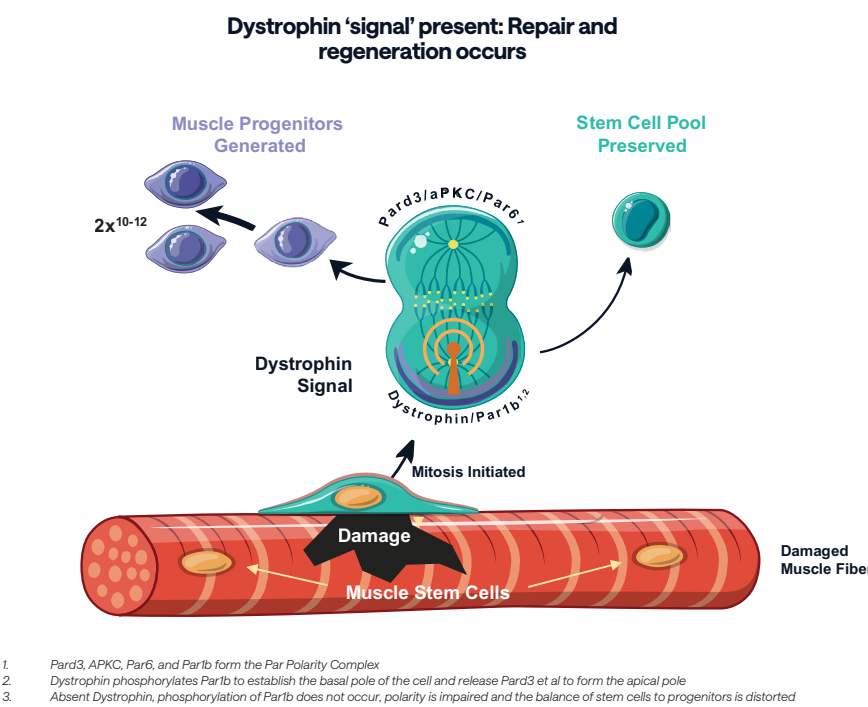


BACKGROUND

How SAT-3247 Works: Supporting the Body's Muscle Repair and Regeneration Process

THE PROBLEM In Duchenne muscular dystrophy, muscles are damaged faster than the body can repair them. Over time, this imbalance leads to a steady decline in muscle strength and function.

HEALTHY MUSCLE REPAIR In healthy muscle, stem cells respond to damage by dividing in a balanced way — some become new muscle cells to repair tissue, while others stay as stem cells to support future repair. This balance is essential for ongoing muscle health and is illustrated below.

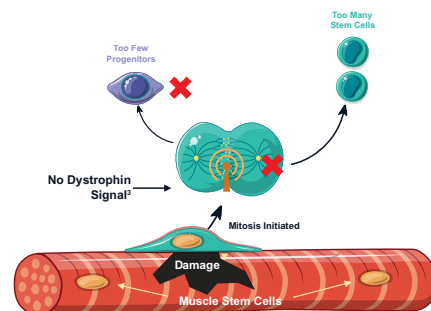


1. PartC, AAK1, PartC, and PartC form the PRC Polarity Complex.
2. Dystrophin phosphorylates PartC to establish the basal pole of the cell and release PartC et al. to form the apical pole.
3. Absent dystrophin phosphorylation of PartC disrupts polarity, leading to impaired and the balance of stem cells to transmitters is disrupted.

THE BREAKDOWN

Satello discovered that in Duchenne, this balance is upset as the process breaks down. Stem cells simply don't divide the way they should. As a result, the body can't keep up with the damage, and muscle regeneration slows down significantly.

Dystrophin 'signal' absent: Repair and regeneration impaired



THE INSIGHT

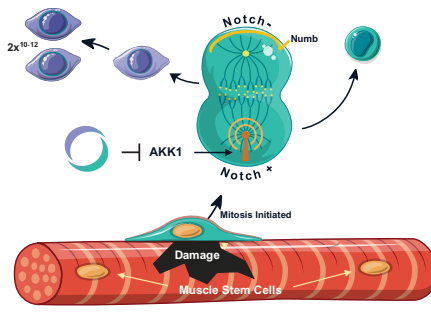
Research at Satello uncovered an important reason why this process breaks down: A critical signal that muscle stem cells rely upon is missing. In healthy muscle, this signal is normally provided by a protein called dystrophin. Without it, as occurs in Duchenne, stem cells lose their ability to divide properly.

THE APPROACH

Missing 'signal' replaced: repair and regeneration occurs

Satello identified an alternative way to provide this needed signal — independent of dystrophin. Doing so can help restore balance in how muscle stem cells divide. SAT-3247 is an oral investigational treatment designed to temporarily block a protein called AAK1. In this way, SAT-3247 helps support a more balanced stem cell response to muscle damage, enabling repair and regeneration.

Missing 'signal' replaced: repair and regeneration occurs



1. AAK1 signaling is a conserved pathway that regulates cell proliferation, cell fate, and differentiation.
2. Inhibiting AAK1 establishes a more gradient across the satellite cell, via future inhibition of the apical pole, restoring appropriate cell division.

THE GOAL

Our goal is to restore the body's natural ability to regenerate muscle — from within. In Duchenne, where muscle repair is disrupted, we aim to restart the cycle of muscle growth and renewal.

SAT-3247-CL-101

TRIAL OVERVIEW

Ph 1a: Healthy Volunteers (n=72)			Ph 1b: DMD Adults
Part A: SAD ^a Study	Part B: MAD ^a Study	Part C: Food Effect Study	Part D: 28-day, Open-Label Study
10 - 400 mg 5 cohorts of 8 - Single dose / 1 day	60 - 240 mg 4 cohorts of 8 - Single dose / 7 days	150 mg 1 cohort of 8 - Single dose / 1 day	60 mg daily dose, weekdays only for 4 weeks 5 patients enrolled and completed - Age range 20 - 27, all on steroids
SAT-3247 was safe and well tolerated across Ph 1a & 1b studies with a desirable PK profile			
Endpoints Primary (Ph 1a & 1b): Incidence and severity of TEAEs Secondary (Ph 1a & 1b): Pharmacokinetic exposure (PK) Exploratory (Ph 1b only): Grip/pinch strength, upper body effort, lung function (FVC), serum markers			

KEY DEMOGRAPHICS

Characteristic	Part A/C (n=40)	Part B (n=32)	Part D (n=5)
<i>Age at screening (years)</i>			
Mean	33.2	37.5	23.4
SD	12.7	15.1	2.7
Min, Max	20, 65	18, 64	20, 27
<i>Sex at birth n (%)</i>			
Female	23 (57.5)	7 (21.9)	0
Male	17 (42.5)	25 (78.1)	5 (100)
<i>Weight at screening (kg)</i>			
Mean	74.39	76.98	51.72
SD	15.23	13.89	12.19
Min, Max	47.6, 107.1	50.6, 105.3	36.3, 65.3
Concomitant steroid use n(%)	N/A	N/A	5 (100)

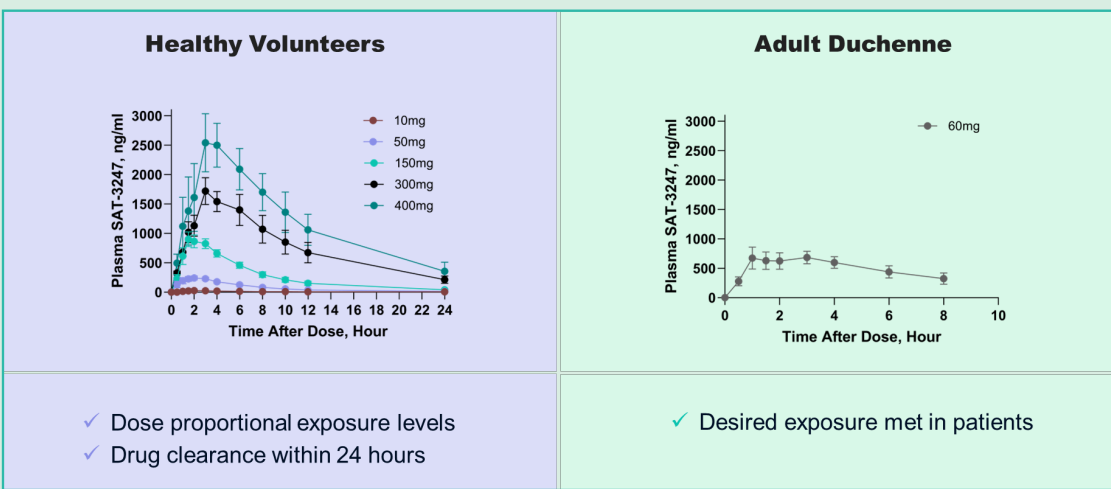
Part C demographics are not displayed, as participants in Part C were a subset of those who completed Part A

SAFETY SUMMARY

AE Category	Part A (n=30)	Part B (n=24)	Part C (n=12)	Part D (n=5)
Any TEAE	9	18	4	4
Any related TEAE	1 ^a	2 ^b	0	2 ^d
Any serious TEAE	0	0	0	2
Any related serious TEAE	0	0	0	0
Any TEAE leading to withdrawal	0	1 ^c	0	0
Any TEAE leading to death	0	0	0	0

^a Mild nausea/abdominal pain (resolved)
^b Mild somnolence (resolved), mild abdominal pain (resolved)
^c Covid-19 (unrelated, resolved)
^d Mild nausea (resolved), elevated ALT ((ref range (5, 40) – baseline(29), day 28(47) - resolved))

PHARMACOKINETIC PROFILING



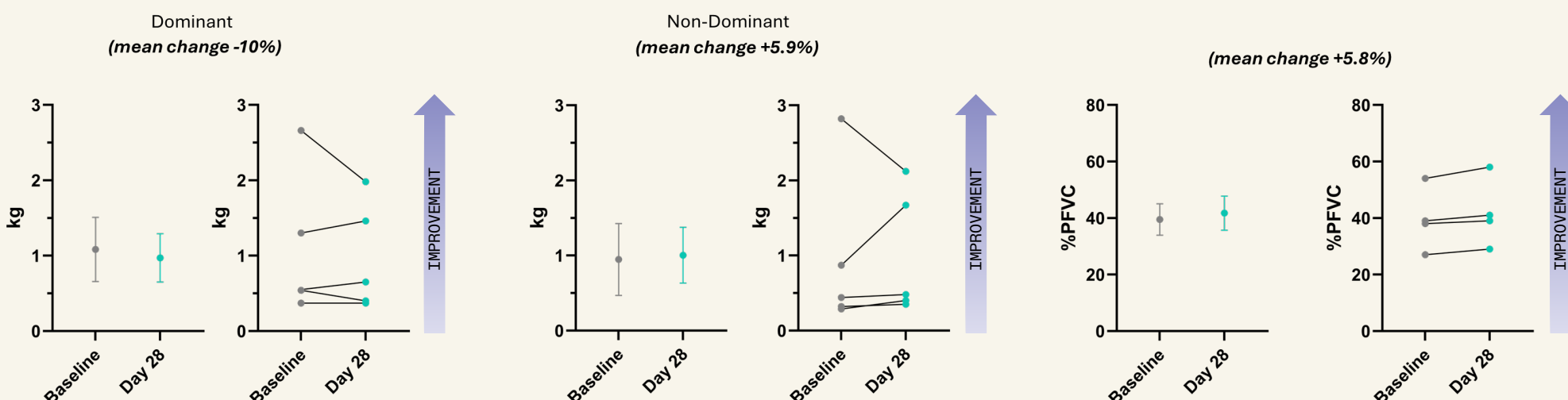
- ✓ Dose proportional exposure levels
- ✓ Drug clearance within 24 hours
- ✓ Desired exposure met in patients

SYDE DEVICE DATA AT DAY 28

Participant	Maximum Effort	Mean_norm_gyr_99	Vertical Amplitude	Movement Duration
112-001	-2.11	2.08	2.25	-6.93
112-003	13.98	3.51	-3.18	-3.55
112-008	-10.66	-1.94	-3.58	-5.65
112-009	17.34	1.19	0.49	6.31
112-010	-16.71	0.12	-6.01	-5.13

(% Change from baseline)

MAXIMUM PINCH STRENGTH

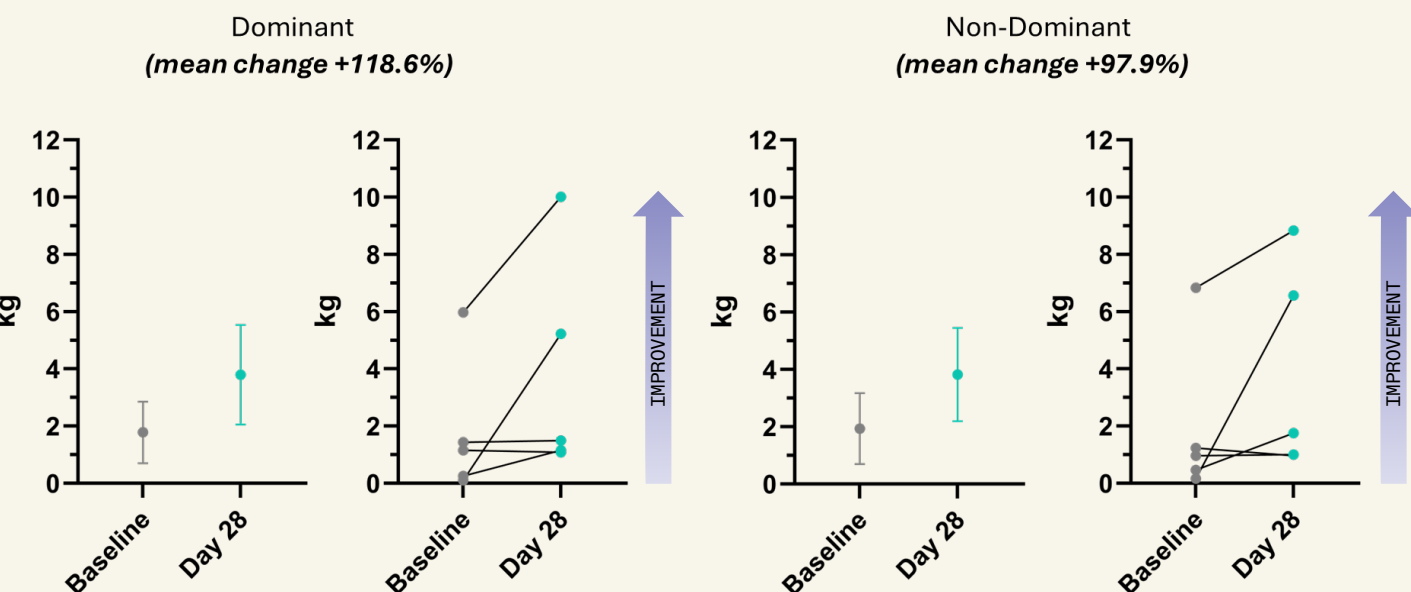


*N=4 participants, 1 participant unable to perform final measurement

No consistent trend of benefit across participants with Syde or Maximum Pinch Strength assessments

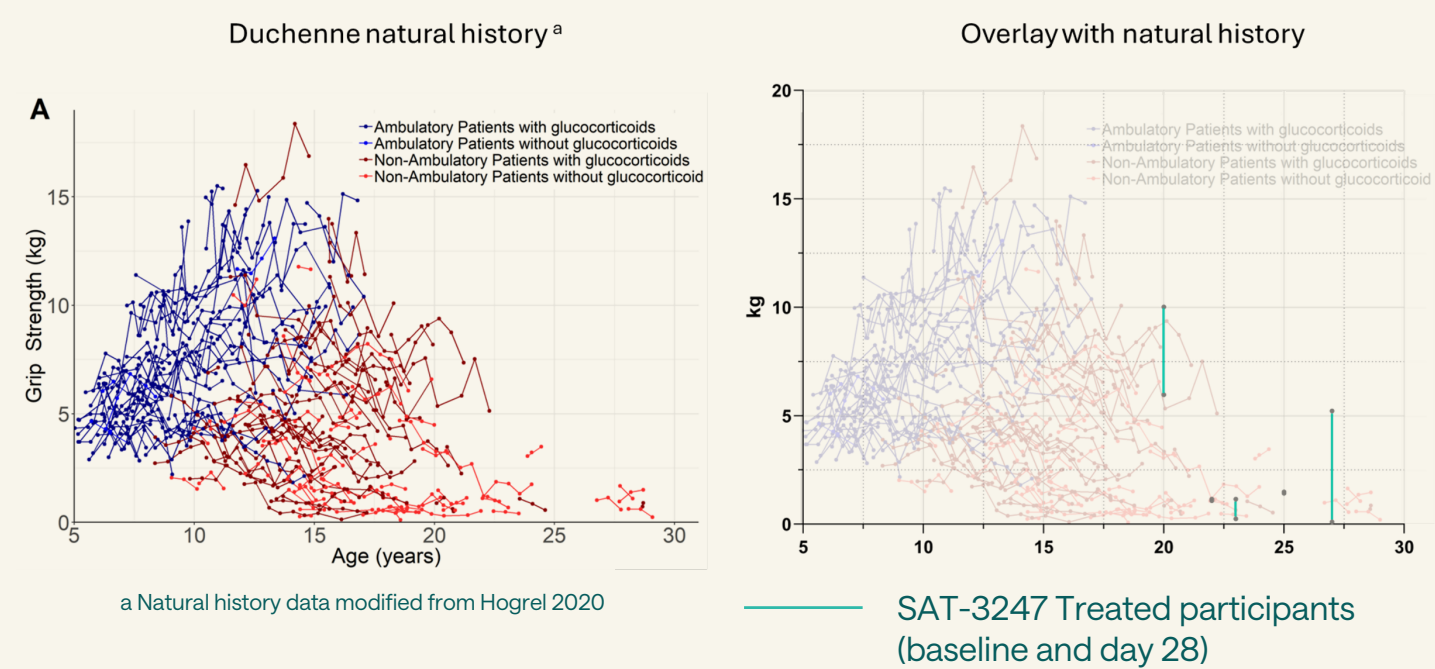
Approximately 5% benefit observed in % Predicted FVC; Consistent benefit observed across all 4 participants

MAXIMUM GRIP STRENGTH



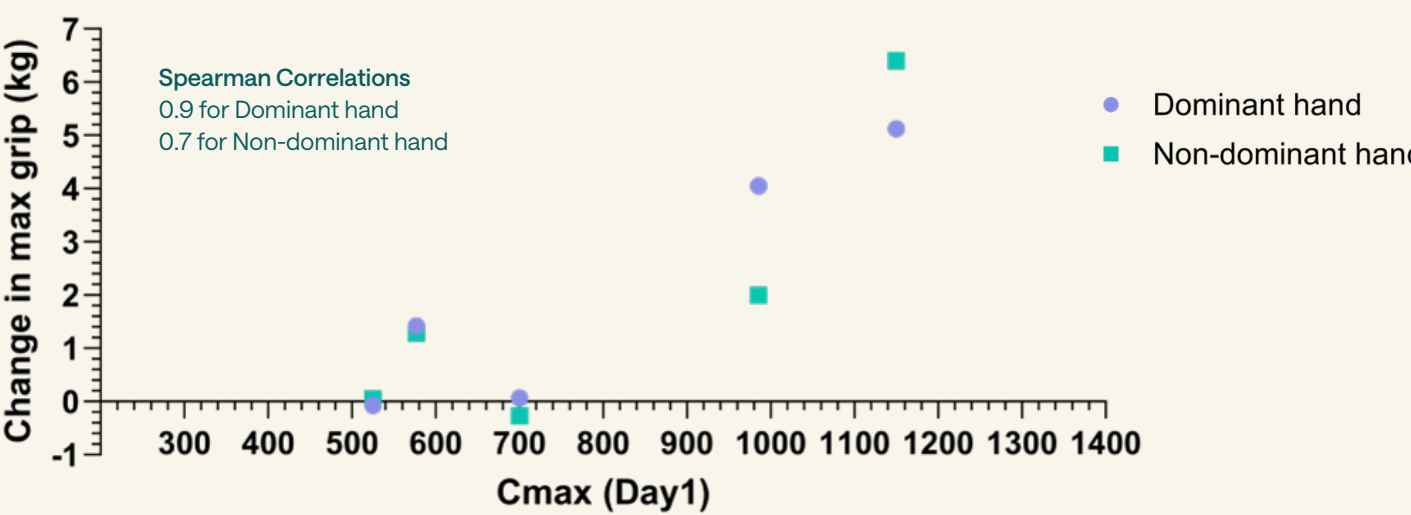
Near doubling in grip strength across 5 participants in dominant and non-dominant hand

MAXIMUM GRIP STRENGTH VS NATURAL HISTORY

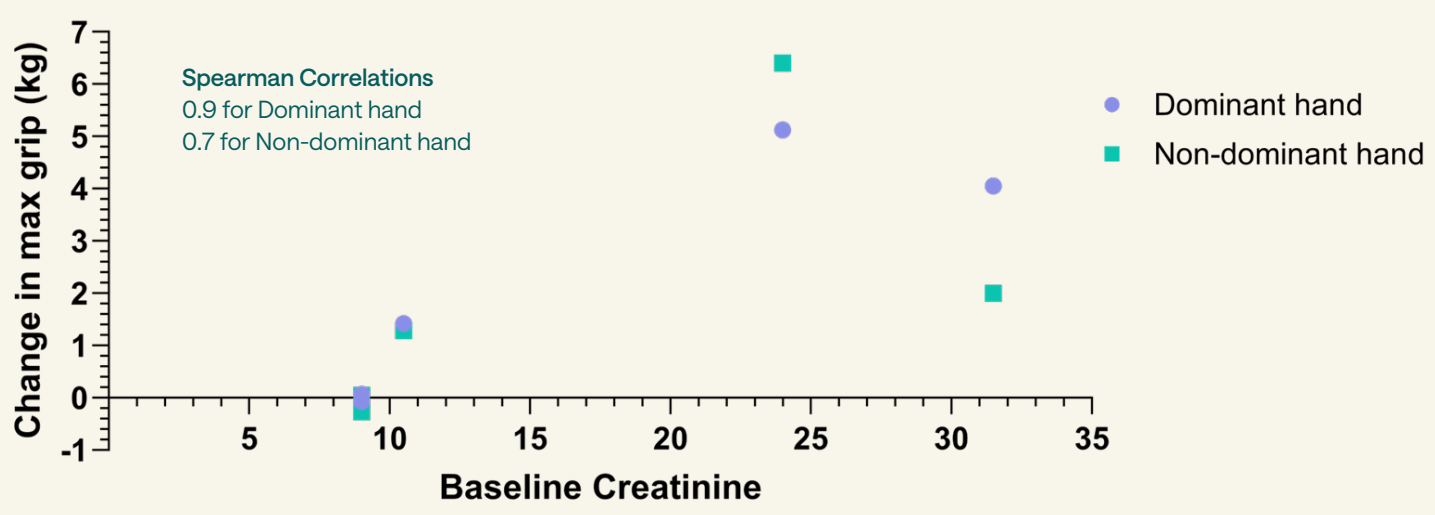


Improvement with SAT-3247 beyond what is reported for natural history

MAXIMUM GRIP STRENGTH VS CMAX



MAXIMUM GRIP STRENGTH VS BASELINE CREATININE



Greatest improvement in grip strength occurred in participants with highest Cmax on Day 1; Greatest improvement in grip strength occurred in participants with highest baseline creatinine (surrogate marker for muscle mass)

CONCLUSIONS AND NEXT STEPS

- SAT-3247 was safe and well tolerated across all parts of the study, with a consistent AE profile between healthy volunteers and adult participants with Duchenne
- SAT-3247 exposure levels were consistent between healthy volunteers and adult participants with Duchenne and were in line with predictions based upon preclinical data.
- Adult Duchenne participants who received SAT-3247 over a 28-day period demonstrated apparent increases in grip strength that warrant future follow-up
- Participants studied in SAT-3247-CL-101 are now eligible to enroll in an 11-month follow-up study to assess long-term safety, tolerability, and exploratory efficacy of SAT-3247
- See Poster 411P for more details on the long-term follow-up study SAT-3247 LT-001, and SAT-3247-CL-201, a global RCT that will assess SAT-3247 in pediatric ambulatory Duchenne patients