

Medical prosthetics for plastic surgery: Adherent Interface System

Client: Greg Gion, Medical Art Prosthetics, LLC

Team Members:

Lindsey Carlson (co-leader)
Nicole Daehn (co-leader)
Matt Kudek (communicator)
Chris Walker (BWIG)
Paul Schildgen (BSAC)

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Problem Statement:

Design an adhesive system for silicone facial and body prosthetics that can withstand the effects of sweat, skin oils, and movement. The solvent system of the adhesive should not deteriorate the prosthetic. This bonding agent must not run and must be lightweight, aerated, and compressible in order to more closely resemble real skin. This adhesive would benefit prosthetics and wound care.

Last Week's Goals:

- Finalize PDS report
- Choose design alternative
- Work on mid-semester presentation and mid-semester report

Summary of Accomplishments:

- Met with client to choose a design alternative
- Completed mid-semester presentation powerpoint
- Assigned portions of the mid-semester report

This Week's Goals:

- Researching and ordering necessary materials for final design
- Complete mid-semester report
- Finalize PDS report

Project Difficulties:

Our client did not express more interest for one of our designs over the other, so we had difficulty choosing a design alternative.

Activities:

None to report so far

Expenses:

None to report so far

Tasks	September			October			November			Decemb				
	1 4	2 1	2 8	5	1 2	1 9	2 6	2	9	1 6	2 3	3 0	7	1 4
Project Development														
Background Research	Activity	Activity	Activity											
Develop Design Alternatives			Activity	Activity										
Select Final Design				Activity	Activity	Activity								
Order Necessary Materials							Activity							
Develop Final Design								Activity	Activity	Activity	Activity	Activity		
Test Design											Activity	Activity		
Presentations														
Mid-Semester Presentation				Preparation	Preparation	Project Deadlines								
Final Presentation										Preparation	Preparation	Preparation	Project Deadlines	
Deliverables														
Progress Reports	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity
Mid-Semester Report					Preparation	Preparation	Project Deadlines							
Final Report											Preparation	Preparation	Preparation	Project Deadlines
Meetings														
Advisor	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity
Client			Activity											
Website	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity	Activity

Activity	Activity
Preparation	Preparation
Project Deadlines	Project Deadlines