Project Title: Redesigning intramedullary rods 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
Prof Emeritus
UW Veterinary School
email: duelandt@svm.vetmed.wisc.edu

Date: 9/8/05 – 9/15/05

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 – Research intramedullary rods, begin brainstorming, keep notebook up to date
Danielle – Start a research/reference binder for the group, brainstorming, research
Tony – research intramedullary rods, brainstorming, notebook, BSAC
Anna – research intramedullary rods, brainstorming, notebook, BSAC
Jon – research intramedullary rods, current aiming devices used in humans, research, BWIG.

Summary of Accomplishments: We’ve meet with the client twice in the past week. Our team now has a clear understanding of the problem. We have begun to read up on intramedullary rods, repairing fracture techniques, and the associated instruments. We have also started the PDS report (product design specifications).

Statement of Team Goals: In the upcoming week we will have completed the PDS report. We will have some team brainstorming sessions and fairly good understanding of where we want to go with this project and exactly what we want to address.

Rough Project Schedule:
9/9/05: Met with Client
9/16/05: Develop fluid PDS document and begin 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 if possible, 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:**
We held two client meetings this week; the hours are included into individual hours below:

- **Erik** – progress report, research, notebook: 5 hours
- **Danielle** – contacting client, arranging meeting working on notebook: 4 hours
- **Tony** – Research and brainstorming: 4 hours
- **Anna** – Researching nails & current aiming devices used in humans: 5.5 hours
- **Jon** – BWIG meetings, working on notebook, research: 4 hours

**Running Total:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Erik</td>
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<tr>
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