Auto-Suture Nasal Device

Week – November 24th 2006 – December 1st 2006

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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
• Start making prototype

Accomplishments
• Finished making the top and middle layer of our device
• Modified hemostats
This Week’s Goals
- Make bottom layer of the device
- Further modification of the hemostats
- Make final poster
- 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>15</td>
<td>48</td>
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<tr>
<td>Peter Ma</td>
<td>Class Time, Research, Construction, Trip to store</td>
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<td>53</td>
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<td>Mollie Lange</td>
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<td>53</td>
</tr>
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<td>Kuya Takami</td>
<td>Class Time, Research, Construction, Trip to store</td>
<td>15</td>
<td>51</td>
</tr>
</tbody>
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To Do:
Past: Need to get materials soon (ready for work after break)
Deadlines: Poster session and prototype by friday
Future: final paper