

## Detailed Design Review Feedback (Week 11)

- Do not use PVC
- Look into Solidworks dynamic modeling
- We should define on our schedule a deadline at which we evaluate the Matlab progress and decide if it is worth counting to pursue or not
- We need a load cell to measure muscle forces
  - (edit: an accelerometer is a better choice to measure force because a load cell requires the muscle to be static which is an unrealistic muscle configuration)
- We need a much more comprehensive and detailed test plan
  
- Test plan steps brainstorm
  1. Order parts over break
  2. Test muscle with different orifice sizes to confirm that the pressure chamber provides a benefit in fill time
    - a. The accelerometer will give fill time as well as force as a function of time
  3. Test wall thickness and make a decision on final air muscle wall thickness
  4. Build a full prototype and test

Simulation work will be done in parallel with the above.