

ECG-Training Device

Progress Report 9

April 15, 2009 – April 21, 2009

Team Members:

Laura Bagley (Team Leader) bagley@wisc.edu
Cali Roen (BWIG) roen@wisc.edu
Amy Weaver (Communicator) aweaver@wisc.edu
Anthony Schuler (BSAC) aschuler@wisc.edu

Client:

Dr. Patricia Padjen
Department of Emergency Medical Services
UW Hospital and Clinics
(608) 263 7096
pdp@medicine.wisc.edu

Advisor

Tom Yen
Dept. of Biomedical Engineering
yen@enr.wisc.edu

Problem Statement:

Develop a mannequin to train EMT students to correctly place electrodes needed to perform an electrocardiogram (ECG). Electrode sites should not be visible; the student should determine the correct placement based on anatomical landmarks (intercostals spaces and ribs). The mannequin should be able to train both 12-lead and 15-lead ECG electrode placement.

Summary of Team Accomplishments:

- Fit circuit into mannequin
- Started testing effectiveness of prototype

Summary of Individual Accomplishments:

- Amy is soldering the circuit to a smaller bread board
- Cali cleaned off the mannequin chest
- Laura wrote the progress report

Upcoming Week's Goals:

- Finish testing
- Start poster for final presentation

Difficulties:

No major difficulties this week.

Activities:

Team Member	This Week's Activities	Weekly (hrs)	Cumulative (hrs)
Laura Bagley	Progress report (0.5 hr) Testing (2 hr)	2.5 hrs	30.5 hrs
Cali Roen	Testing (2 hr) Other prototype work (5.5 hr)	7.5 hrs	43.0 hrs
Tony Schuler		0.0 hrs	24.0 hrs
Amy Weaver	Testing (2 hr) Prototype work (7 hr)	9.0 hrs	44.0 hrs
Total:		19.0 hrs	142.5 hrs