



## Clinical trial results: A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial for Duchenne Muscular Dystrophy Using SRP-9001

### Summary

EudraCT number	2021-000078-27
Trial protocol	Outside EU/EEA
Global end of trial date	16 August 2023

### Results information

Result version number	v1 (current)
This version publication date	06 March 2024
First version publication date	06 March 2024

### Trial information

#### Trial identification

Sponsor protocol code	SRP-9001-102
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#### Additional study identifiers

ISRCTN number	-
ClinicalTrials.gov id (NCT number)	NCT03769116
WHO universal trial number (UTN)	-

Notes:

### Sponsors

Sponsor organisation name	Sarepta Therapeutics, Inc.
Sponsor organisation address	215 First Street, Cambridge, MA, United States, 02142
Public contact	Medical Director, Sarepta Therapeutics, Inc., 1 888-727-3782, SareptAlly@sarepta.com
Scientific contact	Medical Director, Sarepta Therapeutics, Inc., 1 888-727-3782, SareptAlly@sarepta.com

Notes:

### Paediatric regulatory details

Is trial part of an agreed paediatric investigation plan (PIP)	Yes
EMA paediatric investigation plan number(s)	EMEA-002677-PIP01-19
Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial?	No
Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial?	Yes

Notes:

## Results analysis stage

Analysis stage	Final
Date of interim/final analysis	16 August 2023
Is this the analysis of the primary completion data?	No
Global end of trial reached?	Yes
Global end of trial date	16 August 2023
Was the trial ended prematurely?	No

Notes:

## General information about the trial

Main objective of the trial:

The primary objectives of this study are the assessments of the safety and efficacy of intravenous administration of delandistrogene moxeparvovec (SRP-9001) in Duchenne muscular dystrophy participants.

Protection of trial subjects:

Written informed consent from each participant or participant's parent(s) or legal guardian(s), if applicable, and written assent from each participant, if applicable, were obtained before any study-specific screening or baseline period evaluations were performed. The anonymity of participating participant will be maintained to the extent required by applicable laws and in accordance with current Health Insurance Portability and Accountability Act (HIPAA) standards. This study was designed and monitored in accordance with Sponsor procedures, which complied with the ethical principles of Good Clinical Practice (GCP) as required by the major regulatory authorities, and in accordance with the Declaration of Helsinki.

Background therapy: -

Evidence for comparator: -

Actual start date of recruitment	05 December 2018
Long term follow-up planned	Yes
Long term follow-up rationale	Safety, Efficacy
Long term follow-up duration	5 Years
Independent data monitoring committee (IDMC) involvement?	Yes

Notes:

## Population of trial subjects

### Subjects enrolled per country

Country: Number of subjects enrolled	United States: 41
Worldwide total number of subjects	41
EEA total number of subjects	0

Notes:

### Subjects enrolled per age group

In utero	0
Preterm newborn - gestational age < 37 wk	0
Newborns (0-27 days)	0
Infants and toddlers (28 days-23 months)	0

Children (2-11 years)	41
Adolescents (12-17 years)	0
Adults (18-64 years)	0
From 65 to 84 years	0
85 years and over	0

## Subject disposition

### Recruitment

Recruitment details:

This was a 3-part clinical study of a single dose of delandistrogene moxeparovec. Participants were randomized to receive delandistrogene moxeparovec in one of two 48-week periods (Part 1 or Part 2) via a crossover study design. Part 3 was an open-label follow up.

### Pre-assignment

Screening details:

No participants were excluded as all randomized participants received study drug in either Part 1 or Part 2.

### Period 1

Period 1 title	Part 1 - Double Blind
Is this the baseline period?	Yes
Allocation method	Randomised - controlled
Blinding used	Double blind
Roles blinded	Investigator, Carer, Assessor, Subject

### Arms

Are arms mutually exclusive?	Yes
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<b>Arm title</b>	Delandistrogene Moxeparovec Switched Over to Placebo
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Arm description:

Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	Experimental
Investigational medicinal product name	delandistrogene moxeparovec
Investigational medicinal product code	SRP-9001
Other name	SRP-9001, delandistrogene moxeparovec-rokl, ELEVIDYS
Pharmaceutical forms	Solution for infusion
Routes of administration	Intravenous use

Dosage and administration details:

Single intravenous (IV) infusion

<b>Arm title</b>	Placebo Switched Over to Delandistrogene Moxeparovec
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Arm description:

Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	Experimental
Investigational medicinal product name	Placebo
Investigational medicinal product code	Placebo
Other name	Lactated Ringer's solution
Pharmaceutical forms	Solution for infusion
Routes of administration	Intravenous use

Dosage and administration details:

Single IV infusion

<b>Number of subjects in period 1</b>	Delandistrogene Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparovec
Started	20	21
Received At Least 1 Dose Of Study Drug	20	21
Completed	20	21

## Period 2

Period 2 title	Part 2 - Double Blind
Is this the baseline period?	No
Allocation method	Randomised - controlled
Blinding used	Double blind
Roles blinded	Subject, Investigator, Carer, Assessor

## Arms

Are arms mutually exclusive?	Yes
<b>Arm title</b>	Delandistrogene Moxeparovec Switched Over to Placebo

Arm description:

Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	Experimental
Investigational medicinal product name	Placebo
Investigational medicinal product code	Placebo
Other name	Lactated Ringer's solution
Pharmaceutical forms	Solution for infusion
Routes of administration	Intravenous use

Dosage and administration details:

Single IV infusion

<b>Arm title</b>	Placebo Switched Over to Delandistrogene Moxeparovec
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Arm description:

Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	Experimental
Investigational medicinal product name	delandistrogene moxeparovec
Investigational medicinal product code	SRP-9001
Other name	SRP-9001, delandistrogene moxeparovec-rokl, ELEVIDYS
Pharmaceutical forms	Solution for infusion
Routes of administration	Intravenous use

Dosage and administration details:

Single IV infusion

<b>Number of subjects in period 2</b>	Delandistrogene Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparovec
Started	20	21
Received At Least 1 Dose Of Study Drug	20	21
Completed	20	21

### Period 3

Period 3 title	Part 3 - Open Label
Is this the baseline period?	No
Allocation method	Randomised - controlled
Blinding used	Not blinded

### Arms

Are arms mutually exclusive?	Yes
<b>Arm title</b>	Delandistrogene Moxeparovec Switched Over to Placebo

Arm description:

Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	No intervention
No investigational medicinal product assigned in this arm	
<b>Arm title</b>	Placebo Switched Over to Delandistrogene Moxeparovec

Arm description:

Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Arm type	No intervention
No investigational medicinal product assigned in this arm	

<b>Number of subjects in period 3</b>	Delandistrogene Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparovec
Started	20	21
Completed	17	19
Not completed	3	2
Physician decision	1	-
Consent withdrawn by subject	1	-
Study Terminated by Sponsor	1	2



## Baseline characteristics

### Reporting groups

Reporting group title	Delandistrogene Moxeparvovec Switched Over to Placebo
Reporting group description:	Participants received delandistrogene moxeparvovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.
Reporting group title	Placebo Switched Over to Delandistrogene Moxeparvovec
Reporting group description:	Participants received placebo at Part 1 followed by delandistrogene moxeparvovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Reporting group values	Delandistrogene Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparvovec	Total
Number of subjects	20	21	41
Age categorical			
Units: Subjects			
In utero	0	0	0
Preterm newborn infants (gestational age < 37 wks)	0	0	0
Newborns (0-27 days)	0	0	0
Infants and toddlers (28 days-23 months)	0	0	0
Children (2-11 years)	20	21	41
Adolescents (12-17 years)	0	0	0
Adults (18-64 years)	0	0	0
From 65-84 years	0	0	0
85 years and over	0	0	0
Age Continuous			
Units: years			
arithmetic mean	6.29	6.24	-
standard deviation	± 1.19	± 1.13	-
Sex: Female, Male			
Units: participants			
Female	0	0	0
Male	20	21	41
Race (NIH/OMB)			
NIH/OMB = National Institutes of Health/Office of Management and Budget			
Units: Subjects			
American Indian or Alaska Native	0	0	0
Asian	4	1	5
Native Hawaiian or Other Pacific Islander	0	0	0
Black or African American	0	0	0
White	13	17	30
More than one race	0	0	0
Unknown or Not Reported	3	3	6
Ethnicity (NIH/OMB)			
Units: Subjects			
Hispanic or Latino	1	4	5

Not Hispanic or Latino	19	16	35
Unknown or Not Reported	0	1	1
North Star Ambulatory Assessment (NSAA) Group			
Median score = 21			
Units: Subjects			
NSAA baseline total score $\geq$ median score	8	15	23
NSAA baseline total score $<$ median score	12	6	18

## End points

### End points reporting groups

Reporting group title	Delandistrogene Moxeparovec Switched Over to Placebo
Reporting group description: Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Reporting group title	Placebo Switched Over to Delandistrogene Moxeparovec
Reporting group description: Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Reporting group title	Delandistrogene Moxeparovec Switched Over to Placebo
Reporting group description: Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Reporting group title	Placebo Switched Over to Delandistrogene Moxeparovec
Reporting group description: Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Reporting group title	Delandistrogene Moxeparovec Switched Over to Placebo
Reporting group description: Participants received delandistrogene moxeparovec at Part 1 followed by placebo at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Reporting group title	Placebo Switched Over to Delandistrogene Moxeparovec
Reporting group description: Participants received placebo at Part 1 followed by delandistrogene moxeparovec at Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.	
Subject analysis set title	Less than 1 Year after Delandistrogene Moxeparovec Infusion
Subject analysis set type	Safety analysis
Subject analysis set description: All participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2.	
Subject analysis set title	1 to 2 Years after Delandistrogene Moxeparovec Infusion
Subject analysis set type	Safety analysis
Subject analysis set description: All participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2.	
Subject analysis set title	2 to 3 Years after Delandistrogene Moxeparovec Infusion
Subject analysis set type	Safety analysis
Subject analysis set description: All participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2.	
Subject analysis set title	3 to 4 Years after Delandistrogene Moxeparovec Infusion
Subject analysis set type	Safety analysis
Subject analysis set description: All participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2 and who were evaluable.	
Subject analysis set title	More than 4 Years after Delandistrogene Moxeparovec Infusion
Subject analysis set type	Safety analysis
Subject analysis set description: All participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2 and who were evaluable.	
Subject analysis set title	Intent-to-Treat (ITT) Population
Subject analysis set type	Intention-to-treat

Subject analysis set description:

All randomized participants who received study treatment (delandistrogene moxeparovec or placebo) during Part 1.

Subject analysis set title	Safety Population
Subject analysis set type	Safety analysis

Subject analysis set description:

All participants who received study treatment during Part 1 or Part 2, with treatment group designated according to the treatment that they actually received.

**Primary: Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparovec Dystrophin Protein Expression as Measured by Western Blot Adjusted by Muscle Content**

End point title	Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparovec Dystrophin Protein Expression as Measured by Western Blot Adjusted by Muscle Content
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End point description:

Baseline muscle biopsies with ultrasound guidance were performed pre-treatment and post-treatment (Week 12) on all participants. The change from baseline in delandistrogene moxeparovec dystrophin expression in these muscle biopsy samples was determined by Western Blot. Dystrophin protein was measured and then adjusted based on the percentage of muscle content in the biopsy sample. An increase in protein expression indicates production of the delandistrogene moxeparovec dystrophin protein. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1.

End point type	Primary
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End point timeframe:

Baseline, Week 12 (Part 1)

<b>End point values</b>	Delandistrogene Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	20	21		
Units: Percent Normal arithmetic mean (standard deviation)				
Baseline	4.23 ( $\pm$ 6.83)	1.91 ( $\pm$ 1.28)		
Change from Baseline	23.82 ( $\pm$ 39.76)	0.14 ( $\pm$ 1.24)		

**Statistical analyses**

<b>Statistical analysis title</b>	Western Blot Adjusted by Muscle Content Analysis
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Statistical analysis description:

Analysis conducted on changes from baseline.

Comparison groups	Delandistrogene Moxeparovec Switched Over to Placebo v Placebo Switched Over to Delandistrogene Moxeparovec
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Number of subjects included in analysis	41
Analysis specification	Pre-specified
Analysis type	
P-value	< 0.0001
Method	Wilcoxon rank sum test
Parameter estimate	Hodges-Lehmann treatment diff
Point estimate	6.11
Confidence interval	
level	95 %
sides	2-sided
lower limit	2.08
upper limit	12.58

### Primary: Change From Baseline at Week 48 in NSAA Total Score

End point title	Change From Baseline at Week 48 in NSAA Total Score
End point description:	<p>The NSAA is a healthcare provider administered scale that rates performance of various motor abilities in ambulant children with Duchenne Muscular Dystrophy and is used to monitor disease progression and treatment effects. During assessment, participants are asked to perform 17 different functional activities that are graded as: 2 - "Normal" - no obvious modification of activity; 1 - Modified method but achieves goal independent of assistance; 0 - Unable to achieve independently. The NSAA total score is defined as the sum of all 17 items, ranging from 0 (worst) to 34 (best). The response vector consists of the change from baseline in NSAA total score at the post-baseline visit. The model includes the covariates of treatment group, visit, treatment group by visit interaction, age group, baseline NSAA total score, and baseline NSAA total score by visit interaction. All covariates are fixed effects in this analysis. An increase in score indicates an improvement in motor function.</p>
End point type	Primary
End point timeframe:	Baseline, Week 48 (Part 1)

End point values	Delandistrogene Moxeparvec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparvec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19 <sup>[1]</sup>	21 <sup>[2]</sup>		
Units: Score on a scale				
least squares mean (standard error)	1.7 (± 0.6)	0.9 (± 0.6)		

Notes:

[1] - ITT - those who were evaluable for this end point

[2] - ITT

### Statistical analyses

Statistical analysis title	NSAA Total Score Analysis
Comparison groups	Delandistrogene Moxeparvec Switched Over to Placebo v Placebo Switched Over to Delandistrogene Moxeparvec

Number of subjects included in analysis	40
Analysis specification	Pre-specified
Analysis type	
P-value	= 0.373
Method	Mixed-model for Repeated Measures
Parameter estimate	LSM Change Difference
Point estimate	0.8
Confidence interval	
level	95 %
sides	2-sided
lower limit	-1
upper limit	2.7
Variability estimate	Standard error of the mean
Dispersion value	0.9

### Secondary: Change From Baseline at Week 48 in Time to Ascend 4 Steps

End point title	Change From Baseline at Week 48 in Time to Ascend 4 Steps
End point description:	This functional assessment measures the time taken to climb 4 steps. All functional assessments were administered by a clinical evaluator. A decrease in time indicates an improvement in motor function. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1 and who were evaluable for this end point.
End point type	Secondary
End point timeframe:	Baseline, Week 48 (Part 1)

End point values	Delandistrogene Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparvovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19	21		
Units: second				
least squares mean (standard error)	0.17 (± 0.26)	0.03 (± 0.26)		

### Statistical analyses

No statistical analyses for this end point

### Secondary: Change From Baseline at Week 48 in Time of 100-meter Timed Test

End point title	Change From Baseline at Week 48 in Time of 100-meter Timed Test
End point description:	This functional assessment measures the time needed to move 100 meters. All functional assessments

were administered by a clinical evaluator. A decrease in time indicates an improvement in motor function. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1 and who were evaluable for this end point.

End point type	Secondary
End point timeframe:	
Baseline, Week 48 (Part 1)	

<b>End point values</b>	Delandistrogen e Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogen e Moxeparvovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19	21		
Units: second				
least squares mean (standard error)	4.29 (± 3.92)	6.28 (± 3.83)		

### Statistical analyses

No statistical analyses for this end point

### Secondary: Change From Baseline at Week 48 in Time of 10-meter Timed Test

End point title	Change From Baseline at Week 48 in Time of 10-meter Timed Test
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End point description:

This functional assessment measures the time needed to move 10 meters. All functional assessments were administered by a clinical evaluator. A decrease in time indicates an improvement in motor function. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1 and who were evaluable for this end point.

End point type	Secondary
End point timeframe:	
Baseline, Week 48 (Part 1)	

<b>End point values</b>	Delandistrogen e Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogen e Moxeparvovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19	21		
Units: second				
least squares mean (standard error)	0.59 (± 0.20)	0.10 (± 0.19)		

## Statistical analyses

No statistical analyses for this end point

### Secondary: Change From Baseline at Week 48 in Time to Rise From the Floor

End point title	Change From Baseline at Week 48 in Time to Rise From the Floor
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End point description:

This functional assessment was performed as a part of the NSAA and measures the time taken to rise from supine to standing. All functional assessments were administered by a clinical evaluator. A decrease in time indicates an improvement in motor function. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1 and who were evaluable for this end point.

End point type	Secondary
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End point timeframe:

Baseline, Week 48 (Part 1)

End point values	Delandistrogene Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19	21		
Units: second				
least squares mean (standard error)	-0.15 (± 0.25)	0.35 (± 0.23)		

## Statistical analyses

No statistical analyses for this end point

### Secondary: Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparovec Dystrophin Protein Expression Measured by IF Percent Dystrophin Positive Fibers (PDPF)

End point title	Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparovec Dystrophin Protein Expression Measured by IF Percent Dystrophin Positive Fibers (PDPF)
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End point description:

Baseline muscle biopsies were performed pre-treatment and post-treatment (Week 12) on all participants. The change from baseline in delandistrogene moxeparovec dystrophin expression in these muscle biopsy samples was determined by IF PDPF. Automated software was used to quantify the intensity of dystrophin expression post-treatment compared to pre-treatment (Percent Normal). The number of muscle fibers expressing dystrophin was quantified by independent trained evaluators. An increase in IF PDPF indicates increased delandistrogene moxeparovec dystrophin expression. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1.

End point type	Secondary
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End point timeframe:

Baseline, Week 12 (Part 1)

<b>End point values</b>	Delandistrogene Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparvovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	20	21		
Units: percent dystrophin positive fibers				
arithmetic mean (standard deviation)	23.88 (± 25.58)	5.09 (± 12.96)		

### Statistical analyses

No statistical analyses for this end point

### Secondary: Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparvovec Dystrophin Protein Expression Measured by Immunofluorescence (IF) Fiber Intensity

End point title	Change From Baseline at Week 12 in Quantity of Delandistrogene Moxeparvovec Dystrophin Protein Expression Measured by Immunofluorescence (IF) Fiber Intensity
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End point description:

Baseline muscle biopsies were performed pre-treatment and post-treatment (Week 12) on all participants. The change from baseline in delandistrogene moxeparvovec dystrophin expression in these muscle biopsy samples was determined using IF fiber intensity. Automated software was used to quantify the intensity of dystrophin expression post-treatment compared to pre-treatment (Percent Normal). The number of muscle fibers expressing dystrophin was quantified by independent trained evaluators. An increase in IF fiber intensity indicates increased delandistrogene moxeparvovec dystrophin expression. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1.

End point type	Secondary
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End point timeframe:

Baseline, Week 12 (Part 1)

<b>End point values</b>	Delandistrogene Moxeparvovec Switched Over to Placebo	Placebo Switched Over to Delandistrogene Moxeparvovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	20	21		
Units: percent fluorescent expression				
arithmetic mean (standard deviation)	0.06 (± 0.11)	0.00 (± 0.02)		

## Statistical analyses

No statistical analyses for this end point

### Secondary: Participants Experiencing Adverse Events (AEs) Since Treatment with Delandistrogene Moxeparovec

End point title	Participants Experiencing Adverse Events (AEs) Since Treatment with Delandistrogene Moxeparovec
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End point description:

Participants experiencing AEs are reported based upon the time to AE onset after delandistrogene moxeparovec infusion. Each analysis set includes data from both arms and is based upon the Delandistrogene Moxeparovec-treated Population: all participants who were treated with delandistrogene moxeparovec in Part 1 or Part 2.

'Delandistrogene Moxeparovec switched over to Placebo' participants received delandistrogene moxeparovec in Part 1, followed by placebo in Part 2. AEs experienced by participants during Parts 1, 2, and 3 of the study are reported.

'Placebo switched over to Delandistrogene Moxeparovec' participants received placebo in Part 1, followed by delandistrogene moxeparovec in Part 2. AEs experienced by participants during Parts 2 and 3 of the study are reported.

No intervention was administered during Part 3.

A summary of serious and all other non-serious AEs regardless of causality is located in the Reported Adverse Events module.

End point type	Secondary
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End point timeframe:

Day 1 through Week 130

End point values	Less than 1 Year after Delandistrogene Moxeparovec Infusion	1 to 2 Years after Delandistrogene Moxeparovec Infusion	2 to 3 Years after Delandistrogene Moxeparovec Infusion	3 to 4 Years after Delandistrogene Moxeparovec Infusion
Subject group type	Subject analysis set	Subject analysis set	Subject analysis set	Subject analysis set
Number of subjects analysed	41	41	41	30
Units: participants				
Treatment-emergent AE (TEAE)	41	37	33	17
Serious AE (SAE)	5	1	2	0
Treatment-related TEAE	37	2	1	0
Treatment-related SAE	3	0	0	0
Any AE leading to study discontinuation	0	0	0	0
Death	0	0	0	0

End point values	More than 4 Years after Delandistrogene Moxeparovec Infusion			
Subject group type	Subject analysis set			
Number of subjects analysed	12			
Units: participants				
Treatment-emergent AE (TEAE)	3			
Serious AE (SAE)	0			

Treatment-related TEAE	0			
Treatment-related SAE	0			
Any AE leading to study discontinuation	0			
Death	0			

## Statistical analyses

No statistical analyses for this end point

### Other pre-specified: Baseline NSAA Total Score by Age Group

End point title	Baseline NSAA Total Score by Age Group
End point description:	
<p>The NSAA is a healthcare provider administered scale that rates performance of various motor abilities in ambulant children with Duchenne Muscular Dystrophy and is used to monitor disease progression and treatment effects. During assessment, participants are asked to perform 17 different functional activities that are graded as: 2 - "Normal" - no obvious modification of activity; 1 - Modified method but achieves goal independent of assistance; 0 - Unable to achieve independently. The NSAA total score is defined as the sum of all 17 items, ranging from 0 (worst) to 34 (best). This end point presents only the baseline NSAA total score of the ITT population by the following age groups: 4-5 years old; 6-7 years old. Reported results based upon the ITT Population: all randomized participants who received study treatment during Part 1.</p>	
End point type	Other pre-specified
End point timeframe:	
Baseline	

End point values	Delandistrogen e Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogen e Moxeparovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	20	21		
Units: Score on a scale				
arithmetic mean (standard deviation)				
Age Group: 4-5 years old	20.1 (± 1.9)	20.4 (± 2.7)		
Age Group: 6-7 years old	19.6 (± 4.1)	24.0 (± 2.9)		

## Statistical analyses

No statistical analyses for this end point

### Other pre-specified: Change From Baseline at Week 48 in NSAA Total Score by Age Group

End point title	Change From Baseline at Week 48 in NSAA Total Score by Age Group
End point description:	
<p>The NSAA is a healthcare provider administered scale that rates performance of various motor abilities</p>	

in ambulant children with Duchenne Muscular Dystrophy and is used to monitor disease progression and treatment effects. During assessment, participants are asked to perform 17 different functional activities that are graded as: 2 - "Normal" - no obvious modification of activity; 1 - Modified method but achieves goal independent of assistance; 0 - Unable to achieve independently. The NSAA total score is defined as the sum of all 17 items, ranging from 0 (worst) to 34 (best). The response vector consists of the change from baseline in NSAA total score at the post-baseline visit. The model includes the covariates of treatment group, visit, treatment group by visit interaction, age group, baseline NSAA total score, and baseline NSAA total score by visit interaction. All covariates are fixed effects in this analysis. An increase in score indicates an improvement in motor function.

End point type	Other pre-specified
End point timeframe:	
Baseline, Week 48 (Part 1)	

<b>End point values</b>	Delandistrogen e Moxeparovec Switched Over to Placebo	Placebo Switched Over to Delandistrogen e Moxeparovec		
Subject group type	Reporting group	Reporting group		
Number of subjects analysed	19 <sup>[3]</sup>	21 <sup>[4]</sup>		
Units: Score on a scale				
least squares mean (standard error)				
Age Group: 4-5 years old	4.3 (± 0.6)	1.9 (± 0.6)		
Age Group: 6-7 years old	-0.2 (± 0.7)	0.5 (± 0.7)		

Notes:

[3] - ITT - those who were evaluable for this end point

[4] - ITT

## Statistical analyses

<b>Statistical analysis title</b>	NSAA Total Score Analysis: 6-7 Years Old
Statistical analysis description:	
Change from baseline - Age Group: 6-7 years old	
Comparison groups	Delandistrogene Moxeparovec Switched Over to Placebo v Placebo Switched Over to Delandistrogene Moxeparovec
Number of subjects included in analysis	40
Analysis specification	Pre-specified
Analysis type	
P-value	= 0.5384
Method	Mixed-model for Repeated Measures
Parameter estimate	LSM Change Difference
Point estimate	-0.7
Confidence interval	
level	95 %
sides	2-sided
lower limit	-3
upper limit	1.6
Variability estimate	Standard error of the mean
Dispersion value	1.1

<b>Statistical analysis title</b>	NSAA Total Score Analysis: 4-5 Years Old
Statistical analysis description:	
Change from baseline - Age Group: 4-5 years old	
Comparison groups	Delandistrogene Moxeparovec Switched Over to Placebo v Placebo Switched Over to Delandistrogene Moxeparovec
Number of subjects included in analysis	40
Analysis specification	Pre-specified
Analysis type	
P-value	= 0.0172
Method	Mixed-model for Repeated Measures
Parameter estimate	LSM Change Difference
Point estimate	2.5
Confidence interval	
level	95 %
sides	2-sided
lower limit	0.5
upper limit	4.4
Variability estimate	Standard error of the mean
Dispersion value	0.9

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Day 1 through Week 130

Adverse event reporting additional description:

This was a 3-part clinical study of a single dose of delandistrogene moxeparvovec. Participants were randomized to receive delandistrogene moxeparvovec in one of two 48-week periods (Part 1 or Part 2) via a crossover study design. Part 3 was an open-label follow up. All reported adverse events are based upon the Safety Population.

Assessment type	Systematic
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### Dictionary used

Dictionary name	MedDRA
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Dictionary version	24.1
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### Reporting groups

Reporting group title	Part 1: Delandistrogene Moxeparvovec
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Reporting group description:

Participants received delandistrogene moxeparvovec during Part 1.

Reporting group title	Part 1: Placebo
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Reporting group description:

Participants received placebo during Part 1.

Reporting group title	Part 3: Placebo Switched Over to Delandistrogene Moxeparvovec
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Reporting group description:

Participants received matching placebo during Part 1 followed by delandistrogene moxeparvovec during Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Reporting group title	Part 2: Placebo Switched Over to Delandistrogene Moxeparvovec
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Reporting group description:

Participants who received placebo during Part 1 received delandistrogene moxeparvovec during Part 2.

Reporting group title	Part 3: Delandistrogene Moxeparvovec Switched Over to Placebo
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Reporting group description:

Participants received delandistrogene moxeparvovec during Part 1 followed by matching placebo during Part 2 followed by an open-label extension at Part 3. No intervention was administered during Part 3.

Reporting group title	Part 2: Delandistrogene Moxeparvovec Switched Over to Placebo
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Reporting group description:

Participants who received delandistrogene moxeparvovec during Part 1 received placebo during Part 2.

<b>Serious adverse events</b>	Part 1: Delandistrogene Moxeparvovec	Part 1: Placebo	Part 3: Placebo Switched Over to Delandistrogene Moxeparvovec
Total subjects affected by serious adverse events			
subjects affected / exposed	3 / 20 (15.00%)	2 / 21 (9.52%)	2 / 21 (9.52%)
number of deaths (all causes)	0	0	0
number of deaths resulting from adverse events			
Injury, poisoning and procedural complications			

Humerus fracture			
subjects affected / exposed	0 / 20 (0.00%)	1 / 21 (4.76%)	0 / 21 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 1	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Femur fracture			
subjects affected / exposed	0 / 20 (0.00%)	0 / 21 (0.00%)	1 / 21 (4.76%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Hepatobiliary disorders			
Hypertransaminasaemia			
subjects affected / exposed	1 / 20 (5.00%)	0 / 21 (0.00%)	0 / 21 (0.00%)
occurrences causally related to treatment / all	1 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Liver injury			
subjects affected / exposed	1 / 20 (5.00%)	0 / 21 (0.00%)	0 / 21 (0.00%)
occurrences causally related to treatment / all	1 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Musculoskeletal and connective tissue disorders			
Rhabdomyolysis			
subjects affected / exposed	2 / 20 (10.00%)	1 / 21 (4.76%)	1 / 21 (4.76%)
occurrences causally related to treatment / all	2 / 2	1 / 1	0 / 1
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Infections and infestations			
Appendicitis			
subjects affected / exposed	0 / 20 (0.00%)	0 / 21 (0.00%)	0 / 21 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
<b>Serious adverse events</b>	Part 2: Placebo Switched Over to Delandistrogene Moxeparovvec	Part 3: Delandistrogene Moxeparovvec Switched Over to Placebo	Part 2: Delandistrogene Moxeparovvec Switched Over to Placebo
Total subjects affected by serious adverse events			
subjects affected / exposed	1 / 21 (4.76%)	0 / 20 (0.00%)	2 / 20 (10.00%)
number of deaths (all causes)	0	0	0
number of deaths resulting from adverse events			

Injury, poisoning and procedural complications			
Humerus fracture			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Femur fracture			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	2 / 20 (10.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 2
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Hepatobiliary disorders			
Hypertransaminasaemia			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Liver injury			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Musculoskeletal and connective tissue disorders			
Rhabdomyolysis			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences causally related to treatment / all	0 / 0	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0
Infections and infestations			
Appendicitis			
subjects affected / exposed	1 / 21 (4.76%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences causally related to treatment / all	0 / 1	0 / 0	0 / 0
deaths causally related to treatment / all	0 / 0	0 / 0	0 / 0

Frequency threshold for reporting non-serious adverse events: 5 %

<b>Non-serious adverse events</b>	Part 1: Delandistrogene Moxeparvovec	Part 1: Placebo	Part 3: Placebo Switched Over to Delandistrogene Moxeparvovec
Total subjects affected by non-serious adverse events subjects affected / exposed	20 / 20 (100.00%)	21 / 21 (100.00%)	19 / 21 (90.48%)
Neoplasms benign, malignant and unspecified (incl cysts and polyps) Skin papilloma subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
General disorders and administration site conditions Pyrexia subjects affected / exposed occurrences (all)  Vessel puncture site haemorrhage subjects affected / exposed occurrences (all)  Infusion site extravasation subjects affected / exposed occurrences (all)  Catheter site haemorrhage subjects affected / exposed occurrences (all)  Fatigue subjects affected / exposed occurrences (all)	4 / 20 (20.00%) 5  2 / 20 (10.00%) 2  0 / 20 (0.00%) 0  0 / 20 (0.00%) 0  1 / 20 (5.00%) 1	1 / 21 (4.76%) 1  1 / 21 (4.76%) 1  2 / 21 (9.52%) 2  1 / 21 (4.76%) 1  0 / 21 (0.00%) 0	3 / 21 (14.29%) 3  0 / 21 (0.00%) 0  0 / 21 (0.00%) 0  2 / 21 (9.52%) 2
Respiratory, thoracic and mediastinal disorders Nasal congestion subjects affected / exposed occurrences (all)  Rhinorrhoea subjects affected / exposed occurrences (all)  Cough subjects affected / exposed occurrences (all)  Epistaxis	3 / 20 (15.00%) 3  4 / 20 (20.00%) 5  9 / 20 (45.00%) 10	2 / 21 (9.52%) 2  3 / 21 (14.29%) 3  6 / 21 (28.57%) 8	2 / 21 (9.52%) 2  0 / 21 (0.00%) 0  4 / 21 (19.05%) 4

subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	3 / 21 (14.29%) 6	1 / 21 (4.76%) 1
Psychiatric disorders			
Irritability			
subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	1 / 21 (4.76%) 1	2 / 21 (9.52%) 2
Sleep disorder			
subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	1 / 21 (4.76%) 1	1 / 21 (4.76%) 1
Anxiety			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	1 / 21 (4.76%) 1	1 / 21 (4.76%) 1
Affect lability			
subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	1 / 21 (4.76%) 1	1 / 21 (4.76%) 1
Investigations			
Gamma-glutamyltransferase increased			
subjects affected / exposed occurrences (all)	5 / 20 (25.00%) 5	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Blood bilirubin increased			
subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Weight increased			
subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Glutamate dehydrogenase increased			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
White blood cell count decreased			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Injury, poisoning and procedural complications			
Procedural pain			
subjects affected / exposed occurrences (all)	5 / 20 (25.00%) 5	7 / 21 (33.33%) 7	2 / 21 (9.52%) 2
Limb injury			

subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	1 / 21 (4.76%) 1	1 / 21 (4.76%) 1
Arthropod bite subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	3 / 21 (14.29%) 3	0 / 21 (0.00%) 0
Post procedural contusion subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	2 / 21 (9.52%) 2	0 / 21 (0.00%) 0
Incision site haemorrhage subjects affected / exposed occurrences (all)	6 / 20 (30.00%) 6	4 / 21 (19.05%) 5	0 / 21 (0.00%) 0
Skin abrasion subjects affected / exposed occurrences (all)	4 / 20 (20.00%) 4	2 / 21 (9.52%) 3	0 / 21 (0.00%) 0
Lip injury subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Craniocerebral injury subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Sunburn subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	2 / 21 (9.52%) 2
Cardiac disorders Cardiomyopathy subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	2 / 21 (9.52%) 2
Nervous system disorders Headache subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	6 / 21 (28.57%) 13	3 / 21 (14.29%) 7
Lethargy subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Blood and lymphatic system disorders			

Thrombocytopenia subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Anaemia subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	1 / 21 (4.76%) 1	2 / 21 (9.52%) 2
Ear and labyrinth disorders Ear pain subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	3 / 21 (14.29%) 4	0 / 21 (0.00%) 0
Eye disorders Cataract subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Gastrointestinal disorders Nausea subjects affected / exposed occurrences (all)	7 / 20 (35.00%) 9	2 / 21 (9.52%) 3	0 / 21 (0.00%) 0
Vomiting subjects affected / exposed occurrences (all)	13 / 20 (65.00%) 26	7 / 21 (33.33%) 13	3 / 21 (14.29%) 3
Abdominal pain subjects affected / exposed occurrences (all)	5 / 20 (25.00%) 6	2 / 21 (9.52%) 5	1 / 21 (4.76%) 1
Abdominal pain upper subjects affected / exposed occurrences (all)	6 / 20 (30.00%) 6	4 / 21 (19.05%) 4	0 / 21 (0.00%) 0
Constipation subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Diarrhoea subjects affected / exposed occurrences (all)	3 / 20 (15.00%) 3	2 / 21 (9.52%) 2	2 / 21 (9.52%) 2
Gastrooesophageal reflux disease subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	0 / 21 (0.00%) 0	1 / 21 (4.76%) 1
Toothache			

subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	1 / 21 (4.76%) 1
<b>Skin and subcutaneous tissue disorders</b>			
<b>Dermatitis</b>			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	2 / 21 (9.52%) 2	0 / 21 (0.00%) 0
<b>Ecchymosis</b>			
subjects affected / exposed occurrences (all)	7 / 20 (35.00%) 10	4 / 21 (19.05%) 4	0 / 21 (0.00%) 0
<b>Urticaria</b>			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	3 / 21 (14.29%) 3	1 / 21 (4.76%) 1
<b>Rash</b>			
subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	3 / 21 (14.29%) 3	0 / 21 (0.00%) 0
<b>Dermatitis contact</b>			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	3 / 21 (14.29%) 3	0 / 21 (0.00%) 0
<b>Renal and urinary disorders</b>			
<b>Pollakiuria</b>			
subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
<b>Dysuria</b>			
subjects affected / exposed occurrences (all)	2 / 20 (10.00%) 2	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
<b>Ketonuria</b>			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
<b>Proteinuria</b>			
subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	1 / 21 (4.76%) 1	0 / 21 (0.00%) 0
<b>Endocrine disorders</b>			
<b>Cushingoid</b>			
subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	2 / 21 (9.52%) 2
<b>Musculoskeletal and connective tissue disorders</b>			

Arthralgia			
subjects affected / exposed	5 / 20 (25.00%)	1 / 21 (4.76%)	3 / 21 (14.29%)
occurrences (all)	6	1	3
Pain in extremity			
subjects affected / exposed	5 / 20 (25.00%)	5 / 21 (23.81%)	4 / 21 (19.05%)
occurrences (all)	6	7	4
Back pain			
subjects affected / exposed	1 / 20 (5.00%)	1 / 21 (4.76%)	3 / 21 (14.29%)
occurrences (all)	1	1	4
Myalgia			
subjects affected / exposed	1 / 20 (5.00%)	0 / 21 (0.00%)	0 / 21 (0.00%)
occurrences (all)	1	0	0
Infections and infestations			
Upper respiratory tract infection			
subjects affected / exposed	13 / 20 (65.00%)	13 / 21 (61.90%)	9 / 21 (42.86%)
occurrences (all)	27	29	18
Viral infection			
subjects affected / exposed	8 / 20 (40.00%)	9 / 21 (42.86%)	3 / 21 (14.29%)
occurrences (all)	10	11	3
Gastroenteritis			
subjects affected / exposed	3 / 20 (15.00%)	2 / 21 (9.52%)	0 / 21 (0.00%)
occurrences (all)	3	2	0
Sinusitis			
subjects affected / exposed	2 / 20 (10.00%)	2 / 21 (9.52%)	0 / 21 (0.00%)
occurrences (all)	2	2	0
Otitis media			
subjects affected / exposed	1 / 20 (5.00%)	3 / 21 (14.29%)	0 / 21 (0.00%)
occurrences (all)	1	3	0
Nasopharyngitis			
subjects affected / exposed	0 / 20 (0.00%)	2 / 21 (9.52%)	0 / 21 (0.00%)
occurrences (all)	0	2	0
Rhinovirus infection			
subjects affected / exposed	2 / 20 (10.00%)	0 / 21 (0.00%)	0 / 21 (0.00%)
occurrences (all)	2	0	0
Pharyngitis streptococcal			

subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	1 / 21 (4.76%) 1	2 / 21 (9.52%) 2
Influenza subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 1	0 / 21 (0.00%) 0	3 / 21 (14.29%) 3
COVID-19 subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	9 / 21 (42.86%) 11
Gastroenteritis viral subjects affected / exposed occurrences (all)	1 / 20 (5.00%) 3	1 / 21 (4.76%) 1	4 / 21 (19.05%) 5
Metabolism and nutrition disorders Decreased appetite subjects affected / exposed occurrences (all)	8 / 20 (40.00%) 10	0 / 21 (0.00%) 0	0 / 21 (0.00%) 0
Increased appetite subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	2 / 21 (9.52%) 2	0 / 21 (0.00%) 0
Dehydration subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	0 / 21 (0.00%) 0	2 / 21 (9.52%) 2
Vitamin D deficiency subjects affected / exposed occurrences (all)	0 / 20 (0.00%) 0	1 / 21 (4.76%) 1	2 / 21 (9.52%) 2

<b>Non-serious adverse events</b>	Part 2: Placebo Switched Over to Delandistrogene Moxeparovec	Part 3: Delandistrogene Moxeparovec Switched Over to Placebo	Part 2: Delandistrogene Moxeparovec Switched Over to Placebo
Total subjects affected by non-serious adverse events subjects affected / exposed	21 / 21 (100.00%)	18 / 20 (90.00%)	20 / 20 (100.00%)
Neoplasms benign, malignant and unspecified (incl cysts and polyps) Skin papilloma subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
General disorders and administration site conditions			

Pyrexia			
subjects affected / exposed	6 / 21 (28.57%)	1 / 20 (5.00%)	2 / 20 (10.00%)
occurrences (all)	6	1	2
Vessel puncture site haemorrhage			
subjects affected / exposed	2 / 21 (9.52%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences (all)	2	0	0
Infusion site extravasation			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences (all)	0	0	0
Catheter site haemorrhage			
subjects affected / exposed	2 / 21 (9.52%)	0 / 20 (0.00%)	1 / 20 (5.00%)
occurrences (all)	2	0	1
Fatigue			
subjects affected / exposed	3 / 21 (14.29%)	0 / 20 (0.00%)	3 / 20 (15.00%)
occurrences (all)	3	0	3
Respiratory, thoracic and mediastinal disorders			
Nasal congestion			
subjects affected / exposed	0 / 21 (0.00%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences (all)	0	0	0
Rhinorrhoea			
subjects affected / exposed	2 / 21 (9.52%)	3 / 20 (15.00%)	4 / 20 (20.00%)
occurrences (all)	2	5	4
Cough			
subjects affected / exposed	1 / 21 (4.76%)	2 / 20 (10.00%)	3 / 20 (15.00%)
occurrences (all)	1	2	3
Epistaxis			
subjects affected / exposed	2 / 21 (9.52%)	1 / 20 (5.00%)	0 / 20 (0.00%)
occurrences (all)	6	1	0
Psychiatric disorders			
Irritability			
subjects affected / exposed	9 / 21 (42.86%)	1 / 20 (5.00%)	5 / 20 (25.00%)
occurrences (all)	9	1	5
Sleep disorder			
subjects affected / exposed	1 / 21 (4.76%)	0 / 20 (0.00%)	2 / 20 (10.00%)
occurrences (all)	1	0	2
Anxiety			

subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Affect liability subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
<b>Investigations</b>			
Gamma-glutamyltransferase increased subjects affected / exposed occurrences (all)	6 / 21 (28.57%) 6	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Blood bilirubin increased subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Weight increased subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Glutamate dehydrogenase increased subjects affected / exposed occurrences (all)	3 / 21 (14.29%) 3	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
White blood cell count decreased subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 5	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
<b>Injury, poisoning and procedural complications</b>			
Procedural pain subjects affected / exposed occurrences (all)	9 / 21 (42.86%) 9	0 / 20 (0.00%) 0	6 / 20 (30.00%) 6
Limb injury subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Arthropod bite subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Post procedural contusion subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Incision site haemorrhage			

subjects affected / exposed occurrences (all)	5 / 21 (23.81%) 5	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Skin abrasion subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Lip injury subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Craniocerebral injury subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Sunburn subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Cardiac disorders Cardiomyopathy subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	2 / 20 (10.00%) 2	2 / 20 (10.00%) 2
Nervous system disorders Headache subjects affected / exposed occurrences (all)	3 / 21 (14.29%) 5	1 / 20 (5.00%) 1	3 / 20 (15.00%) 7
Lethargy subjects affected / exposed occurrences (all)	3 / 21 (14.29%) 3	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Blood and lymphatic system disorders Thrombocytopenia subjects affected / exposed occurrences (all)	5 / 21 (23.81%) 5	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Anaemia subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Ear and labyrinth disorders Ear pain subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Eye disorders			

Cataract subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	2 / 20 (10.00%) 2	0 / 20 (0.00%) 0
Gastrointestinal disorders			
Nausea subjects affected / exposed occurrences (all)	11 / 21 (52.38%) 14	0 / 20 (0.00%) 0	2 / 20 (10.00%) 3
Vomiting subjects affected / exposed occurrences (all)	16 / 21 (76.19%) 33	1 / 20 (5.00%) 1	0 / 20 (0.00%) 0
Abdominal pain subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 2	1 / 20 (5.00%) 1	1 / 20 (5.00%) 1
Abdominal pain upper subjects affected / exposed occurrences (all)	8 / 21 (38.10%) 10	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Constipation subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	2 / 20 (10.00%) 2	0 / 20 (0.00%) 0
Diarrhoea subjects affected / exposed occurrences (all)	3 / 21 (14.29%) 3	2 / 20 (10.00%) 2	2 / 20 (10.00%) 2
Gastrooesophageal reflux disease subjects affected / exposed occurrences (all)	4 / 21 (19.05%) 5	2 / 20 (10.00%) 2	2 / 20 (10.00%) 2
Toothache subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Skin and subcutaneous tissue disorders			
Dermatitis subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Ecchymosis subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 2	0 / 20 (0.00%) 0	4 / 20 (20.00%) 4
Urticaria			

subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 3	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Rash subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Dermatitis contact subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Renal and urinary disorders			
Pollakiuria subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	1 / 20 (5.00%) 1	0 / 20 (0.00%) 0
Dysuria subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Ketonuria subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 3	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Proteinuria subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Endocrine disorders			
Cushingoid subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	1 / 20 (5.00%) 1	2 / 20 (10.00%) 2
Musculoskeletal and connective tissue disorders			
Arthralgia subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	0 / 20 (0.00%) 0	2 / 20 (10.00%) 2
Pain in extremity subjects affected / exposed occurrences (all)	6 / 21 (28.57%) 7	3 / 20 (15.00%) 3	7 / 20 (35.00%) 8
Back pain subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	2 / 20 (10.00%) 2	1 / 20 (5.00%) 1
Myalgia			

subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	1 / 20 (5.00%) 1	0 / 20 (0.00%) 0
<b>Infections and infestations</b>			
Upper respiratory tract infection subjects affected / exposed occurrences (all)	7 / 21 (33.33%) 9	9 / 20 (45.00%) 18	8 / 20 (40.00%) 9
Viral infection subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	2 / 20 (10.00%) 2	3 / 20 (15.00%) 4
Gastroenteritis subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Sinusitis subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	1 / 20 (5.00%) 1	0 / 20 (0.00%) 0
Otitis media subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	1 / 20 (5.00%) 1	1 / 20 (5.00%) 1
Nasopharyngitis subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Rhinovirus infection subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	1 / 20 (5.00%) 1
Pharyngitis streptococcal subjects affected / exposed occurrences (all)	0 / 21 (0.00%) 0	0 / 20 (0.00%) 0	0 / 20 (0.00%) 0
Influenza subjects affected / exposed occurrences (all)	1 / 21 (4.76%) 1	2 / 20 (10.00%) 3	0 / 20 (0.00%) 0
COVID-19 subjects affected / exposed occurrences (all)	2 / 21 (9.52%) 2	9 / 20 (45.00%) 9	0 / 20 (0.00%) 0
Gastroenteritis viral subjects affected / exposed occurrences (all)	3 / 21 (14.29%) 3	3 / 20 (15.00%) 4	2 / 20 (10.00%) 3

Metabolism and nutrition disorders			
Decreased appetite			
subjects affected / exposed	15 / 21 (71.43%)	0 / 20 (0.00%)	1 / 20 (5.00%)
occurrences (all)	18	0	1
Increased appetite			
subjects affected / exposed	4 / 21 (19.05%)	0 / 20 (0.00%)	3 / 20 (15.00%)
occurrences (all)	4	0	3
Dehydration			
subjects affected / exposed	1 / 21 (4.76%)	0 / 20 (0.00%)	0 / 20 (0.00%)
occurrences (all)	1	0	0
Vitamin D deficiency			
subjects affected / exposed	0 / 21 (0.00%)	1 / 20 (5.00%)	1 / 20 (5.00%)
occurrences (all)	0	1	1

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

Date	Amendment
04 June 2019	- Increased the sample size from 24 participants to 44 participants in order to increase the power of the study regarding the NSAA end point. Note: This amendment (Amendment 3) was internally finalized on 04 June 2019 and was sent to sites; however, this amendment was not implemented or submitted to any regulatory agency. Before submitting to the Food and Drug Administration, the Sponsor decided that additional changes were needed, and since the site had already received a version labeled Amendment 3, to avoid confusion the updated version was labeled Amendment 4 when submitted and included additional changes.
02 July 2019	- Removed the requirement to use an enzyme-linked immunospot assay as a means of guiding the post-infusion steroid taper - Updated the sample size determination text - Added a Week 10 visit to both parts of the study
25 September 2019	- Elevated the assessment of ambulatory function as measured by NSAA (total score) to a co-primary end point - Updated language around steroid dose tapering - Added language regarding adverse events of special interest - Clarified the dose concentration to align with the Investigator's Brochure and added explanation of the update to the quantitative polymerase chain reaction method for titering (Sponsor's method using a linear standard)
27 August 2020	- Extended the long-term safety follow-up to 5 years and split the study into 3 parts (two 48-week double-blind periods and one open-label follow-up period) - Defined evaluation of delandistrogene moxeparvovec dystrophin expression from delandistrogene moxeparvovec at 12 weeks post-dosing and effect of delandistrogene moxeparvovec on physical functional assessments as assessed by the NSAA as primary end points (instead of co-primary) - Added a long-term safety and efficacy objective with corresponding end points for Part 3 (open-label extension) of the study
12 April 2023	- Provided participants in Part 3 of the study with the option of continuing their follow-up in a long-term extension study. The long-term extension study was designed to provide a uniform approach to monitoring long-term safety and efficacy in participants who received an infusion of delandistrogene moxeparvovec in a clinical trial. Participants must have completed the Week 130 visit at a minimum before rolling over into the long-term extension study. After completion of the Week 130 visit, if participants decided not to continue their follow-up in the long-term extension study, participants completed an end of study visit.

Notes:

### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

Limitations of the trial such as small numbers of subjects analysed or technical problems leading to unreliable data.

Caution should be taken in interpreting the treatment effect on the 6-7 years-old age group due to differences in baseline prognostic functional characteristics for certain assessments in treated versus placebo in Part 1.

