

Email Message

Good morning all,

Our group met this week to discuss next steps to begin assembly of our prototype. Kyle was able to obtain an arduino from Professor Widder, we have narrowed down a couple choices for a linear actuator that we will order from amazon, Taylor will obtain a syringe, and we still need to finalize a material to use for the expandable & collapsable toroidal balloon. Kyle has found arduino code for linear actuators online. We will need to scale up our prototype once we begin assembly. Thank you and have a wonderful weekend.

Best,

Brian Dallesasse, Kyle Sachdev, Taylor Hughes

Project created on 06.09.2016 02:03.

Report for project Senior Design

Task created on 02.02.2017 23:52.

Group Meeting 2/2/17

No due date

All members present. Due to a plethora of prior commitments of each team member, this was our first meeting of the semester, so we discussed next steps to begin assembling our prototype.

Task tags: *No tags*

* Meeting Notes Created by Brian on 02.02.2017 23:59.

- Kyle was able to obtain an arduino from Professor Widder, so we no longer need to purchase one
- Given that our device is designed for obstructed tracheas and is thus on a mm scale, we will need to scale it up for the prototype.
- We need to finalize the purchase of a linear actuator. We will mostly likely purchase a Windynation 6" stroke, 12V, 225 lbs max lift from amazon for ~\$50-60.
- Arduino code for linear actuator can be found online
- We still need to finalize the material for the toroidal balloon. We hope to finalize and purchase in the next week or so.
- Balloon dilator from Dr. Paniello (Boston Scientific device) may have some parts we can use for our device: tubing, pressure gauge
- We hope to schedule a meeting with one of the three senior design professors as well as Dr. Paniello soon as a check up point to discuss our project