

Patient Transfer Device

Client: *Ashish Mahajan, MD*

Team Members:

Justin Gearing (Leader)

Jamon Opgenorth (Communications)

Daniel Miller (BSAC)

Alex Bloomquist (BWIG)

4/24/09 – 5/1/09

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 fabrication of hinges
- Meet with client
- Completely finish ALL fabrication
- Begin testing
- Prepare final presentation

Summary of Accomplishments

- Received vinyl and tested to ensure proper fit
- Completed all fabrication of hinges
- Completed all modifications of hinges
- Tested with 300 + lbs
- Completed poster
- Met with client at UW-Hospital for quality assurance purposes

This Week’s Goals

- Get ready for poster presentation
- Write our final paper

Project Difficulties

- Hinges actually tore sheets with initial testing. They were completely re-fabricated with a reduced profile. Testing at UW Hospital with client confirmed that changes solved problem beautifully.

