Evaluation through Comparison of Pre and Post Testicular Torsion Treatment in Adolescents and Adults

- **Background:** The spermatic cord provides blood supply to the testicle. Testicular torsion occurs when the spermatic cord twists. The main symptom is a sudden onset of testicular pain. Testicular torsion is most common among adolescent young men. Testicular torsion is a surgical emergency that requires prompt intervention to restore blood flow. With prompt treatment, the testicle can often be saved. Testicle salvage rate decreases with time.
- **Hypothesis:** Treatment in young men less than 18 years of age (compared to young men >=18 years of age) may be delayed in an attempt to get these pediatric patients to a children’s hospital.

**Specific Aim 1:** Compare age group 1 (14-17 years) vs age group 2 (18-25): Time to OR from onset of symptoms (if available)/ VUMC first aware of patient (ED check in, transport notification).

**Specific Aim 2:** Compare age group 1 (14-17 years) vs age group 2 (18-25): Distance from home zip code to VUMC

**Specific Aim 3:** Compare age group 1 (14-17 years) vs age group 2 (18-25): %transported from another hospital

**Specific Aim 4:** Compare age group 1 (14-17 years) vs age group 2 (18-25): salvage rate.