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Alberta SPOR SUPPORT Unit



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Project Title:
Implementing Patient-Centered Methods to Improve Outcome Measurement and Treatment Evaluation in Prurigo Nodularis

ABOUT SAMIHA

Samiha Mohsen is a dermatology resident and first-year PhD candidate in the Clinician Investigator Program at the University of Calgary, supervised by Dr. Glen Hazlewood and Dr. Aaron Drucker. She completed her Doctor of Medicine at the University of Toronto, where she served as Class Co-President, and holds a Master of Science in Community Health Sciences from the University of Calgary and an Honours Bachelor of Science in Biology from Grand Canyon University. Her research interests include clinical epidemiology, evidence synthesis, patient-oriented research, and outcome measurement in dermatology. Outside of medicine and research, she is a member of the Egyptian National Swimming Team, a former NCAA Division I team captain, and a two-time African Championships gold medalist.

PROJECT SUMMARY

Prurigo nodularis is a chronic skin disease characterized by intensely itchy nodules that are often widespread and highly visible. People living with prurigo nodularis experience significant suffering, including sleep disruption, social withdrawal, and embarrassment. Emerging therapies offer hope, but there is currently no standard way to measure whether these treatments are working. In addition, current outcomes reported have been predominantly selected by researchers, not patients.

In this study, we will identify and prioritize the outcomes that matter most to people living with prurigo nodularis. We will start by reviewing all existing clinical trials to understand what has been measured to date. We will then conduct interviews and focus groups with patients, clinicians, and other stakeholders to capture what meaningful improvement in prurigo nodularis looks like from a patient's perspective. From these findings, we will develop a core set of outcome domains. The domains will be voted and agreed upon by patients, clinicians, industry representatives, and regulators. Lastly, we will also analyze published data from all available clinical trials to compare the efficacy and safety of current and emerging treatments through a living, continuously updated, meta-analysis.

The ultimate goal of this work is to create a standardized set of patient-centered outcome domains in prurigo nodularis. By identifying outcomes that are meaningful to patients, this research will support more patient-centered clinical trials, improve how treatment success is evaluated, and help guide future therapeutic development and decision-making in both research and clinical practice.