Auto-Suture Nasal Device

Week –November 3rd 2006 – November 10th 2006

Team Members: Tim Pearce – Team Leader
               Kuya Takami – Communications
               Mollie Lange – BSAC
               Peter Ma – BWIG

Client:
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Problem Statement
Our goal is to develop a device which will automatically deploy a
suture to a specific region of the nose which is commonly detached in two
common nasal surgeries, rhinoplasty and septoplasty. The current procedure
is tedious and time consuming for the performing surgeon, often taking 15
minutes or more. Our client would like to develop a device which will
automatically suture the desired location with minimal surgeon involvement.
This will cut down on surgeon error, and make a more effective suture.

Last Week’s Goals
• Proceed with new design ideas by making a quick decision as to the
  best alternative and figuring out what we need to get.

Accomplishments
• Fired the stapler we got from US Surgical
• Took the stapler apart to see how it worked
• Found a new stapler which has smaller absorbable staples
• Began brainstorming new/modifications for device
• Scheduled a meeting with the client for Sunday at 5pm in Ebling

This Week’s Goals
• Proceed with new design ideas by making a quick decision as to the best alternative and figuring out what we need to get.

Difficulties
• Our project is changing gears, away from a stapler.
• Complex, small parts may be hard to machine or modify

Activities/Accomplishments

<table>
<thead>
<tr>
<th>Group Member</th>
<th>Weekly Accomplishments</th>
<th>Time (hrs)</th>
<th>Running Total (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tim Pearce</td>
<td>Class Time, Research, Group meeting, alternative design brainstorming</td>
<td>4</td>
<td>29</td>
</tr>
<tr>
<td>Peter Ma</td>
<td>Class Time, Research, Group meeting</td>
<td>4</td>
<td>34</td>
</tr>
<tr>
<td>Mollie Lange</td>
<td>Class Time, Research, Group meeting</td>
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<td>34</td>
</tr>
<tr>
<td>Kuya Takami</td>
<td>Class Time, Research, Group meeting</td>
<td>4</td>
<td>32</td>
</tr>
</tbody>
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To Do:

  Past:
  Deadlines: Agree on new design (this week)
  Future: Order specific parts