Patient Transfer Device
Client: *Ashish Mahajan, MD*
Team Members:
Justin Gearing (Leader)
Jamon Opgenorth (Communications)
Daniel Miller (BSAC)
Alex Bloomquist (BWIG)

4/3/09 – 4/10/09

Problem Statement:

Currently, patients are transferred by 5-6 workers using an articulating roller, which is designed for a flat bed to flat bed patient transfer. The client would like a jointed roller system that will allow for efficient transfer of patients who are to remain in a sitting up or "crunched" position through the transfer. Design needs to be reliable, lightweight, and compact to fit behind the door of the recovery room.

Last Week's Goals

- Complete installation of ball bearings
- Work with the mill, begin and hopefully complete milling of the end plates
- Begin to look at how the screws will fit into the end plate (counter-sink?)

Summary of Accomplishments

- Finished lathing all rods.
- Fit all ball bearings into pipes
- Tapped rods and end plates

This Week's Goals

- Measure for vinyl (thanks Mrs. Miller)
- Finish plate fabrication
- Build and attach hinge

Project Difficulties

- A lot of manufacturing has yet to be completed.
- The rods did not fit correctly as planned in our end plates.
- Must keep attention to detail nearing the end of fabrication

Name	This Week
Jamon Opgenorth	Fabrication, 5 hr
Justin Gearing	Fabrication, 5 hr
Dan Miller	Fabrication, 7 hr
Alex Bloomquist	Hardware store, Fabrication, 5 hr
Team	

	Cumulative (Hr)
Jamon Opgenorth	21.5 hr
Justin Gearing	24.5 hr
Dan Miller	25.5 hr
Alex Bloomquist	23.5 hr
Team (Week)	-
Team (Total)	**18 hr**

Month	January	February				March				April				May
Date	30	6	13	20	27	6	13	20	27	3	10	17	24	1
Product Development														
Background research														
Develop design alternatives														
Select final designs														
Order parts														
Construction														
Testing														
Presentations														
Midsemester						3-6								
Final													5-1	
Deliverables														
Progress Reports														
Midsemester Report														
Final Report														5-8
Meetings														
Advisor														
Client														
Website														