Blood Flow

Week – November 9, 2006 to November 16, 2006

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Karen Chen – BSAC
William Stanford – BWIG

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Problem Statement
Current instruments used in the measurement of pulse transit time are inefficient for home use. An existing product with working ECG and pulse wave circuits along with software to analyze the data has been provided. The primary goal will be to optimize the existing setup for use at home. This will be performed by miniaturizing the circuit, reducing the signal to noise ratio, and improving of the already existing software. These tasks will attempt to be rectified by numerous design additions.

Last Week’s Goals
- Order Data Logger
- Continue to work on programming

Accomplishments
- Ordered Dataq DI-710 Data Logger
- Received parts to being working on EKG circuit
- Continued to program
This Week’s Goals
- Work on circuit building
- Continue to program for skipped beat

Difficulties
- Understanding everything which has previously been done

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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<tbody>
<tr>
<td>Jonathan Baran</td>
<td>Class Time, Client Meeting, Research</td>
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<td>Mark Yarmarkovich</td>
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<td>Karen Chen</td>
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<tr>
<td>William Stanford</td>
<td>Class Time, Client Meeting</td>
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