

Endotracheal Tube Securing Device

Client: Dr. Lester Proctor

Team

Val Maharaj (leader)

Deborah Yagow (BSAC)

Andrew Bremer (BWIG)

Colleen Farrell (Communicator)

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Problem Statement

This will be the first stage of development of a disposable device to secure endotracheal tubes after insertion in patients in ORs and ERs and for ambulance workers. Although devices such as this have been marketed, none has been found to be superior to tape alone.

Last Week's Goals

- Brainstorm different design components
- Come up with our 3 main design alternatives
- Do the design matrix

Summary of Accomplishments

- Decided on design alternatives
- Made a preliminary Design Matrix
- Contacted client on how to order parts and materials

This Week's Goals

- Pick Final Design
- Start on mid-semester presentation and report
- If we get a lot of work done on presentation and report, we can start researching what parts to order

Difficulties

Not too many difficulties this week either. We wish Doctor Proctor would be a bit more verbose in his emails. A lot of his responses are one liners when our emails are full paragraphs. We should probably let him know that we would appreciate it if he gave us a bit more information for our questions. It would make some tasks easier to do instead of just trying to figure out what he means.

We were able to contact the previous design team, but they do not seem to check their email that often. We were wondering if they still had their prototype (which they might have lost), as well as where they got some of their parts (such as the T-valve). If they responded in a much more timely manner, that would also make our job easier. However, with that said, we cannot rely on other people too much for our project, mainly because it's *our* project.

