

MRI Fat Quantification Phantom

Client:

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Team:

Bogdan Dzyubak – Team Leader
Joe Helfenberger – BSAC
Nick Balge -- BWIG
Matt Parlato -- Communicator

Progress Report for September 2 – September 10

Problem Statement:

The goal of this project is to develop an MRI phantom for the quantification of fat. This phantom will be used to test MRI techniques developed by the client for the imaging of fat *in vivo*. The phantom must contain samples of known physiologically relevant quantities of fat. The eventual purpose is quality control of MRI scanners that use fat-water contrast imaging.

This week's goals:

- Assign team roles
- Gain an understanding of the project and its goals
- Schedule a meeting with the client

Next week's goals:

- Meet with the client
- Determine the aspects of the project that will need to be research and begin the research

This week's accomplishments:

- Assigned team roles
- Received the grant proposal, for which the phantom is necessary, from Dr. Block and began reading through it
- Scheduled a meeting with Dr. Block on the 11th and with both Dr. Block and Dr. Reeder on the 14th

Project Difficulties:

Without having met the client and knowing the exact goals it is difficult to begin research.

Team Activities

Date	Time	Members	Activity
09/09/09	NA	Matt	Scheduled a meeting with Dr. Block
09/09/09	NA	Matt	Scheduled a meeting with Dr. Block and Dr. Reeder
09/12/09	NA	Team	Received and began going over the grant and reference papers for the project

Project Schedule

Task	September				October					November				December		
	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	11
Project Development																
Research																
Brainstorm/Design Development																
Finalize Design																
Prototyping																
Deliverables																
Progress Reports																
Mid-semester Presentation (10/16)							*									
Final Paper (12/11)																*
Final Poster (12/4)														*		
Meetings																
Client																
Advisor																
Website																
Online																

* = deliverable due

Expenses

None, as yet.