

Weekly Report

Date: 9/23/2012

Project Name: Infant Respiratory Monitor

Group Number: 11

Group Members: Sean Ermer, Tim Lau, Leo Li

Current status of project:

We have looked into patents and current commercially available methods for monitoring infant respiration. From an analysis of the information that we have found, we believe that using an infrared camera monitoring system would be the most ideal for our design scope. Not only is the camera relatively cheap, the potential use of infrared LEDs would be non-invasive as well as non-obstructive for the infant's breathing.

Work completed in the last week:

We have met a couple of times to discuss what we would like to place in our presentation that Sean will be giving on Monday, September 24. We have also done extensive patent and publication searches to help us determine what our best and most effective course of action should be.

Work planned for next week:

We would like to continue working on developing our design. Although we drew our inspiration from the potential use of the infrared camera inside a Wii remote, we do not know if this would be feasible with the low cost cameras that we have found online. Furthermore, we would like to look into other methods as well just in case the current infrared camera system does not meet our specifications down the line.

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

None.