

Weekly Report

Date: 10/22/2012

Project Name: Infant Respiratory Monitor

Group Number: 11

Group Members: Sean Ermer, Tim Lau, Leo Li

Current status of project:

We have several initial designs for our respiratory monitor, each utilizing a different method to measure respiratory rate. We have done most of the calculations for our designs.

Work completed in the last week:

Last week, we met to share some ideas that we all came up with or researched in our own individual time, relating to both new designs as well as the ones we already researched (for instance, the finer details of how we would implement our moving magnetic field on the infant's chest). One promising new design that we thought up of involves accelerometers, as we discovered that capacitive/semiconductor accelerometers are actually very cheap to make and buy. Accelerometer readings of the infant's chest would be an obvious indicator of breathing cessation.

Work planned for next week:

This upcoming week we plan on meeting to explore methods of implementing our design that involves accelerometers. We also plan to start writing our progress report as well as help Leo prepare for the oral portion.

Anything needed from client or TA or instructor to continue work:

None.