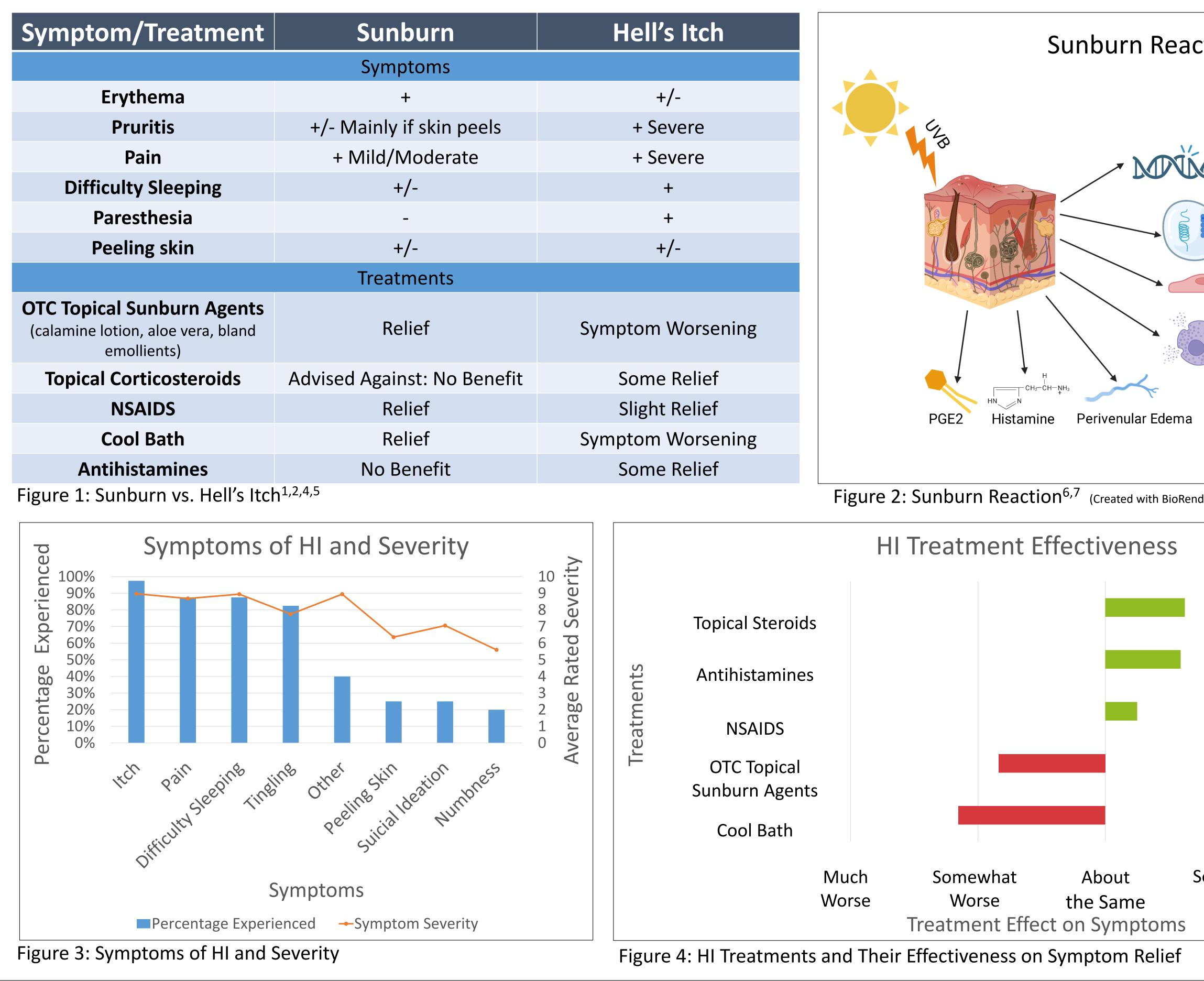


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INTRODUCTION

Hell's Itch (HI) is a condition characterized by severe itch and pain experienced days after a sunburn, often triggered by showering, that typically gets worse with most topical sunburn treatments.¹ The condition is widely unknown to the medical community with only three peerreviewed articles published to date, yet a Google search of this condition yields hundreds of thousands of results.¹⁻³ Our lack of understanding of HI leaves most afflicted individuals without medical treatment, causing them to resort to social media for guidance, leaving anecdotal data from these sites as the basis for our current understanding.¹⁻³ Valid and reliable data is an essential next step in strengthening our understanding of HI.

PRELIMINARY RESULTS



Hell's Itch

METHODS

Survey designed to gather information regarding participants experiences with HI Distributed on social media sites specific for the condition

Survey Contents:

Basic Information

- Number of episodes
- Skin type

Episode Information

- Sunburn information
- Symptoms
- Treatments and effectiveness

- Hell's Itch
- Family history of Specific medical
- conditions

tion		
	DNA Damage - Thymine Dimers	
	Dyskeratotic and Vacuolated Keratinocytes "Sunburn Cells"	
	Endothelial Cell Enlargement	
	Mast Cell Degranulation	
der.com)		
Somewhat Much Better Better		

QUOTES FROM HELL'S ITCH SUFFERERS

- torture."⁸
- you're experiencing."⁸
- "I was nothing but a consciousness experiencing the sensation of hell on Earth."⁸
- "I have never experienced anything so painful that it made me contemplate taking my own life, but this was it."⁸

FUTURE DIRECTION

- Characterizing HI
- Establishing a difference from sunburn
- Determine what treatments are the most effective • Explaining the pathophysiology
- Educating healthcare professionals

REFERENCES

1. Toljan K. Another report of Hell's itch due to su
2. Wyckmans MM. Hell's itch could be caused by
<i>Travel Medicine</i> . 2021;28(1):taaa204. doi:10.109
3. Wilder-Smith AJ. Hell's itch due to sunburn. <i>Jo</i>
4. DynaMed. Sunburn. EBSCO Information Servic
com.proxy.rvu.edu/condition/sunburn
5. Young AR, Tewari A. Sunburn. UpToDate. https
11, 2022.
6. Gilchrest BA, Soter NA, Stoff JS, Mihm MC Jr. T
1981;5(4):411-422. doi:10.1016/s0190-9622(81)
7. Al Mahroos M, Yaar M, Phillips TJ, Bhawan J, G
Dermatol. 2002;138(11):1480-1485. doi:10.1001
8. Hell's Itch. reddit. https://www.reddit.com/r/ŀ

Medical History

Demographics

- Age
- Age during episodes
- Place of residence

"It was the first time in my life where not being alive genuinely sounded like a better option. I was exhausted, and had to learn to not fight it, but totally surrender to the

"The itch takes away everything you enjoy about life, because all you can think about is the absolute torture that

ournal of Travel Medicine. 2019;26(1):tay124. doi:10.1093/jtm/tay124 ces. Accessed October 11, 2022. https://www-dynamed-

s://www.uptodate.com/contents/sunburn. Published August 4, 2022. Accessed October

The human sunburn reaction: histologic and biochemical studies. J Am Acad Dermatol.

Silchrest BA. Effect of sunscreen application on UV-induced thymine dimers. Arch /archderm.138.11.1480 HellsItch/. Accessed October 11, 2022.

Sunburn. Journal of Travel Medicine. 2020;27(7):taaa182. doi:10.1093/jtm/taaa182 neurogenic inflammation: proposed pathophysiology and treatment options. Journal of 3/itm/taaa204