

MORE ACCESSIBLE FOR ELDERS

Tired 00 OF ADULTS GET **OVARICOSE VEINS** 

Sendentary Lifestyle











**Corset Sock** ndle sock adds 2 strong elastic handles to the sides of the sock to facilitate grip when pulling it up, and the handles ar

collapsible to make them non-obtrusive. The corset and velcro ideas make the sock loose to put on, then adjustable to ghten on the leg. The corset sock uses polyester boning and laces up, while the velcro sock uses attachable elastic straps



Velcro Sock

# **Our Uniqueness**

Normal blood flow

Normal vein

Abnormal blood flow Damaged valve

Varicose vein

(painful)

- ACCESSIBLE User-Centered
- No/Little Strength
- Requirement · Remain Cheap
- Easy to Use

#### SIMPLE

- No Prior Knowledge
- No Excessed Machinery
- No Complicated Procedure
- Intuitive

## **EFFECTIVE**

- Treat the Disease
- No Causing Harms
- Easy to Sustain & Clean

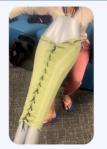
TRACTION EXPERIMENTS

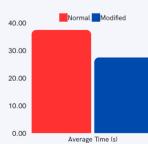


### **Subject Tests**

- We asked students to wear the handle sock, and added different hurdles to simulate the difficulties that elders might face.
- We timed them wearing normal vs modified sock.

The **corset sock** was made too big to test with human subjects, so we tested functionality on the dummy leg.





Refine Prototypes

#### **EARLY ADOPTER PLANS**

- Partner with local hospitals and geriatric care homes
- Doctors can recommend our product to patients
- Contact local manufacturers

**FUTURE**