Study title: Tadalafil as an adjuvant therapy for Duchenne muscular dystrophy

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The primary end point of this pilot study is the difference in MRI-BOLD vascular response between examination on study drug (tadalafil) and off study-drug. The difference will be calculated for each study participant. Statistical analysis will be performed using Graphpad Prism 10 for macOS, using a paired t-test if the data are normally distributed or a Wilcoxon matched-pairs signed rank test with an exact P-value 0.05. This pilot study will help generate precise estimates of effect variance in the population in which a subsequent larger-scale study will be conducted.