Evaluating the Performance of the Duchenne Video Assessment (DVA): ARISE, a Remote Study

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BACKGROUND

- Duchenne muscular dystrophy (DMD) clinical assessments include time and endurance-based assessments.
- These assessments do not capture the *quality* of movement, as defined as the number of compensations an individual uses to complete everyday tasks.
- The Duchenne Video Assessment (DVA) is a new tool that quantifies these compensations, providing a standardized way to assess quality of movement as an indication of disease severity and progression.

OBJECTIVE

ARISE is a home-based study of individuals with DMD aimed at collecting the remaining data required to submit the DVA to the Food and Drug Administration (FDA) and European Medicines Agency (EMA) for qualification.

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METHODS

- Males and females with DMD ages 2 and up can participate.
- Families will collect videos of the participant performing pre-specified tasks at home, such as walking or eating. Six sets of videos will be collected over 2 years.
- Physical therapists will rate the videos.
- Additional questionnaires and remote assessments will also be collected.
- Participants will be compensated for their time.

RESULTS

Data collected during the study will also be used to evaluate the performance of the DVA scorecards and to refine rater training programs for the DVA outcome measure so it can be used in more clinical trials.

CONCLUSION

This study will evaluate the measurement properties of the DVA for future clinical trials as a primary or secondary endpoint by providing data sufficient to establish the instrument's reliability, validity, and sensitivity to detect change.

Want more information?

If you'd like to participate or learn more about the ARISE Study, you can email or call the Casimir study staff at ARISE@casimirtrials.com or 888-283-1635.