Neck Positioner for Fluoroscopy Examination

Client:
Dr. Victor Haughton

Team Members:
Peter Strohm (Team Leader)
Alison Boumeester (BSAC)
Susie Samreth (BWIG)
Vidhya Raju (Communicator)

February 2 to February 8, 2007

Problem Statement:
Our project involves creating a neck positioner for a patient during fluoroscopy examination. The device must allow for extension and flexion of the head and cannot interfere with radiographic imaging.

Last Week’s Goals:
• Agree on a weekly meeting time
• Research topics such as fluoroscopy, worm gears, medical imaging, and neck positioners
• Brainstorm possible ideas for designs
• Begin writing PDS

Summary of Accomplishments:
• Agreed on a weekly meeting time
• Met with Prof. Wally Block and Dr. Frank Ranallo at the UW Hospital
  ▪ Learned much more about fluoroscopy machines and possible constraints for our device
• Began writing PDS

This Week’s Goals:
• Continue writing PDS
• Meet with client
  ▪ Obtain specific device constraints and expectations
• Brainstorm possible ideas for designs

Project Difficulties:
• No difficulties to date

Activities:

<table>
<thead>
<tr>
<th>Date</th>
<th>Person/Group</th>
<th>Activity</th>
<th>Time Spent</th>
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</thead>
<tbody>
<tr>
<td>02.02.2007</td>
<td>Team</td>
<td>Class time, arranged meeting with Prof. Block, met with Prof. Chesler to discuss project</td>
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<tr>
<td>02.02.2007</td>
<td>Alison</td>
<td>BSAC meeting</td>
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<td>02.06.2007</td>
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<td>Met with Prof. Block and Dr. Ranallo at UW Hospital</td>
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<td>02.08.2007</td>
<td>Peter</td>
<td>Progress report</td>
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