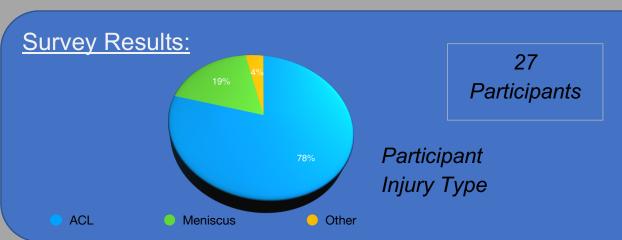
The Case for Developing a Modern Knee Brace

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Purpose:

To develop a comfortable and effective knee brace that provides flexibility for cooling that will allow the modern patient to be closely adherent to their therapeutic plan and reduce their dependence on pain medications.



Frequent Icing (RICE)
Hassle Factor

The Problem:

- Knee Immobilizer
 - Bulky
 - Uncomfortable
 - Uncooperative
- Cooling Protocol
 - Inconvenient
 - o Hassle
- Both essential, but independent!



Participants preference: RICE versus medication

Survey of Knee Injury Patients:





- Optimize recovery from acute knee injury
- A way to facilitate cooling while stabilizing recovering knees throughout the workday
- Empower everyday people
 Restore family life
- Restore work life
- Restore recreational life





Importance to Physical Therapy:

This new knee brace will allow patients to closely adhere to injury and postoperative therapeutic plans while maintaining mobility for the modern world. This will aid in shorter recovery time from injury and potentially less dependence on perioperative pain medications.