Auto-Suture Nasal Device

Week – October 6\textsuperscript{th} 2006 – October 13\textsuperscript{th} 2006

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Mollie Lange– BSAC
Peter Ma – BWIG

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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
• Meet with client to discuss dimensions and suture technique.
• Brainstorm possible devices.

Accomplishments
• Researched medical glue applications
• Researched methods of nasal surgery
• Called medical supply companies trying to secure auto suture device
samples.
- Device was secured and in the mail coming to Madison.
- Client cleared up confusion about specifications of device

This Week’s Goals
- Get an understanding of how the device we have works
- Brainstorm possible device ideas for staple deployment
- Work on PDS, Mid-semester reports, and PowerPoint presentation

Difficulties
- Understanding requirements of the project
- Getting an auto suture device to play with

Activities/Accomplishments

<table>
<thead>
<tr>
<th>Group Member</th>
<th>Weekly Accomplishments</th>
<th>Time (hrs)</th>
<th>Running Total (hrs)</th>
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<tr>
<td>Tim Pearce</td>
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<td>Peter Ma</td>
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<td>Kuya Takami</td>
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