

Patient Transfer Device

Client: *Ashish Mahajan, Ph. D*

Team Members:

Justin Gearing (Leader)

Jamon Opgenorth (Communications)

Daniel Miller (BSAC)

Alex Bloomquist (BWIG)

1/30/09 – 2/6/09

Problem Statement:

Currently, patients are transferred by 5-6 workers using a 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

- Set up meeting with client
- Begin preliminary brainstorming

Summary of Accomplishments

- Met with Dr. Mahajan on Tues, Jan 27th.
- Brainstorming session held on Friday, Jan 30th. Many fresh ideas that will help with the final design.

This Week’s Goals

- More decision making.
- Make a final decision on the major components of this project, namely roller style and joint type to ease fabrication schedule.
- Possible meeting with Dr. Mahajan at the Hospital to see the current device in use.

Project Difficulties

- Tough to model the costs and benefits of roller vs. ball bearing design.
- Many design alternatives, not easy to choose the best one.

Name	This Week
Jamon Opgenorth	Research, Communication, 2hr
Justin Gearing	Shop permit, 2 hr Progress Report, 1.5 hr
Dan Miller	Research, 2hr
Alex Bloomquist	Shop permit, 5 hr
Team	Team meetings, 4 hr (two meetings)
	Cumulative (Hr)
Jamon Opgenorth	2 hr
Justin Gearing	3.5 hr
Dan Miller	2hr
Alex Bloomquist	5hr

