Cardiovascular Consequences of Duchenne Muscular Dystrophy (DMD) and Becker Muscular Dystrophy (BMD)

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What are we studying?

- The heart and the associated blood vessels throughout the body

Why are we studying the heart?

- Incidence of cardiomyopathy is ~90% by age 18 (Nigro et al Int J Cardiol)
- The contributing mechanisms, clinical markers, and methods of early detection are underexplored

The goal of our study:

- Characterize the health of the heart and the blood vessels to see how they are related and how they change over time as the disease progresses
- These results will help to inform clinicians and researchers regarding better patient care and future interventions
What does the study consist of?

- **1 -3 visits ~ 1.5 hours** in length (option to repeat annually)

- **Study visit 1 includes:**
  - Signing informed consent/paperwork
  - Blood draw in the laboratory
  - Measures of blood vessel stiffness and functional measurements
What does the study consist of?

• **Study visits 2 & 3 include:**
  – Cardiac function measurements (Echocardiography)
  – Cardiac fibrosis measurements (Cardiac Magnetic Resonance Imaging – cMRI) (can opt out)

• **Participants:** DMD & BMD – 7-21 years of age

• **Scheduling:** Fairly flexible, usually in the A.M., can work with already scheduled clinic visits

• **Costs:** No cost, we compensate you for your time

**Funding:**
- National Institutes of Health (NIH) P20GM113125
How can I sign up?

Contact – Stephanie Lee or Kimberly Klipner - 302-651-6317

Questions – Dr. Mena Scavina – Neurology

Are you a Patient elsewhere?

Contact – Dr. Melissa Witman – witmanresearchlab@udel.edu