

Senior Design 491 - May1629 - Weekly Report 4

Advisor: Dr. Ravi Hadimani

Project: Development of "Triple Halo Coil" for Deep Transcranial Magnetic Stimulation

Client: Dr. Ravi Hadimani / Dr. David Jiles

Members: Wentai Wang

Aashwatth Agarwal

Dylan Jagger Rasmusson

Date: 9/29/2015

Summary

We must start with training in Sim4life and Comsol, the software required for the simulations of the Triple Halo Coil. To do this, we requested Ms. Priyam to provide us with her valuable time. We also discussed our distribution of work towards the project. It was decided that two will work with Sim4life, and one member will work with Comsol simulation. Finally we discussed what we interpreted as important to our role in the development of the Triple Halo Coil.

Group Meeting Notes

- Distribution of individual work
- Next steps towards project accomplishments

Advisor Meeting Notes

- Prepared a rough timeline for our project
- Discussed what was expected in following meetings
- Discussed next project steps

Accomplishments

- solidified understand of our role
- discussed rough timeline for project
- distributed work
 - Dylan Rasmusson - Comsol
 - Wentai Wang, Aashwatth Agarwal - Sim4Life

- requested time for software training

Plans for Next Week

- getting trained on simulation software
- finish first draft of project plan
- Consider initial designs for triple halo coil
- Continue TMS/Halo coil research
- Continue work towards web design page of our project

Pending Issues

- Scheduling for independent use of Sim4Life/Comsol

Individual Hourly Contribution

<u>Name</u>	<u>Hours this week</u>	<u>Work</u>
Wentai Wang	5.5	Researching, Meeting Discussion, Weekly Report, Web design
Aashwath Agarwal	5.5	Researching, Meeting Discussion, Weekly Report, Communicating with advisor/group
Dylan Rasmusson	5.5	Researching, Meeting Discussion, Weekly Report, Collaborating