Auto-Suture Nasal Device

**Week** – December 1st 2006 – December 8th 2006

**Team Members:** Tim Pearce – Team Leader  
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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**  
- Make bottom layer of the device  
- Further modification of the hemostats  
- Make final poster  
- Work on final paper

**Accomplishments**  
- Finished making the prototype
• Finished poster
• Tested prototype

This Week’s Goals
• Work on final paper

Difficulties
• Small parts, big tool
• The shop doesn’t have one of the bits we maybe could use for the bottom layer

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, Construction, Trip to store</td>
<td>7</td>
<td>55</td>
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<tr>
<td>Peter Ma</td>
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<tr>
<td>Kuya Takami</td>
<td>Class Time, Research, Construction, Trip to store</td>
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<td>58</td>
</tr>
</tbody>
</table>

To Do:

Past:

Deadlines: Poster session and prototype by Friday. final paper by Wednesday.

Future: