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

Team: Medical College of Wisconsin: Dr. Michelle Johnson (client)
Sasha Cai Lesher-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