Viscoelastic properties of the pulmonary artery provide insight into the flow, stiffness, and pressure. These properties will allow us to determine the response of the pulmonary artery to different frequency signals. These increases in frequency should provide a trial means to represent increases in heart rate due to exercise. Hypoxia can be caused due to higher elevation due to the limited amount of O$_2$, to represent this hypoxic and normoxic mice both are being tested with increased frequencies to give some insight into exercise at higher elevations.