

Last Report for the semester: Good Job Guys!!

Title: Presurgical Maxillary Orthopedic

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Date: 12/05/01-12/12/01

Problem Statement:

A cleft palate is a deformity in which the palate is not completely formed and the nasal cavity opens into the mouth. This deformity occurs in approximately one out of every 800 infants. Often times there is a need for pre-surgical manipulation of the palate; this is currently done through the use of an orthopedic. The current devices being used all have limitations, including: restricted movement, non-universal applications, and inefficiency. Our goal is to design an orthopedic device with a universal mechanism which encompasses the benefits of current devices, allows movement in three dimensions, and is easily adjustable.

Restatement of Team Goals:

- Write paper
- Prepare presentation
- Do FBDs

Summary of Accomplishments:

- Finished paper
- made model of palate and finished device
- Finished presentation
- Made Free Body Diagrams

Statement of Team Goals:

- give presentation

Project Schedule:

09/03/01-09/05/01: Choose Project

09/06/01-09/12/01: Meet with Client

09/13/01-09/19/01: Prepare Problem Statement, Timeline, PDS, and Background Research, and conduct Patent Search

09/20/01-09/26/01: Brainstorm

09/27/01-10/03/01: Continue to Brainstorm, Research and Develop Ideas

10/04/01-10/10/01: Work on Midsemester Report

10/11/01-10/17/01: Finish and Give Midsemester Report

10/18/01-10/24/01: Continue working on possible solutions

10/25/01-10/31/01: Select Final Design. Determine Specifications for Final Design

11/01/01-11/07/01: Order Parts. Start Building
11/08/01-11/14/01: Build
11/15/01-11/21/01: Test
11/22/01-11/28/01: Test and start Final Report
11/29/01-12/05/01 Finish Final Report
12/06/01-12/12/01: Give Final Presentation

Difficulties:

-Force Diagrams surprise surprise. We met with Prof. Lakes again, but he wasn't very helpful.

Activities:

*hours will be in man hours (if all five of us meet together for 1 hour it will be recorded as 5 man hours)

Group:

-I don't have everyone's hours for this week (Lots of work was done in smaller groups).
If anyone wants to know, I can email hours out after Thursday.