

Device for Maxillomandibular Fixation Following Facial Fractures

Week – December 2 – December 8

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Team Members: Ashley Phillips – Co Team Leader
Nina Lewis – Co Team Leader
Joe Ferris – Communications
Sara Karle – BWIG
Emily Maslonkowski – BSAC

Problem Statement

Currently, the most common technique of fixating the jaw after a facial fracture is called maxillomandibular fixation (MMF), which requires wiring the mouth shut with the use of arch bars and wires. It has been proposed to us to design a device which will mimic the function of MMF, but be easier and faster to apply while maintaining an adequate cost of application. Our design needs to securely hold the lower jaw tight to the upper jaw, but also needs to have an emergency quick release system. The device should also be safe for the patient during application and for the 4-6 weeks of healing.

Last Week's Goals

- Revise the final report
- Finish the final report
- Finish notebooks and peer reviews
- Practice our final presentation

Accomplishments

- All group members met Monday, Dec. 5 to work on the final paper & fix up the power point to put it on the website
- Each group member individually edited the final paper separately
- All group members met to practice the poster presentation (the night of Thurs, Dec. 8)
- Each group member completed the peer assessment forms and their notebooks

This Week's Goals

- Finish the final report and all deliverables
- Practice the presentation
- Present our final product at the poster session

Difficulties

- Obtaining sample of wet adhesive
- Getting a hold of a representative at GC America
- Obtaining smaller elastics

Activities/Accomplishments

Group Member	Weekly Accomplishments	Time (hrs)	Running Total (hrs)
Ashley Phillips	final paper revisions; progress report; group meetings; individual work on report; presentation practice	5.0	63.5
Nina Lewis	progress report; final paper revisions; group meetings, individual work on report; presentation practice	5.0	64.0
Sara Karle	final report revisions; group meetings; individual work on report; presentation practice; formatted final report	5.5	59.5

Emily Maslonkowski	final report revisions; individual work on report; presentation practice; group meetings; formatted final report	5.5	60.5
Joe Ferris	final report revisions; group meetings; individual work on report; presentation practice	5.0	59.0