

PREPARATION TO OBSERVE A PROCEDURE

This past week, I mainly focused on preparing for the meet-up with my mentor, Dr. David Kim, to observe a procedure in the angiography suite to see a real procedure for myself. It will help with designing the mechanism by allowing me to visualize how the mechanism can be helpful in real life and will get me experience in the operating room actually witnessing a procedure. I am really excited to observe and spent this week preparing accordingly. I also worked on the design of the mechanism, keeping up with my set pace.

I was able to spend time researching the procedures that I could end up observing. He did not know for sure which procedure it would be, but I refreshed my memory on the complex vascular procedures that I researched already and researched new ones such as radiofrequency ablation and uterine fibroid embolization. I also set up my observing tools that will help me to maximize the experience. I made a list of things to look for in the procedure, including gaps that are unclear in the design regarding figuring out how certain parts of the mechanism should rotate or move to maximize its effectiveness in a procedure. I also comprised a list of questions to potentially ask Dr. Kim about before he starts on the procedure. I have my schedule for the day planned out as well. I just need to talk to Mr. Speice and my teachers regarding missing class. I am impressed with my ability to plan for this event and I think that it shows my progress in professional skills and discipline that developed throughout this year.

I also continued to keep the pace of my design of the mechanism. I was able to work on the longer parts of the arm now that I am done with the joint. I still need to figure out exactly how the joints should rotate, but going in to watch the procedure in person should take care of that. I am proud of the fact that I am keeping pace and it demonstrates my growing discipline that developed throughout this year. I will definitely be done with the design by the deadline.

The plan for this upcoming week is to continue to prepare and research for the observation and to do the observation and maximize the opportunity.



Weekly Report

4/12/21 - 4/18/21