

Thync

Shift Your State of Mind

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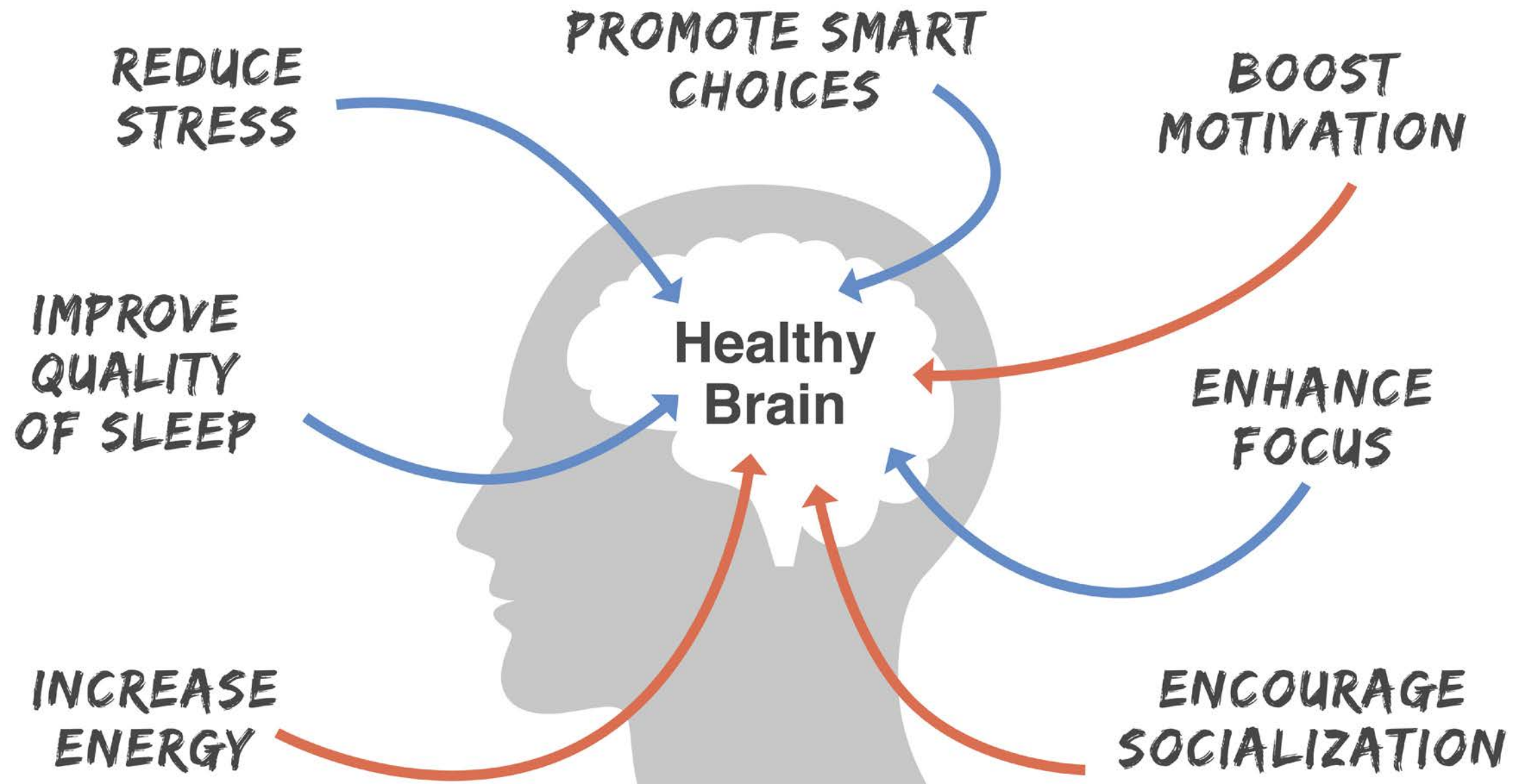
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Los Gatos, CA – Boston, MA

Neuroscience + consumer technology

Thync technology mission: Impact brain health.



How do you influence your brain?



Caffeine

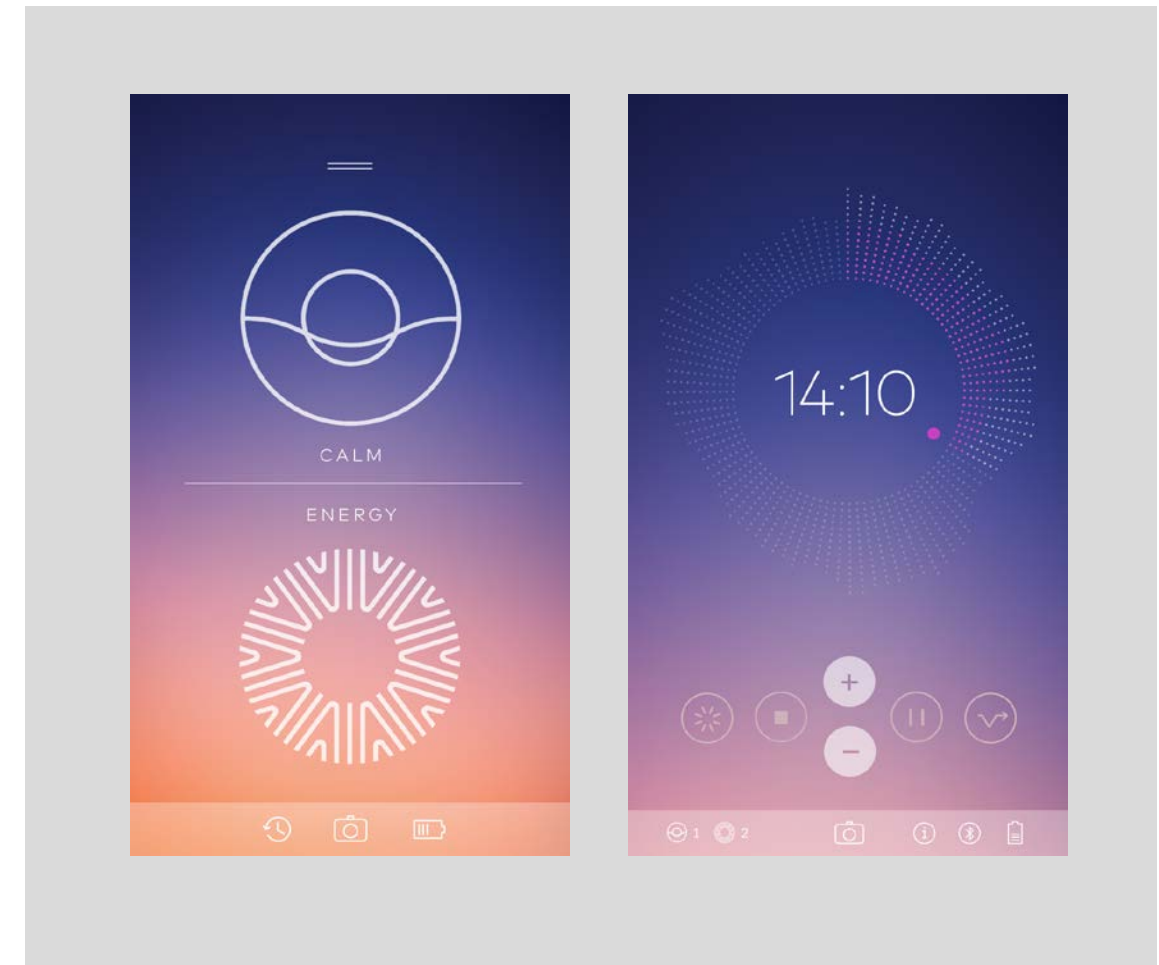


Alcohol



Pharmaceuticals

The Thync system: a wearable hardware device, custom electrodes, and app to deliver Vibes



Thync: principles of product development

Safety

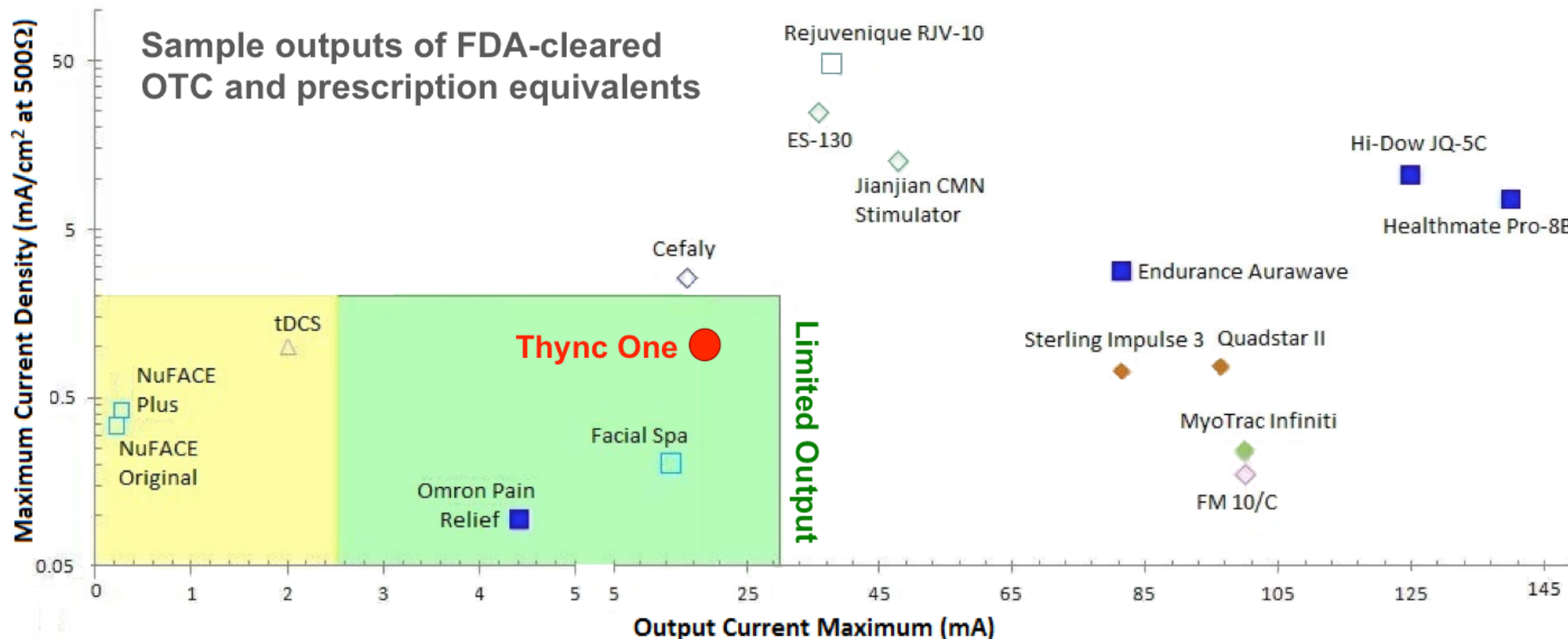
Efficacy

Usability

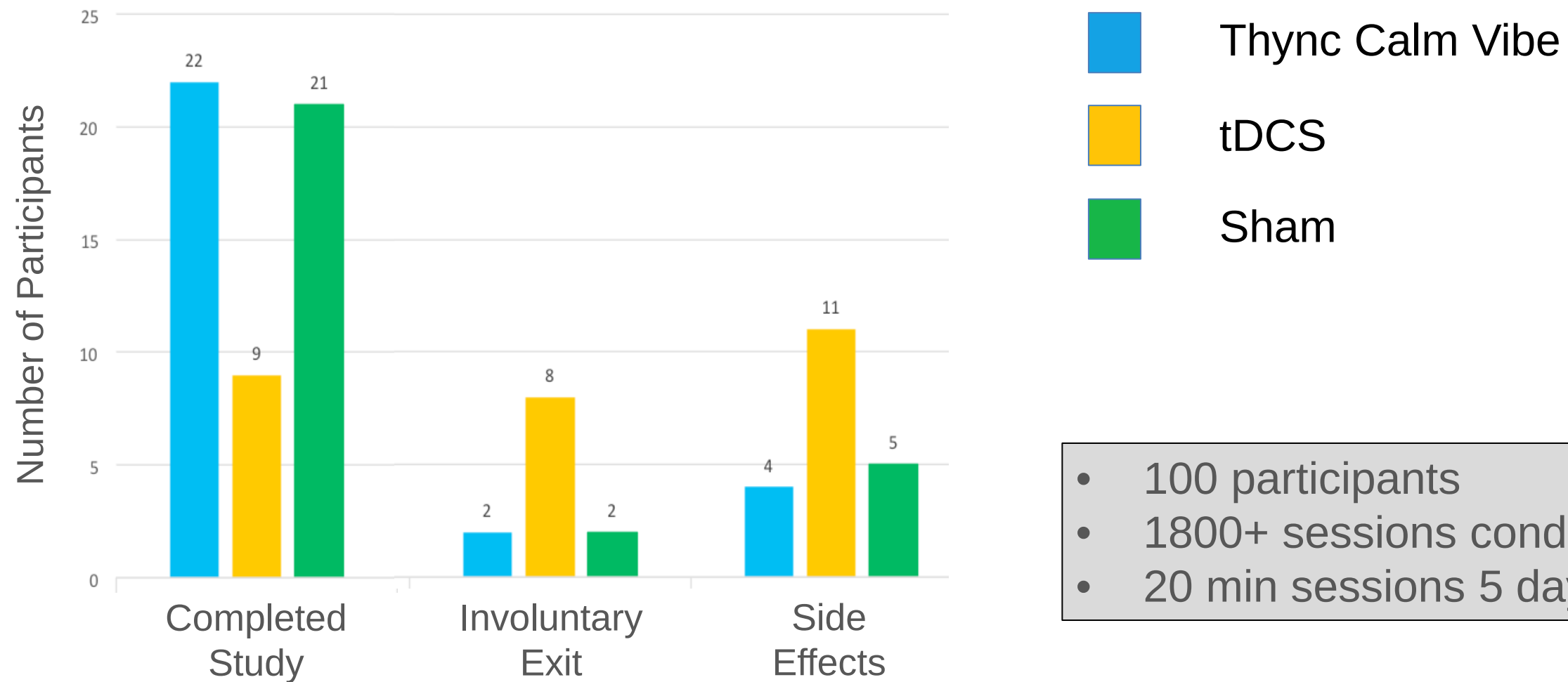
Safety

Thync Safety: Tested on Thousands

- Safety margin >100X below damaging thresholds
- Qualified/Confirmed by Independent CRO and Chronic use study
- Output levels below OTC TENS products and FDA guidelines
- Device enables control of exposure and intensity levels



Chronic use study outcomes

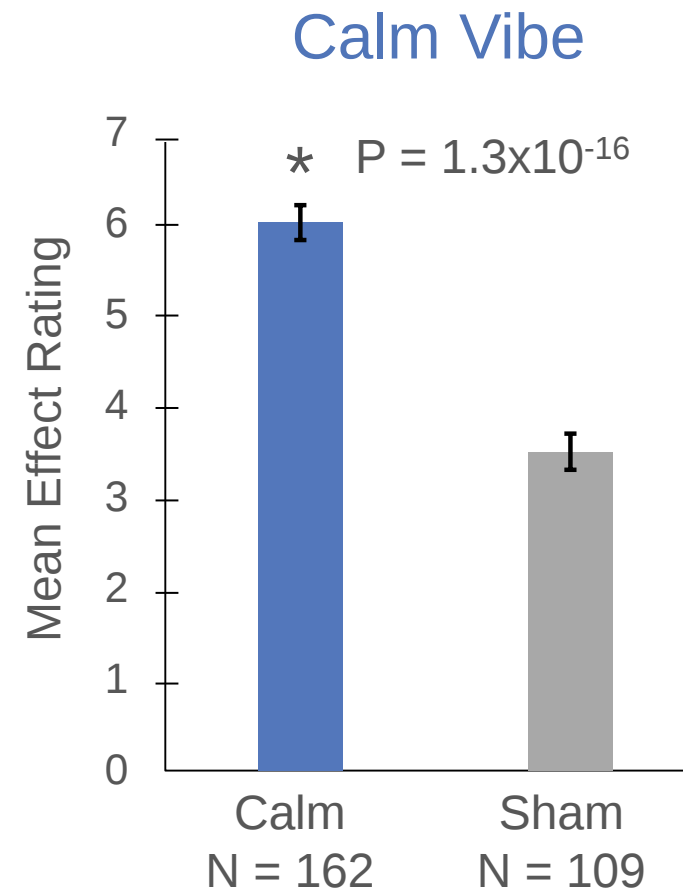
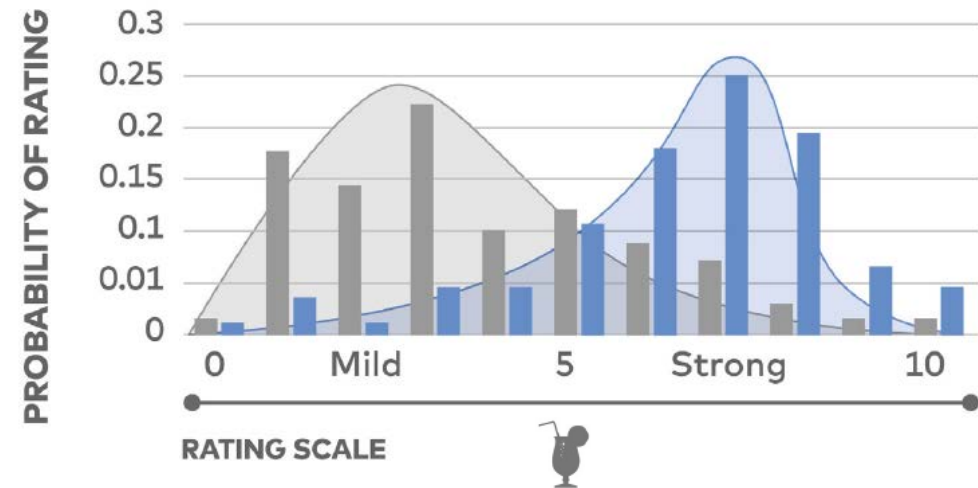


- 100 participants
- 1800+ sessions conducted
- 20 min sessions 5 days/wk for 6 weeks

Efficacy: Toward a Mechanism of Action

Individuals consistently report stronger effects for Vibes compared to sham controls

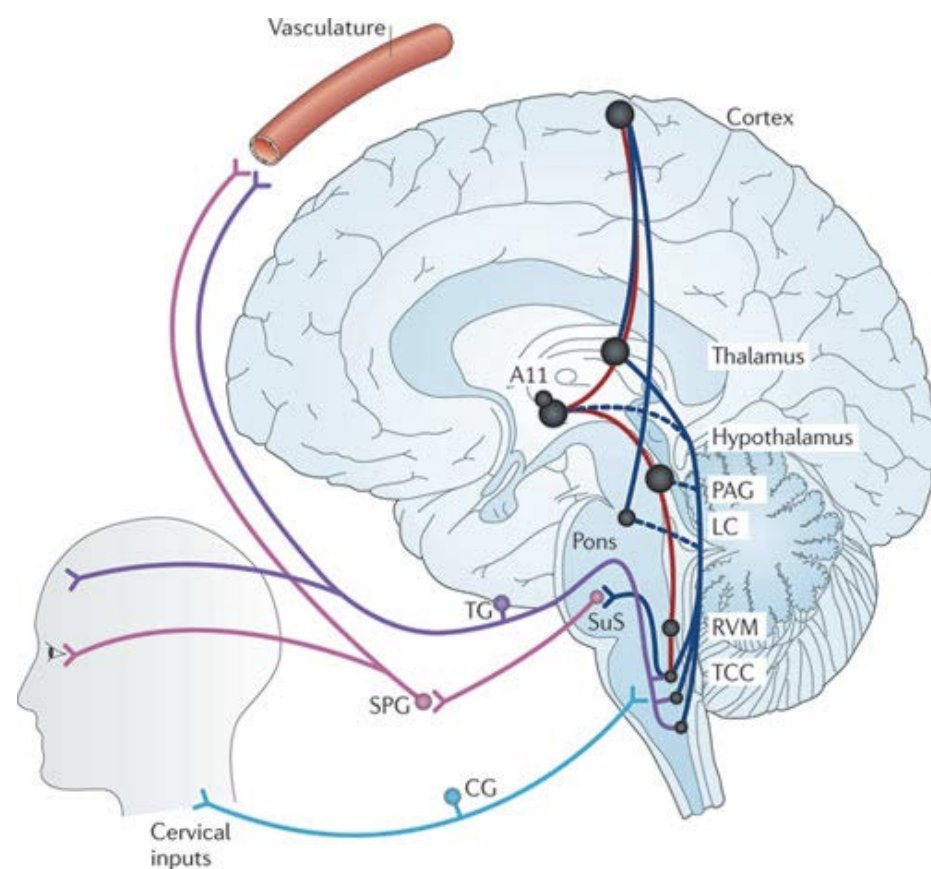
Distribution of **Calm Vibe** Scores



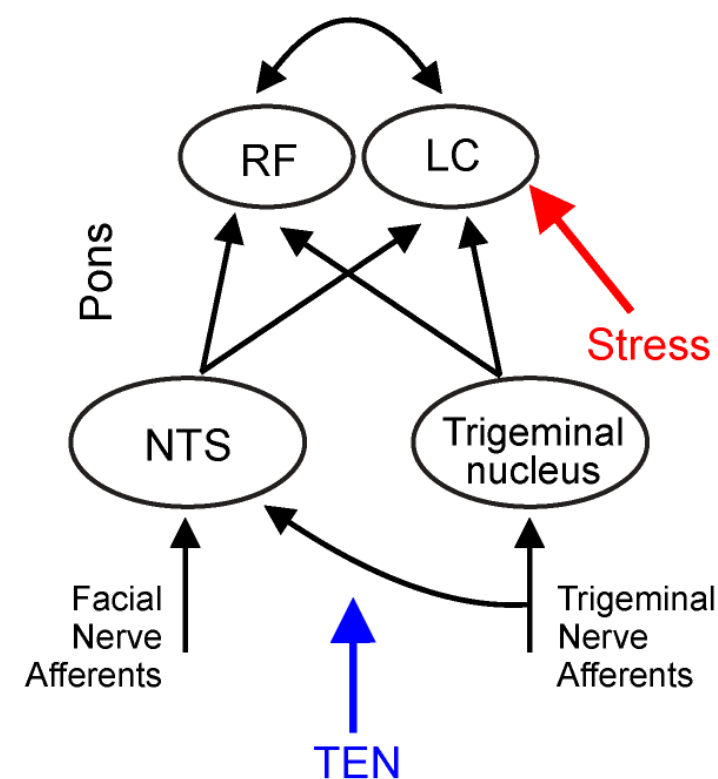
Suppression of human psychophysiological and biochemical stress responses using high-frequency pulse-modulated transdermal electrical neurosignaling.

William J. Tyler , Alyssa M. Boasso , Jonathan D. Charlesworth , Michelle A. Marlin , Kirsten Aebersold , Linh Aven , Daniel Z. Wetmore , Sumon K. Pal

doi: <http://dx.doi.org/10.1101/015032>



Nature Reviews | Neuroscience



↑ Tonic LC/NE Activity
↓ Phasic LC/NE Activity
↑ Sympathetic Tone
↑ SAM axis activation

↑ Phasic LC/NE Activity
↓ Tonic LC/NE Activity
↑ α_2 R Influence/
NE Feedback Inhibition
↓ Sympathetic Tone
↓ SAM Axis Activation

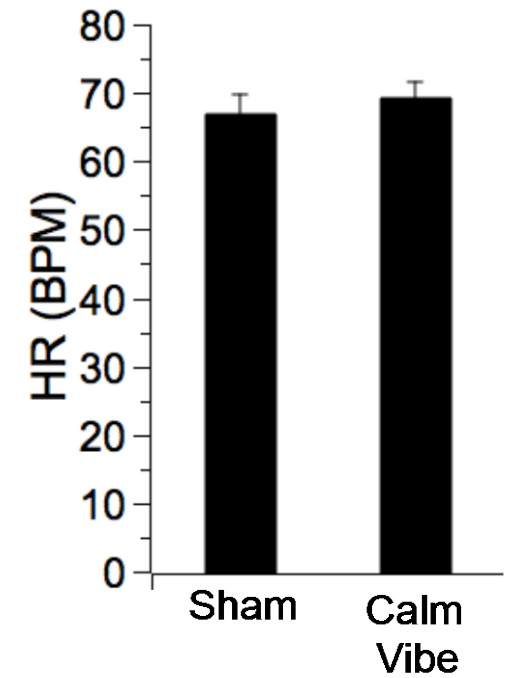
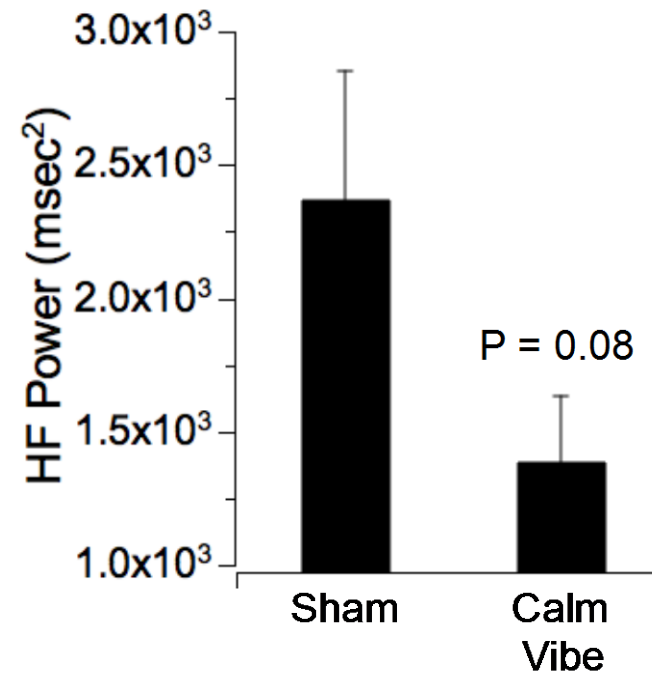
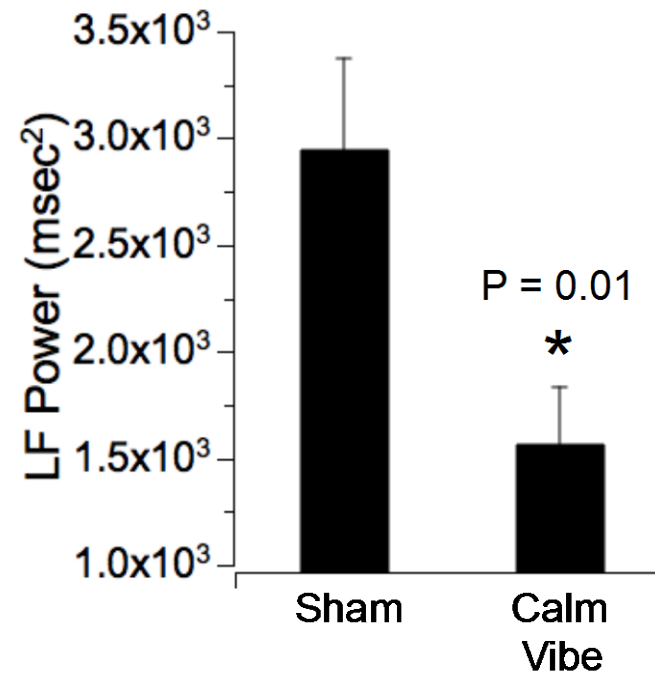
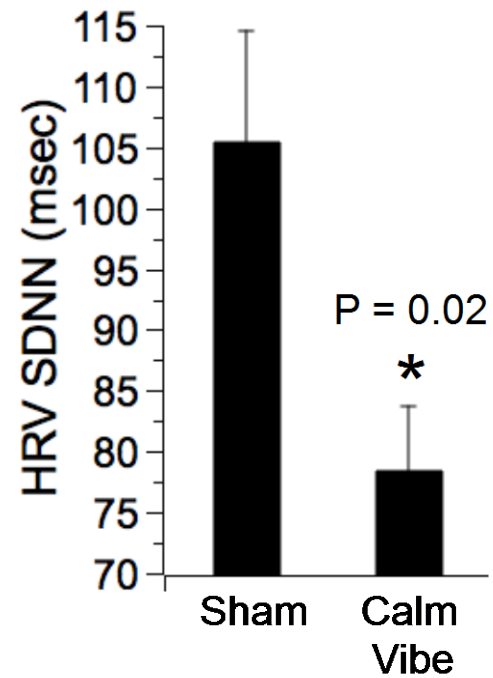
Thync

Calm Vibes do not affect cognitive performance

	TES!				Sham!				Comparison!		
	N	M	SD		N	M	SD		ANOVA	p\$	
Flanker!											
%Correct	10	100.00	0.00		10	99.00	2.11		F(1,19)=2.25	0.15	> > < > >
Congruent RT	10	612.37	249.27		10	570.43	190.43		F(1,19)=0.18	0.68	> > > > >
Incongruent RT	10	585.92	170.93		10	618.00	182.06		F(1,19)=0.17	0.69	

M=mean, SD=standard deviation, RT=reaction time in milliseconds.

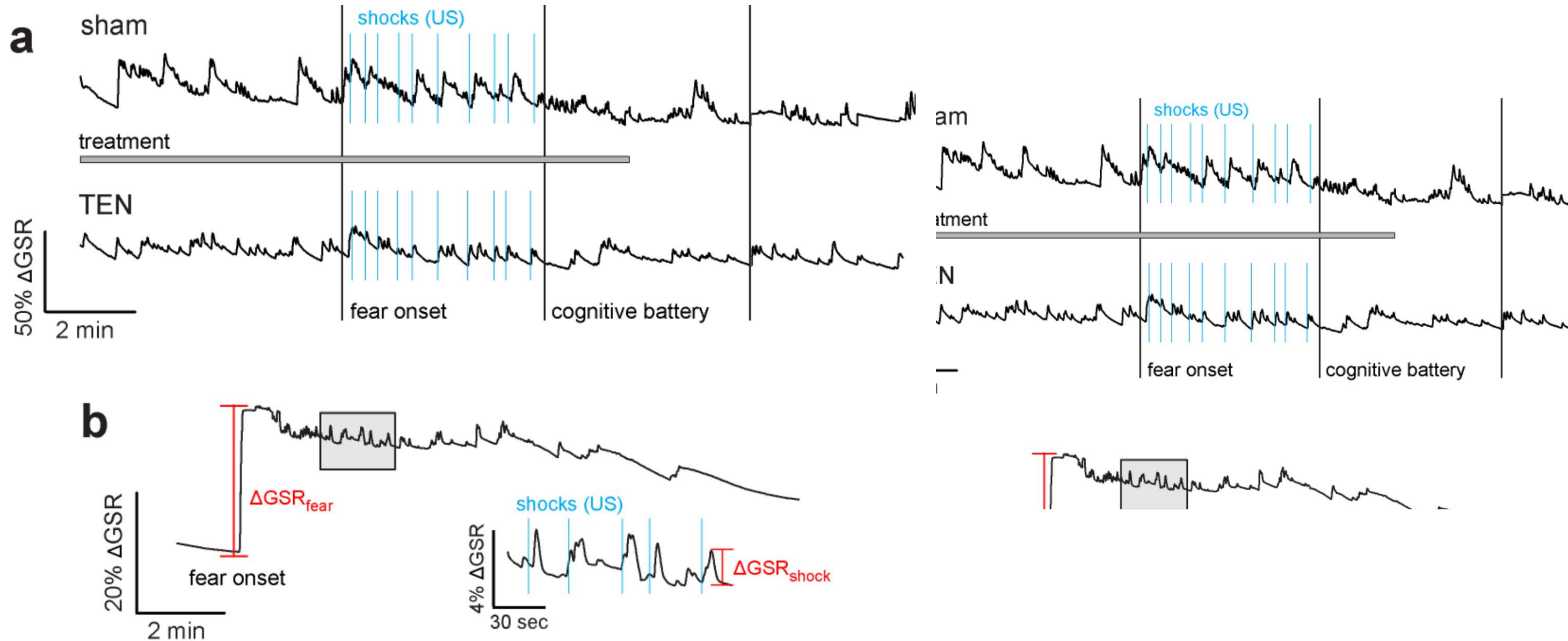
Calm vibes significantly reduce heart rate variability



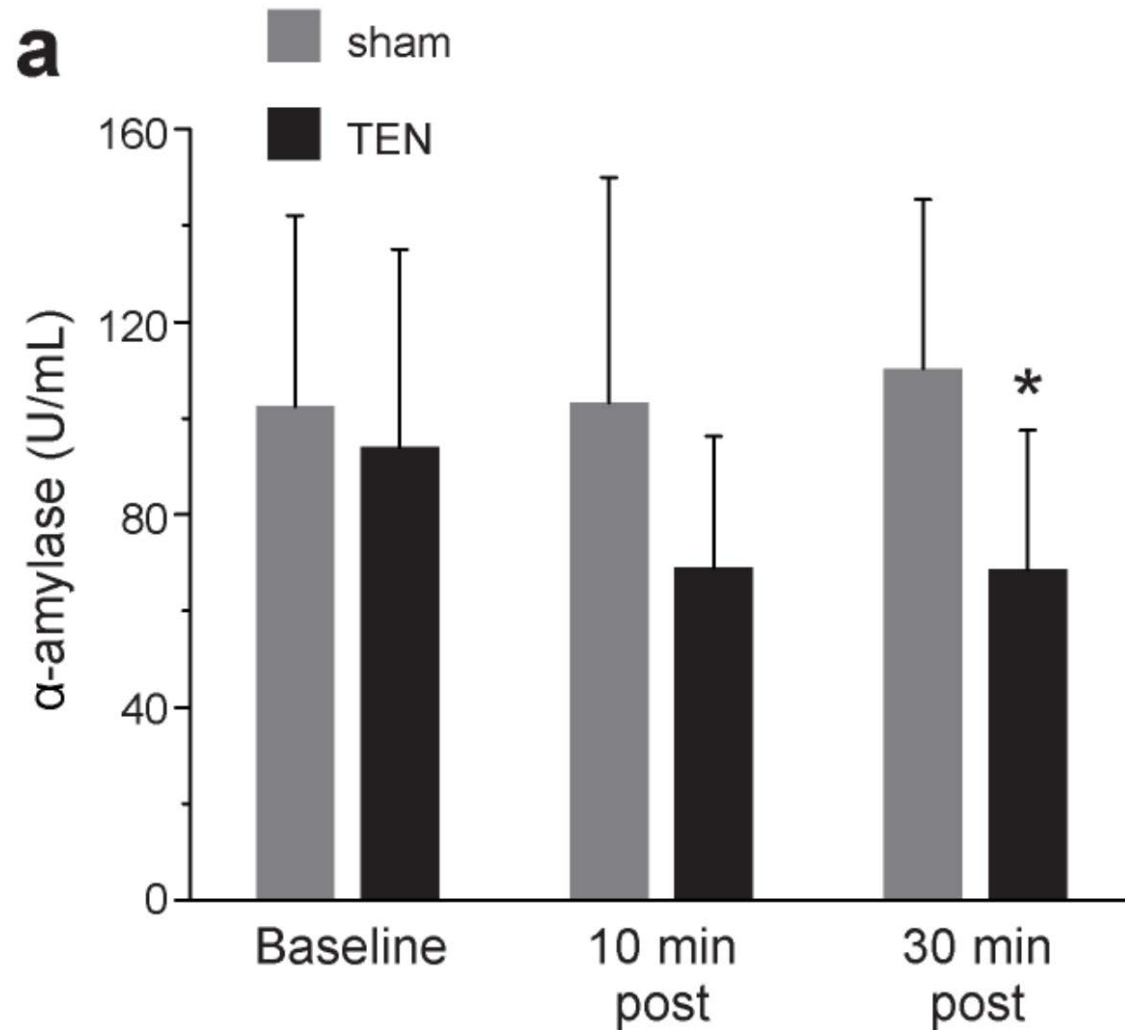
Heart rate variability,
reduced

Heart rate,
no effect

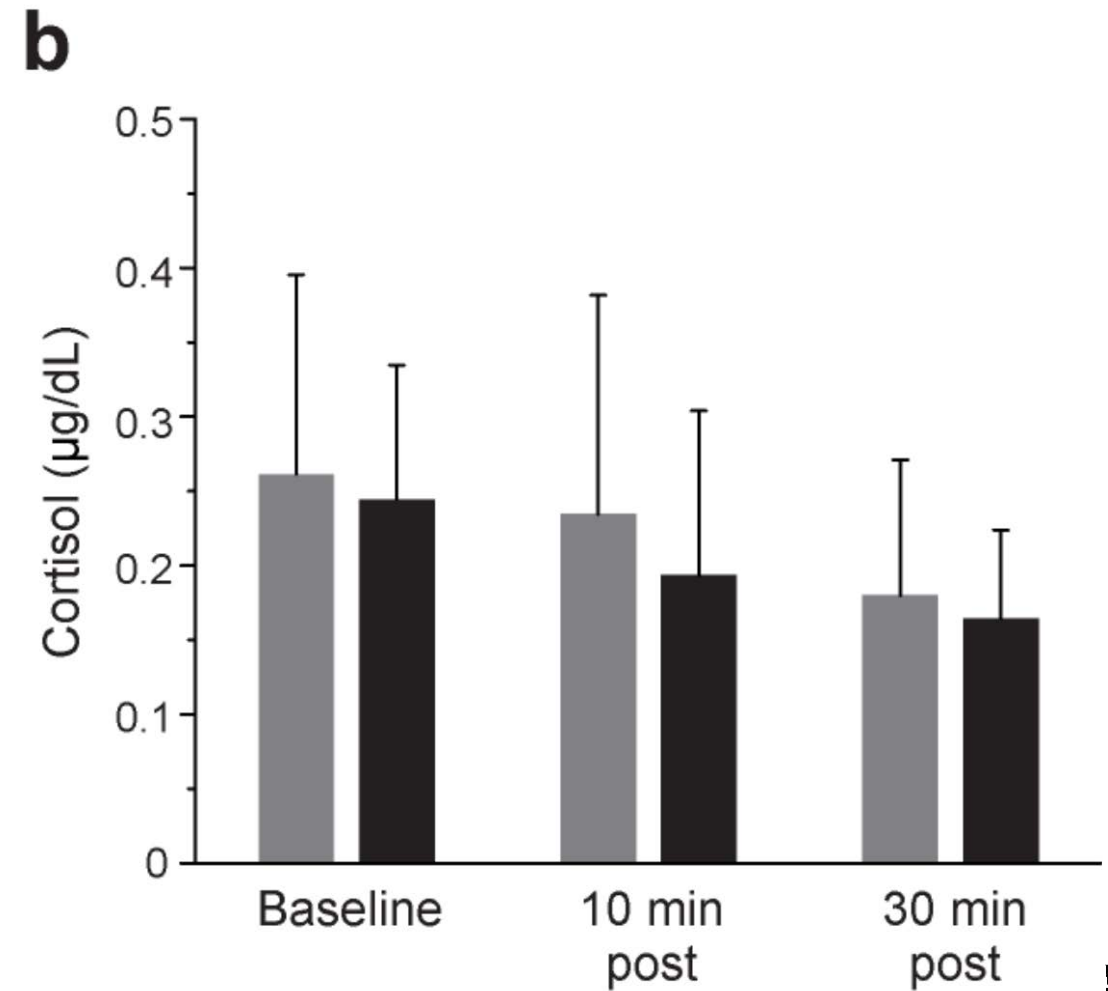
Calm vibes significantly suppress galvanic skin responses to stress



Calm vibes suppress biochemical responses to stress

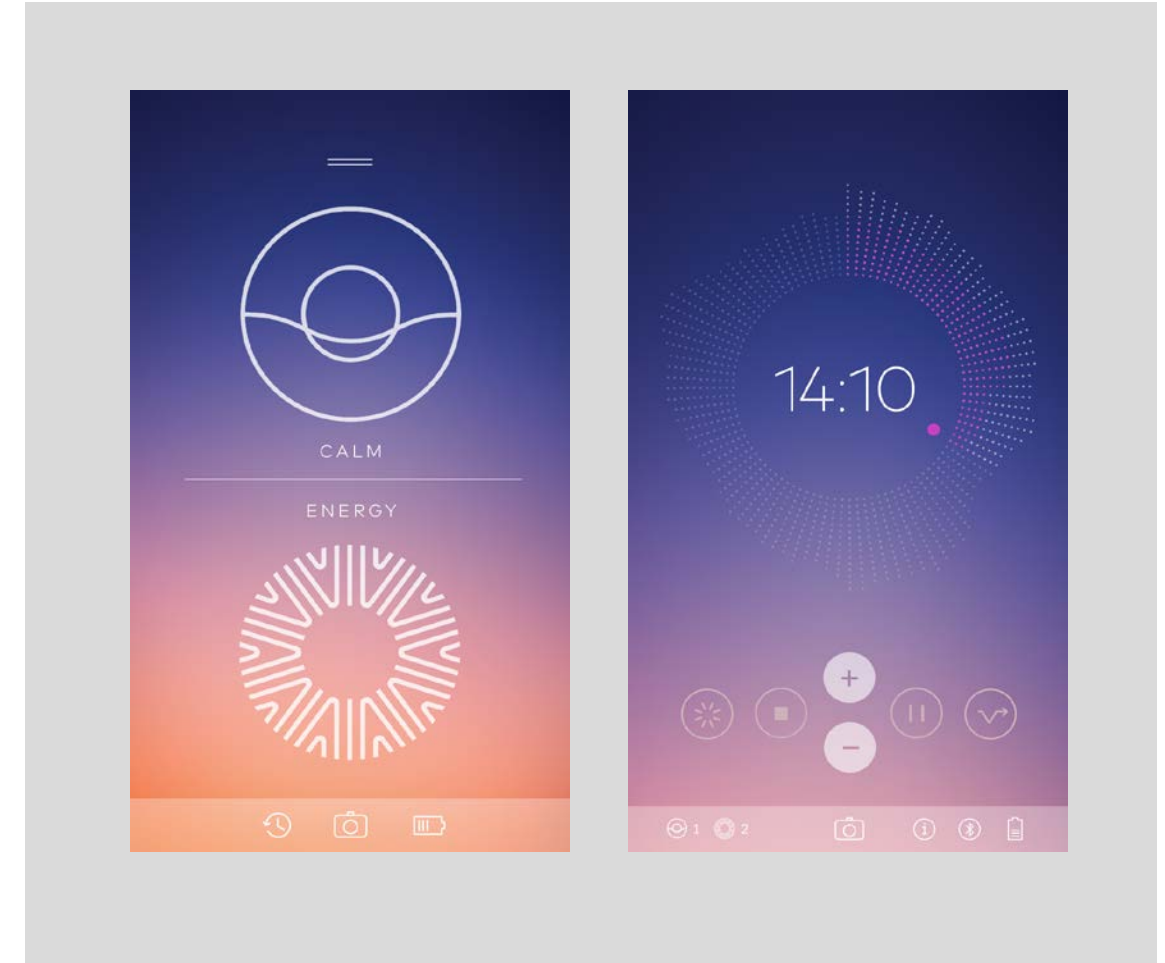


alpha-amylase,
suppressed



Cortisol,
no effect

Usability and Impact





Thync Alpha Life Integration Study

real world use cases

usability

safety & tolerability

critical feedback

optimization & customization

Quotes from users

“No coffee Day 1. Felt like I was superwoman for 5hrs.”

“Best night sleep in a long time, I could not keep my eyes open. Deep sense of calm in body and mind.”

“Woke feeling like I slept like a 100 years.”

“I felt like I could run forever”



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