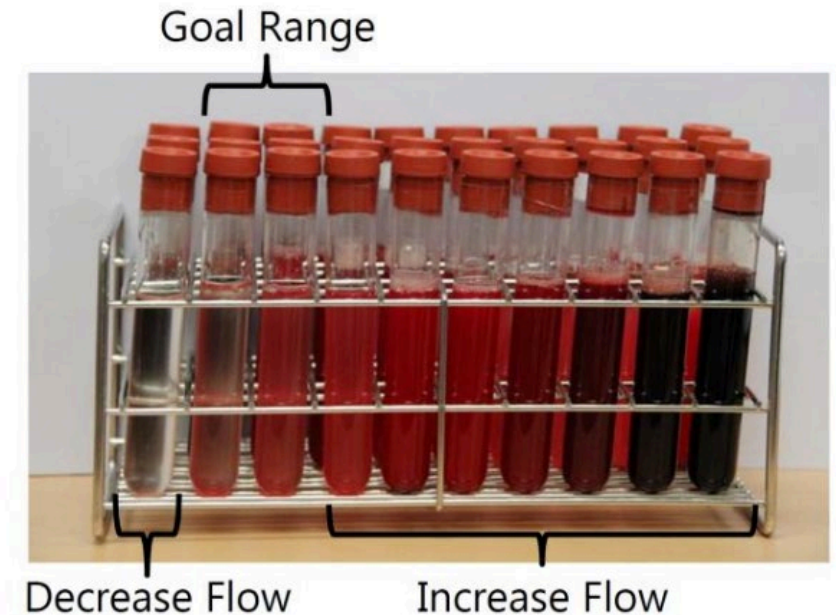
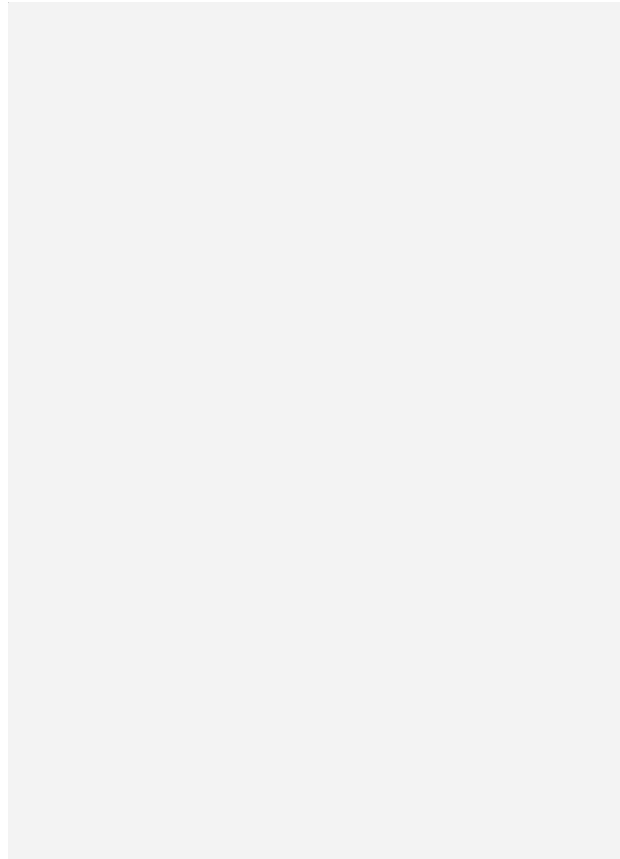


Continuous Bladder Irrigation

Caroline Booth, Aadit Mehta, Michael Rainey, Megan Tyre, RyanCole Weldon-Carroll

- Post-surgical procedure used to prevent blood clotting in a catheter



Objectives and Constraints

Objectives

- Quantitatively measure the output solution
- Measure Blood loss
- Regulate saline flow into the bladder
- Create a control loop
- Develop fail-safe and alarm system

Constraints

- Non-Invasive
- No major changes to current system
- Reusable
- Simple implementation (no tools required)
- No batteries

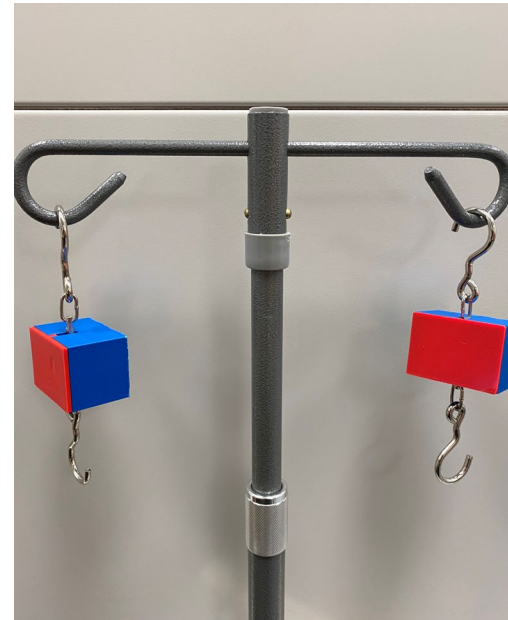
New System



Final Enclosure - Exterior



Final Enclosure - Interior



Strain Gauges



Metal Clamp & Servo