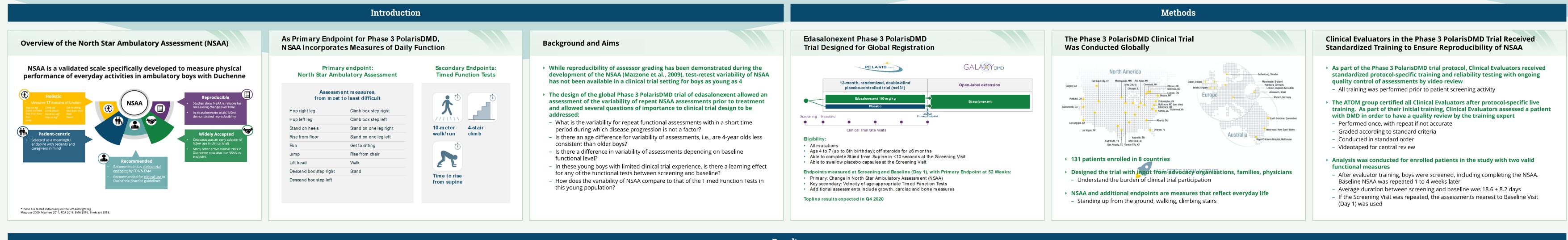
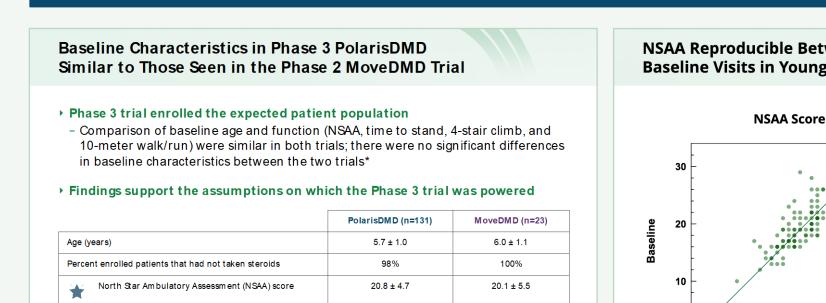
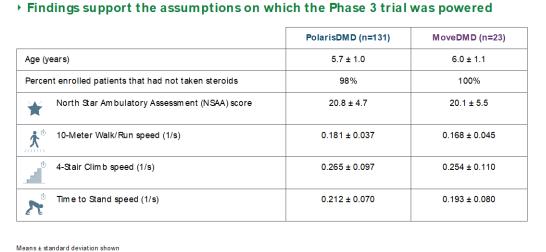
In the Global Phase 3 PolarisDMD Trial for Edasalonexent, Standardized Outcome Measure Training Produces Excellent Test-Retest Variability in the North Star Ambulatory Assessment

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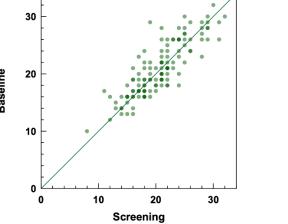






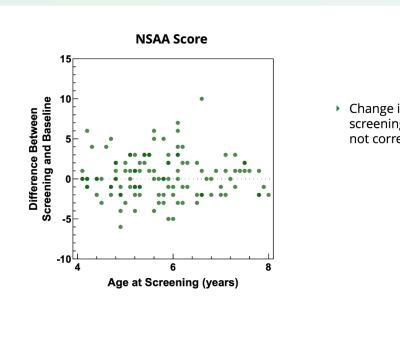




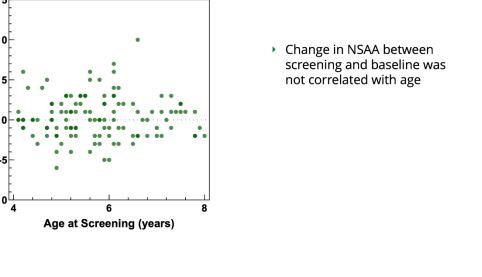


baseline, there was a mean increase of 0.3 points, or 1.7%, which supports that there was no meaningful learning effect from performing the test after the first time in the clinical trial

Intra-patient Variability of NSAA Between Screening and Baseline Did Not Depend on Age

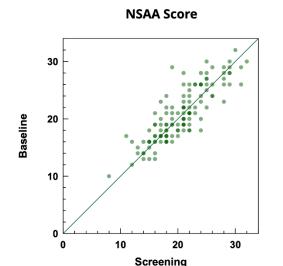


Change in NSAA between



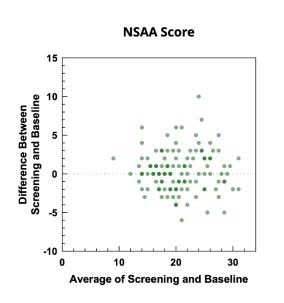
Results

NSAA Reproducible Between Screening and



- In 124 boys with valid paired assessments, screening and baseline generally show consistency Lines of identity shown with intraclass correlation coefficient = 0.84

Intra-patient Variability of NSAA Did Not Depend on Baseline Functional Status

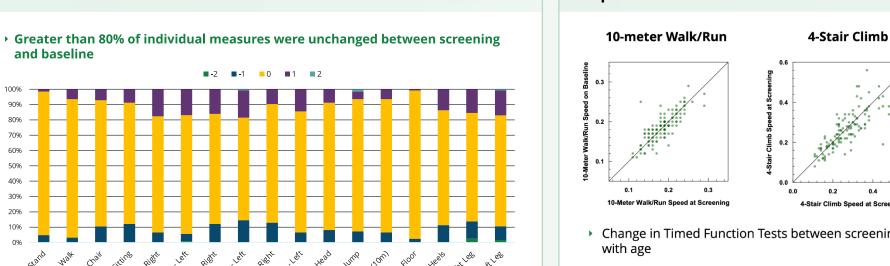


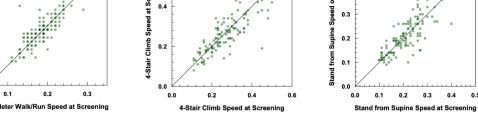
Change in NSAA between screening and baseline was not correlated with baseline function as measured by the average of screening and

> There did not appear to be a difference in variability that depended on baseline function

Darker shade on graph shows overlap of patient

Individual Timed Function Tests Are Generally Variability of Individual NSAA Measures Reproducible





- Change in Timed Function Tests between screening and baseline was not correlated
- Change in Timed Function Tests between screening and baseline was not correlated with baseline function as measured by the average of screening and baseline
- Mean differences between screening and baseline were small: 0.6, 1.0 and 2% for 10MWR, 4-SC and TTS, respectively, consistent with a lack of learning effect

Conclusions

Muntoni WMS 2018, Wong WMS 2019, Pitchforth WMS 2019

Reproducibility of Additional Functional Measures Between Screening and Baseline

The NSAA and Timed Function Tests were reproducible in the Phase 3 PolarisDMD study population

Results

- NSAA was more reproducible than the Timed Function Tests in this population
- The Intraclass Correlation (ICC) allows determination of the Standard Error of the Measurement, considered to be a measure of the Minimum Clinically Important

	Intraclass Correlation	Standard Error of the Measurement (% of mean)
North Star Ambulatory Assessment (NSAA) score	0.84	1.86 (9%)
10-Meter Walk/Run speed (1/s)	0.82	0.015 (9%)
4-Stair Climb speed (1/s)	0.81	0.037 (16%)
Time to Stand speed (1/s)	0.79	0.042 (17%)

Literature Estimates of Minimum Clinically Important Difference (MCID) in NSAA Over 1 Year

Age NSAA Change MCID in NSAA varies by method oducibility of measure rd Error of the Mean in PolarisDMD baseline NSAA change for a defined Statistical Statistical Anchor- Consensus ent/caregiver questionnair

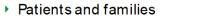
For parents, a meaningful change in NSAA was 1 – 2 points depending on the impact to function. A meaningful change was 1, if that reflected loss of ability to perform a function, or 2, if that reflected worsening of ability to perform 2 of the NSAA functional measures *The statistical SEM methods differ in the patient population measured. The SEM for PolarisDMD was measured in boys with DMD not on steroids, while the other SEM methods measured boys with DMD who were on steroids

Conclusions

- ▶ Both the North Star Ambulatory Assessment and Timed Function Tests demonstrated reproducibility in 4 to 7 year olds (up to 8th birthday) after standardized training
- There were no significant learning effects for any of these functional measures, even at the youngest ages
- When functional measures were repeated, variability did not depend upon baseline functional level
- Based on the intraclass correlation of repeated measures, NSAA and the Timed Function Tests were reproducible, which supports use of their use as primary and secondary efficacy endpoints in the Phase 3 PolarisDMD trial

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- Phase 3 PolarisDMD Investigators, Clinical Evaluators and Site Staff
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- Catabasis team



and baseline

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- Maria Mancini, James MacDougall, and Joanne Donovan are employees or consultants of Catabasis and may hold stock in Catabasis
- · Edasalonexent is an investigational agent that is not approved in any territory

Questions? MedInfo@catabasis.com

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