

Title: Device for acute rehabilitation of the paretic hand after stroke (Project #20)

Team: Medical College of Wisconsin: Dr. Michelle Johnson (client)
Sasha Cai Leshner-Pérez (Leader)
Mike Socie (Leader)
Carly Brown (Communicator)
Karissa Thoma (BSAC)
Justin Lundell (BWIG)

Date: September 15 – September 21 2006

Project Design Statement:

We will design a portable device that will facilitate hand rehabilitation in the acute phase (first three months) after stroke; the device will consist of a simple attachment to the impaired arm, comfort for the user and accommodations for almost complete universal use.

Restatement of Team Goals:

- Gather Background Information
- Familiarize Selves with Strokes
- Begin In-Depth Individual Research
- Initial Brainstorming
- Meet with Advisor
- Familiarize Selves with Solidworks

Individual Goals:

- **Sasha Cai:** Individual Research, Brainstorming
- **Mike:** Individual Research, Brainstorming, Familiarize Self with Solidworks
- **Carly:** Individual Research, Brainstorming, Contact Client,
- **Karissa:** Individual Research, Brainstorming, Familiarize Self with Solidworks
- **Justin:** Individual Research, Brainstorming, Familiarize Self with Solidworks

Summary of Accomplishments:

- 1) Meet with Advisor
- 2) Gather Background Information
- 3) Begin In-Depth Individual Research
- 4) Initial Brainstorming
- 5) PDS Rough Draft
- 6) Met With Client
- 7) Met With Advisor
- 8) Summarized Client/Team Meeting
- 9) Gathering Information on Muscles for Design Specs

Team Goals:

- Gather Background Information
- Familiarize Selves with Strokes
- Begin In-Depth Individual Research
- Initial Brainstorming
- Contact Dominique Nathan
- Update PDS
- Begin Initial Design Options
- Familiarize Selves with Solidworks

Difficulties:

None

Activities:

09/15/2006 Team Meeting: With Client	4 hour
09/16/2006 Team Work: Summarization of Team Meeting With Client	1 hour
09/17/2006 Team Work: Individual Research	1 hour
09/20/2006 Team Work: Begin Development of PDS	1 hour