Can Modifying The Azrieli Faculty of Medicine Psychobiology of Beliefs Lab Health Perceptions Improve Physical Health?

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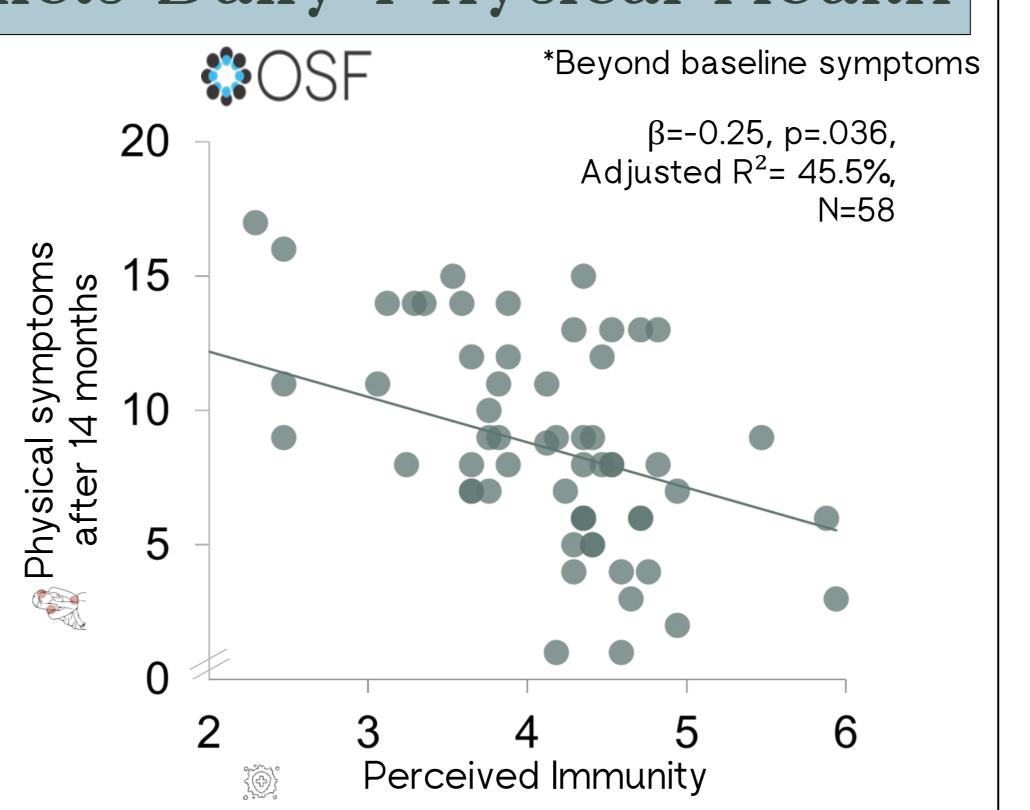
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Perceived Immunity: A Modifiable Health Perception That Predicts Daily Physical Health*

Perceived Immunity: The perceived ability of one's immune system to protect the body against diseases and cope with illness.

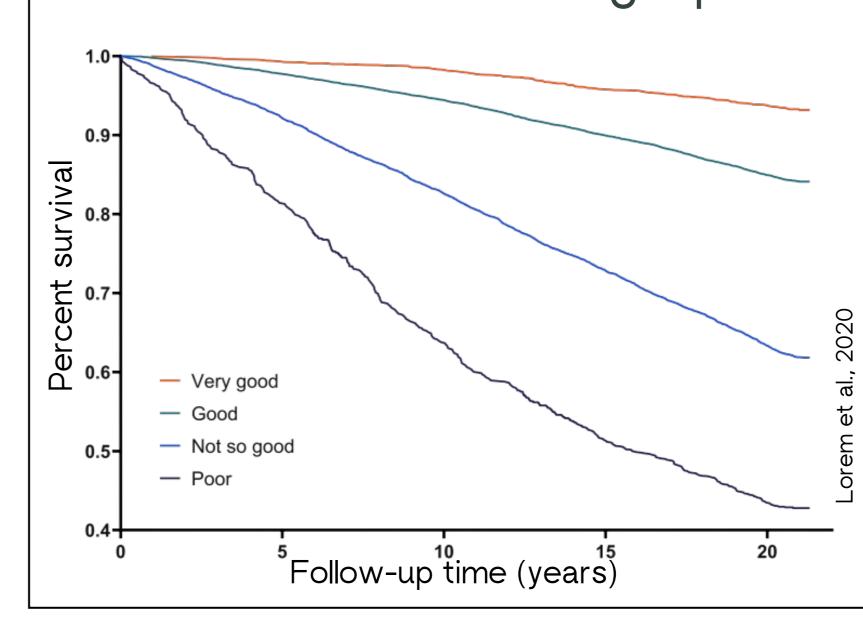


Mizrachi, Kube, Rozenkrantz, 2025



Background & Research Question

For decades, subjective health perceptions have been found to predict health outcomes, over and above objective parameters, such as health status or sociodemographic factors.

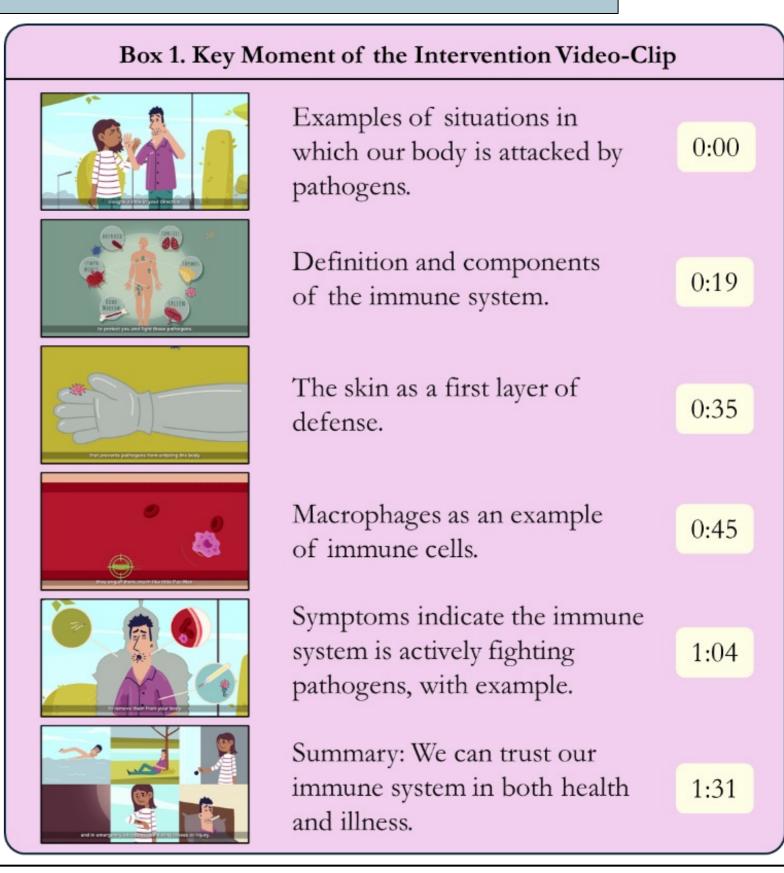


Is this link causal? Can we improve physical health by changing maladaptive health perceptions?

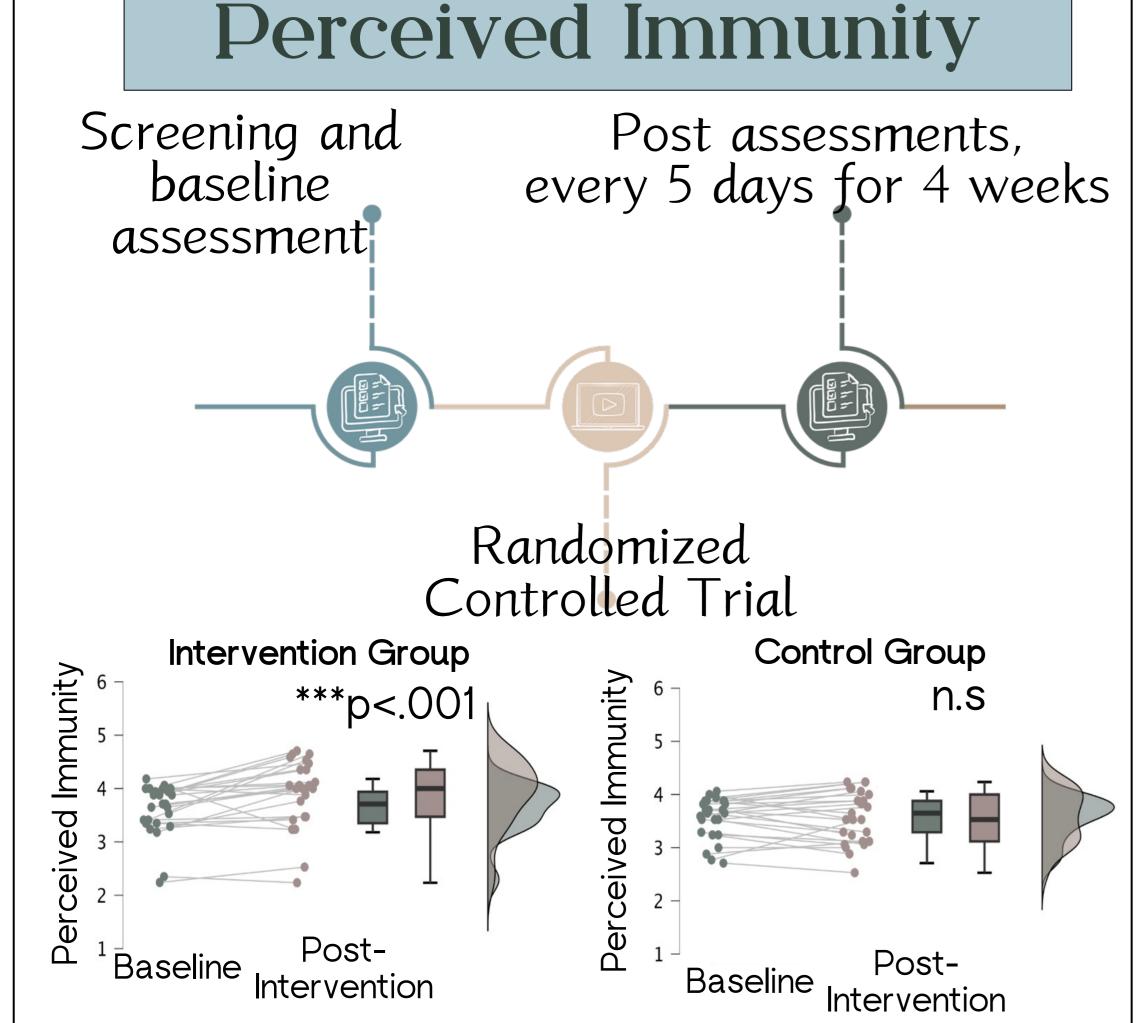
Intervention Development

A 2-min animated videoclip conveying evidence-based message about immune system effectiveness in protecting the body.

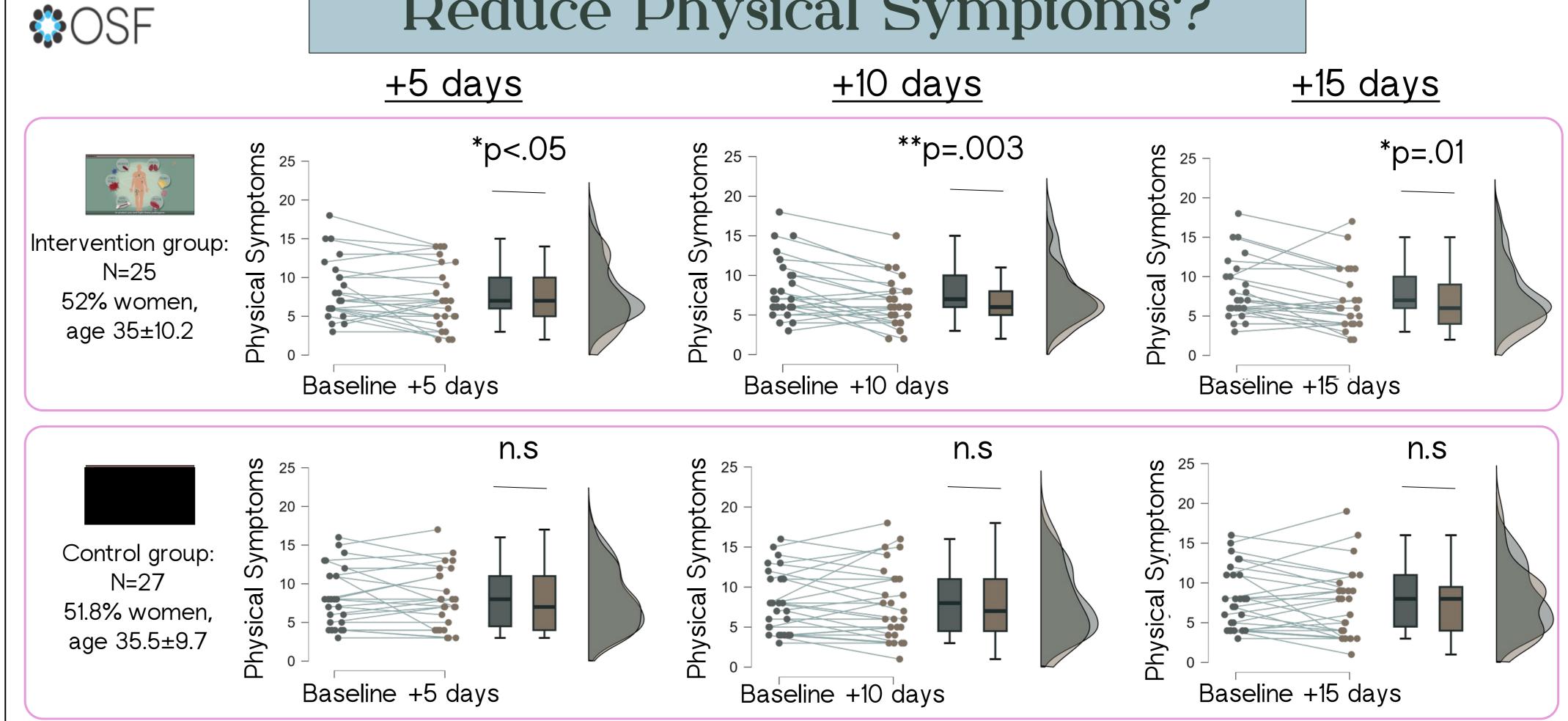
Clarity and interest validated in N=144.



Intervention Increases Perceived Immunity



Does Increased Perceived Immunity Reduce Physical Symptoms?



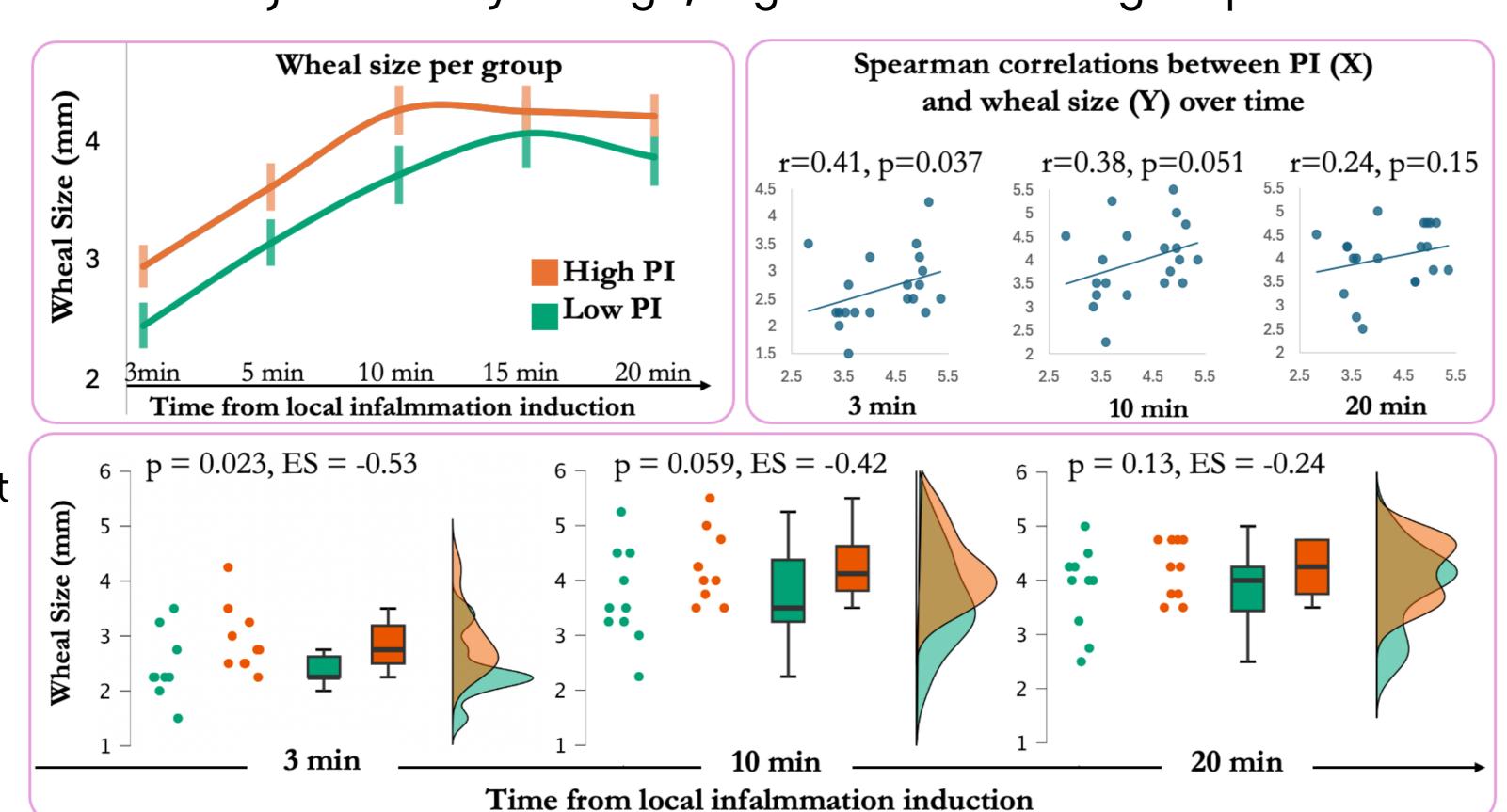
Possible Mechanism? High and Low-PI Groups Display Different Immune

Response to Local Inflammation

A pilot between-subject study design, high- and low-Pl groups

Low PI: High Pl: 3.5 ± 0.34 5 ± 0.2 Induction of Local Infalmmation: Histamine Skin Prik Test

N = 20 (preliminary):



Conclusions

first provides the causal long-established the between health perception and physical health outcomes.

We identified a novel health perception and developed an intervention to modify it. A short, 2-min videoclip successfully increased perceived immunity and further reduced physical symptoms over time.

mechanisms Possible include altered immune responsivity and should be tested in future studies.