

Week 3 Report

Group Members:

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Overview:

We have met with our client (Dr. Robert Thompson) two times so far to discuss the scope of the novel surgery retractor project. His request is to make a surgical retractor that is size adjustable with a lighting solution. As a group, we are aiming to make this retractor disposable while eliminating any heating problems.

Currently, the Alexis wound retractor and hook-based prostate surgery retractor are our base designs to improve upon, and we have received one of each from Dr. Thompson to experiment with. Upon having received the samples, we have tested their unique mechanisms of retraction to identify the modifications that will be required to fit the needs of thoracic outlet syndrome surgeons.

In addition to meeting with Dr. Thompson, our group also met with Professor Klaesner to discuss the items due in the project scope assignment due September 16. This mostly consisted of discussion of phrasing for the need statement and the project scope, as well as brainstorming of potential metrics that could be used for design specification. After receiving help from the meeting, we are currently finalizing our initial need statement and product design specs.