



Evolutionary design flaw





Sympathetic activity

Accelerator



The stress
response was
only ever
designed as an
acute,
emergency
response to
stressors.

Fast but temporary activation!



Modern living reality

Social / relationship stress

Environmental stress

Emotional stress (negative emotions, worry)

Mental / work / study stress

Nutritional stress

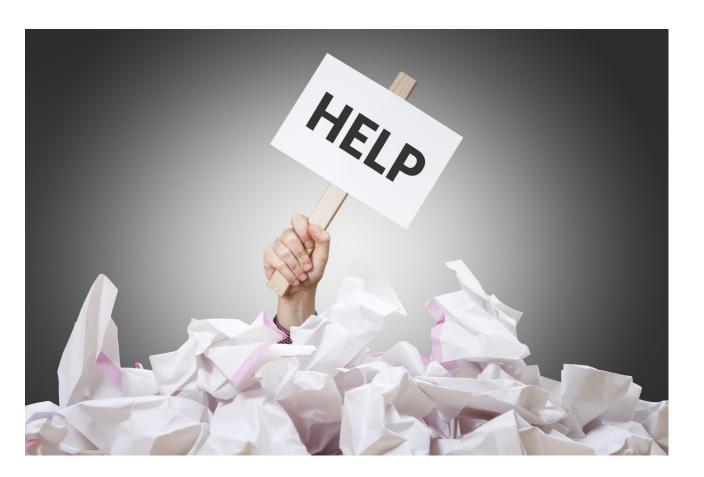
Social media / information stress

Financial stress

Physiological stress

Performance stress

Exercise stress



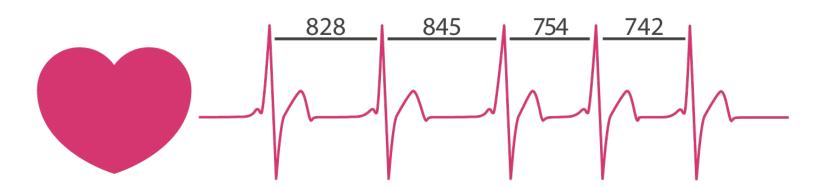


There is no shortage of demands on our stress response

"When invited to dance, we can choose not to tango!"



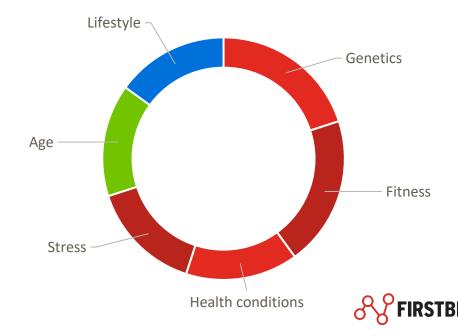
Having the capacity for good quality recovery



Heart rate variability (HRV) reflects the functioning, balance and resilience of all our regulatory processes. These processes keep us in tune and help us adjust to demands and changes.

They all operate at varying frequencies (e.g. circadian rhythm has a 24 hour cycle) and together they create a complex pattern of variability in our heart rate rhythm (controlled chaos).

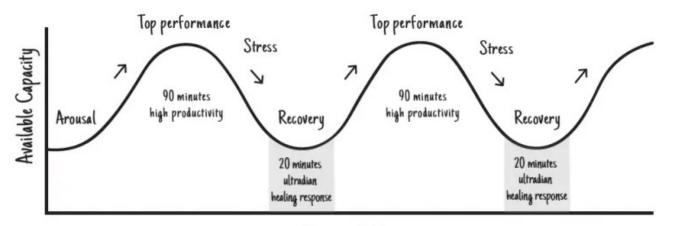
Factors that influence HRV (70 to 80% directly under our control)





Tapping into that capacity

Ultradian Performance Rhythm



Course of Day

Illustration adapted from The 20-Minute Break by Ernest L. Rossi, PhD (Tarcher Putnam, 1991)

Micro-moments of recovery and resets throughout the (work) day



Sleep practices for optimal recovery during sleep

- Get outside first thing in the morning
 - Light is the timekeeper of your circadian rhythm. Morning sun light striking your eyes triggers the transition to a new cycle. Get at least 30 min outside, without sunglasses, by noon.
- Power down in the evening

 Shutting off all electronics, ideally at sunset but at least two hours before sleep, avoids blue light from screens interrupting the production of melatonin.
- Give yourself permission to sleep

 Let go of "there are not enough hours in the day" and embrace the science that shows good sleep enhances performance and productivity (in addition to your health & well-being).
- Replenish the melatonin building blocks

 Replenish the melatonin building blocks

 Rew foods contain melatonin so focus on including its precursor tryptophan and the vitamins and minerals needed to produce it (Vitamin B6, magnesium, calcium and zinc) in your diet.
- Eat between sunrise and sunset

 Avoid or minimise food, alcohol and other substances after sunset to allow your body to get
- Reduce the temperature

 Contrary to popular belief our body temperature needs to lower during the night. Avoid a hot
- Use the bedroom exclusively for sleep

 Avoid multi-purposing the bedroom and keep it clear from distractions. If you cannot sleep

 get out of had and hap back into had only when sleepings returns
- Be physically active & exercise regularly

 Exercise uses up energy and makes you feel more tired at night. It also reduces stress and anxiety which are common reasons for not falling asleep and sleeping restlessly. Make sure to do high intensity workouts earlier in the day so they don't disrupt your sleep.
- Find your own wind-down routine

 Release stresses and emotions build up during the day with a wind-down routine to allow your parasympathetic pervous system to kick-in and downrequiate your level of activation.
- Put the clocks away

 Make sure (alarm) clocks are not visible. Watching the clock makes you worry and activates your mind, making sleep even more elusive.



Key takeaways

View stress in adaptive ways (our relationship with stress is vital)

Adopt a good sleep practice (sleep = best recovery opportunity)

Prioritise Ultradian Rhythm Breaks

(reset stress response throughout the day)

Connect & care

(buffer and protect through human connection)

Boost fitness level

(increases nervous system resilience)

Practice mindfulness

(develop capacity to be in the present moment)





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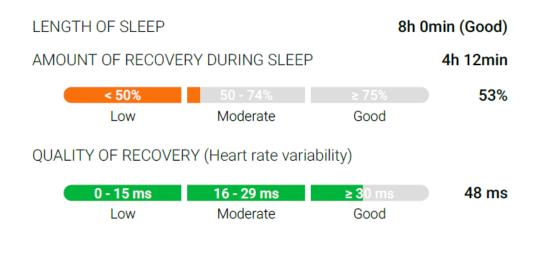
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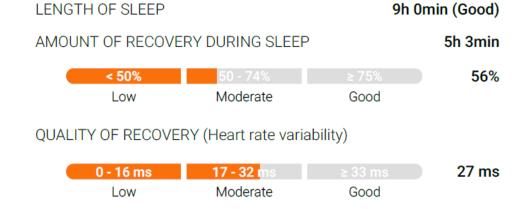
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Acute versus chronic stress?

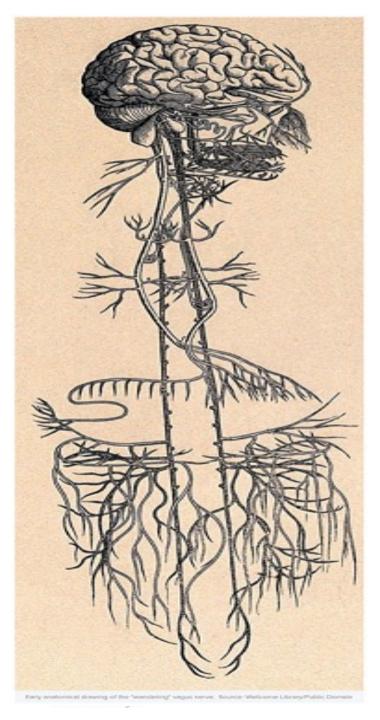
Quality high + amount low = acute stressor

Quality low to moderate
=
chronic stress









THE VAGUS NERVE



Higher Function

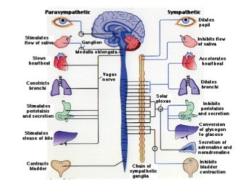
Psychological experience

Emotional self-regulation

Cognitive performance

Social engagement

Cognitive ageing

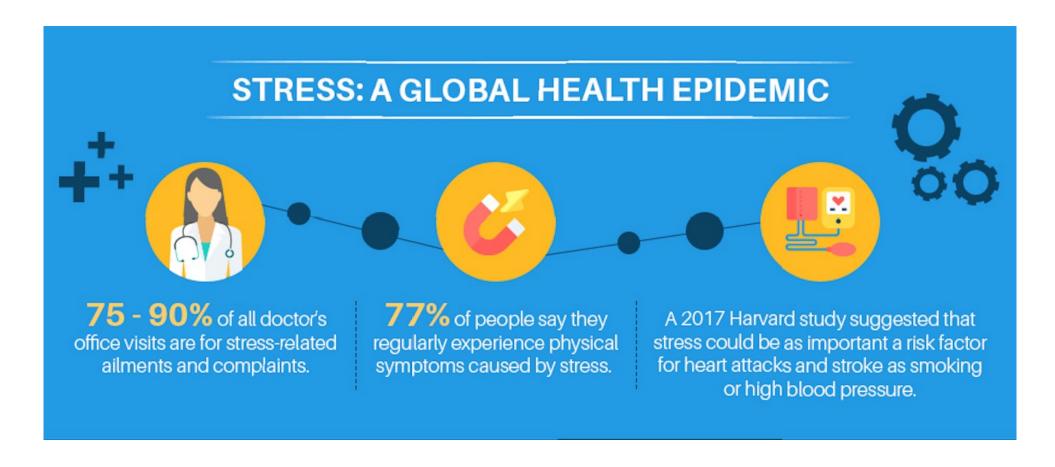


Deeper Function





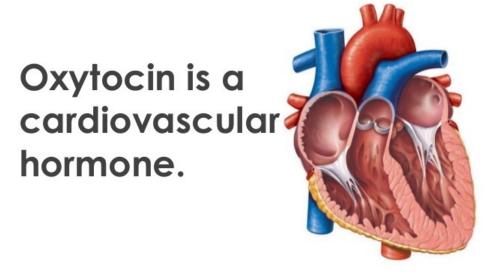
Relationship with stress really matters!



"Reporting a lot of stress <u>and</u> perceiving that stress affects health a lot increased the risk of death by 43% (from 3.5 to 5.1%)."



Relationships with stress really matter!





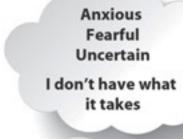
Gutkowska & Janowski (2012) Journal of Neuroendocrinology, 24(4).

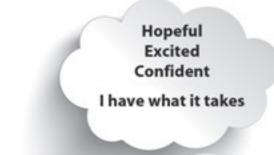
"Experiencing stressful events significantly predicted increased mortality among those who had not tangibly helped others in the past year, but among those who had provided help, there was no association between stress and mortality."

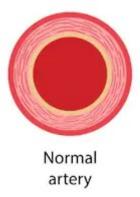


Relationship with stress really matters!















Threat

Negative mental approach to pressure situations. Mental resources do not meet demands of situation.

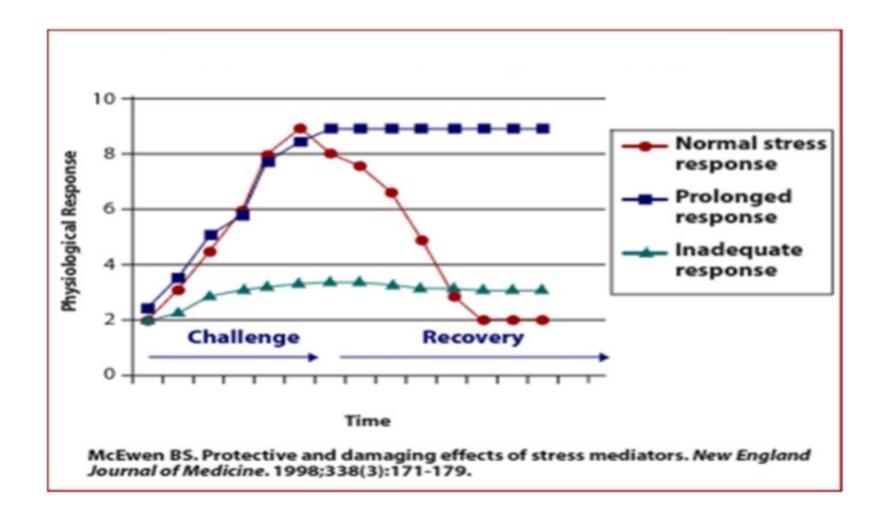


Positive mental approach to pressure situation. Mental resources meet demands of situation.





Normal & abnormal stress response









THANK YOU

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