

Intracoronary Wire

Weeks 8&9 –March 14– March 26 (Note: Week 8 is Spring Break)

Team Members: Allison McArton – Team leader

Angwei Law – Communications

Padraic Casserly – BSAC

Grant Smith – BWIG

Client: Prof. Vik Chhokar

Phone: 608/516-3712, Email: vchhokar@medicine.wisc.edu

Advisor: John Webster

Professor/ Dept. of Biomedical Engineering

Phone: 608/263-1574, Email: Webster@engr.wisc.edu

Problem Statement

A novel coronary guide wire is to be developed such that torquability along the wire's entire length is maintained and the wire's tip conformation can be changed in vivo via external operation.

Restatement of Team Goals

Start obtaining materials and work on constructing prototype.

Individual Goals

| | |
|---------|---|
| Allison | Create next week's progress report, focus research on obtaining Nitinol parts. |
| Angwei | Continue communications, look for materials. |
| Grant | Update website. Also continue researching Nitinol and materials for construction. |
| Padriac | Attend BSAC meeting, research supplies for prototype |

Summary of Accomplishment

- Researched possible materials for prototype.
- Came up with several possible ways for testing our ideas.

Activities

| | | | | |
|---------|---------------|---|------|------|
| Allison | 3.26.09 | Researching materials and planning prototype construction | 1.5h | 2.0h |
| | 3.26.09 | Created progress report/ Updated PDS | .5h | |
| Angwei | multiple days | Communications | .5h | 1.5h |
| | 3.25.09 | Materials Research | 1.0h | |
| Grant | 3.25.09 | Planning upcoming testing and design steps | 1.0h | 1.0h |
| Padriac | 3.24.09 | Materials Research | 1.0h | 1.0h |

Project Timeline

Table 1

| Tasks | January | | Feb | | | | March | | | April | | | May |
|---------------------|---------|----|-----|----|----|----|-------|-------|--|-------|--|--|-----|
| | 23 | 29 | 7 | 14 | 21 | 28 | 6 | 13&20 | | | | | |
| Project Research | | | | | | | | | | | | | |
| Brainstorming | | | | | | | | | | | | | |
| Prototype Design | | | | | | | | | | | | | |
| Prototype Building | | | | | | | | | | | | | |
| Testing | | | | | | | | | | | | | |
| Re-designing | | | | | | | | | | | | | |
| Re-testing | | | | | | | | | | | | | |
| Meeting with Client | | | | | | | | | | | | | |
| Group Meeting | | | | | | | | | | | | | |
| Presentation | | | | | | | | | | | | | |

Expenses

Currently there is no expense.