

Patient Transfer Device

Client: *Ashish Mahajan, MD*

Team Members:

Justin Gearing (Leader)

Jamon Opgenorth (Communications)

Daniel Miller (BSAC)

Alex Bloomquist (BWIG)

4/17/09 – 4/23/09

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
- Trip to hardware store for bolts
- Completely finish ALL fabrication
- Begin testing

Summary of Accomplishments

- Sent vinyl out for fabrication
- Purchased all bolts for remainder of production
- Finished all drilling for entire project
- Crude testing, mainly to make sure everything fits together.

This Week’s Goals

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

Project Difficulties

- Vinyl cover did not work exactly as planned, so it was sent back to Mrs. Miller for some modification.

