

**Project Title:** Redesigning intramedullary rod surgical instruments used for canine long bone fracture repair

**Team Members:**

Erik Yusko – Leader  
Danielle Ebben – Communications  
Tony Wampole – BSAC  
Anna Moeller – BSAC  
Jon Sass – BWIG

**Client:**

Tass Dueland, DVM  
UW Veterinary School  
email: [duelandt@svm.vetmed.wisc.edu](mailto:duelandt@svm.vetmed.wisc.edu)

Professor Ray Vanderby, Jr.  
UW Biomedical Engineering and others  
email: [vanderby@orthorehab.wisc.edu](mailto:vanderby@orthorehab.wisc.edu)

**Date:** 9/21/05 – 9/28/05

**Problem Statement:** Improve the design of an intramedullary rod to fix canine long bone fractures. Specifically a device enabling surgeons to consistently drill to the screw holes in the nails without missing.

**Individual Goals:**

Erik –brainstorming, keep notebook up to date, power point format, paper roles  
Danielle – brainstorming, organizing team events, notebook  
Tony – brainstorming, notebook, BSAC  
Anna – brainstorming, notebook, BSAC  
Jon – brainstorming, notebook, BWIG.

**Summary of Accomplishments:** The team met with our clients today, 9/28, to receive further explanation of the surgical procedure involved with installing an intramedullary nail. Part of the meeting allowed us to hands on time with the units and allowed us to determine two areas of interest we would like to address. The primary area is the attachment of the extension piece to the nail. The second area is the junction of the extension to the jig itself.

**Statement of Team Goals:** The team would like to have revised ideas available for discussion during Friday’s class time. Depending on the progress we may meet again early next week to finalize ideas. We will also begin working on the mid-semester report/presentations.

**Rough Project Schedule:**

9/9/05: Met with Client  
9/16/05: Developed a fluid PDS document and began brainstorming  
9/16/05-9/30/05: Evaluate brainstormed ideas. Begin mid-semester presentation and report.  
10/14/05: Present Midsemester presentations

10/14/05-11/18/05: Build and finalize a prototype or design plans.  
11/18/05-12/2/05: Test prototype, produce final poster presentation & report.  
12/2/05: Final Poster Presentations  
12/7/05: Final report due.

**Difficulties:** None at the moment.

**Activities week to date:**

Erik – progress report, notebook, brainstorming:	4 hours
Danielle –reading, notebook, organizing:	4 hours
Tony – Research and brainstorming	7 hours
Anna – evaluated ideas, further brainstorming, BSAC	4.5 hours
Jon – BWIG meetings, brainstorming	5 hours

**Running Total:**

<b>Name:</b>	<b>Hours:</b>
Erik	16
Danielle	15
Tony	19
Anna	16
Jon	13