**GEN37 - The relationship between aortic and PA diameter among individuals with genetic conditions of the thoracic aorta: A report from the GenTAC registry**

**OBJECTIVE:** To investigate the relation between the aortic and pulmonary artery diameter.

**ORGANIZATION**

**Lead Investigator:** Allen J. Taylor MD  
**Co-Investigators:** Federico M Asch MD, Emad Tantawy MD, Gaby Weissman MD, Wm. Guy Weigold MD  
**Funding Source:** Imaging Core Laboratory, Medstar Health Research Institute

**BACKGROUND AND RATIONALE**

Detection of thoracic aortic dimensions requires advanced imaging procedures, whereas the pulmonary artery can be imaged by more simple techniques such as echocardiography. The pulmonary artery and aorta share structural similarities, and thus we hypothesized that genetic conditions affecting the thoracic aorta may bear a relationship to pulmonary artery diameter.

**DESIGN**

**Hypothesis:** Genetic conditions affecting the thoracic aorta may bear a relationship to pulmonary artery diameter.

**Inclusion criteria:** Adults (≥18 years old) enrolled into the GenTAC registry whose images have been submitted to the Imaging Core.

**Exclusion criteria:** Subjects who have had an aortic dissection or graft.

**Samples:** None

**Data:** Demographic data and imaging data.

**CONCLUSIONS**

**Results:** Results pending