

Patient Transfer Device

Client: *Ashish Mahajan, Ph. D*

Team Members:

Justin Gearing (Leader)

Jamon Opgenorth (Communications)

Daniel Miller (BSAC)

Alex Bloomquist (BWIG)

1/6/09 – 2/13/09

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

- 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.

Summary of Accomplishments

- Met with our client, Dr. Mahajan, and ran through patient transfer device scenarios.
- Took pictures for use in our presentations and reports.

This Week’s Goals

- Make a final decision on the major components of this project, namely roller style and joint type to ease fabrication schedule.
- More decision making.
- Meet to go over all of the rough aspects of the project so far, and how we intend to get them fixed.

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.
- Hard to predict a more feasible design option until we get a chance to run into the troubles involved in each one.

Name	This Week
Jamon Opgenorth	Patent Research, 1hr
Justin Gearing	General Research, Progress Report 1.5 hr
Dan Miller	General Research, 1.5 hr
Alex Bloomquist	General Research, 1hr
Team	Team meeting, UW Hospital, Finish PDS, 3 hr.

