

## Progress Report

**Title:** Active Ankle/Foot Orthotic (AFO) to Enhance Walking and Balance

**Names:** Jessica Hause: Co-leader  
Erin Main: Co-leader  
Emily Andrews: Communicator  
Josh White: BSAC  
Tony Schuler: BWIG

**Date:** January 26, 2007 – February 2, 2007

### Problem Statement:

Create a device that actively enhances forefoot step-off and increases proprioception to improve balance for people experiencing ankle weakness, foot-drop and the inability to walk and balance safely as a result of various neurological diseases such as Charcot-Marie-Tooth disease, multiple sclerosis and stroke. The device should be non-obtrusive, fit in a shoe, comfortably attach to the leg, and be economical.

### Restatement of Team Goals:

- Establish a team for the semester
- Establish team member's roles
- E-mail client to establish a meeting time
- E-mail advisor about the project chosen and the various team member's roles
- Begin researching our client's problem, products already available, and new project ideas.

### Individual Goals:

Erin Main: research existing AFOs, progress report  
Jessica Hause: research, come up with questions for our client, progress report  
Josh White: research ankle weakness and foot drop off  
Tony Schuler: begin working on the team website  
Emily Andrews: get in contact with client and set up a meeting time

### Summary of Accomplishments:

- Established a team for the semester
- Established team member's roles
- E-mailed and phoned client to set up a meeting time
- E-mailed advisor about the project chosen and various team member's roles
- Began researching our client's problem and products available
- Spoke with various people who currently use AFOs
- Brainstormed questions for our client

**Statement of Team Goals:**

- Continue brainstorming questions for our client
- Meet with client
- Continue researching our client’s problem and products available
- Begin brainstorming product ideas
- Establish thoughts based on ideas from current AFO users

**Project Schedule:**

TASK	Ja	February				March					April				
	26	2	9	16	23	2	9	16	23	30	6	13	23	27	4
<b>Project Research and Development</b>															
-Contact Client	Blue														
-Research	Pink	Pink	Pink	Pink	Pink	Pink		Pink	Pink	Pink	Pink	Pink			
-Brainstorming			Green	Green	Green										
-Design				Yellow	Yellow	Yellow		Yellow	Yellow	Yellow	Yellow	Yellow			
<b>Website</b>	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan	Cyan
<b>Deliverables</b>															
-Mid Semester Presentation							Pink								
-Mid Semester Report								Purple							
-Final Presentation														Light Green	
-Final Report															Dark Red
-Progress Reports	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green
<b>Meetings</b>															
-Semester Wrap Up															Orange

**Difficulties:**

Our team had some difficulty establishing time to meet outside of class that fit with everyone’s schedule as well as finding a BSAC that was available during the time meetings are to be held. In addition, due to our client’s busy schedule, we are having trouble getting in touch with him to set up a meeting time.

**Activities:**

Our team met for 2 hours during class and each worked for one hour individually. We discussed team roles, meeting our client, and beginning research on our project. We established team roles, contacted our client and researched the problem and existing products and began brainstorming ideas.

Jessica Hause: 3 hours, talked with current AFO users, research  
Emily Andrews: 3 hours, attempted to contact client, research  
Erin Main: 3 hours, researched existing products  
Josh White: 3 hours, researched foot drop off and ankle weakness  
Tony Schuler: 3 hours, began work on team website, research