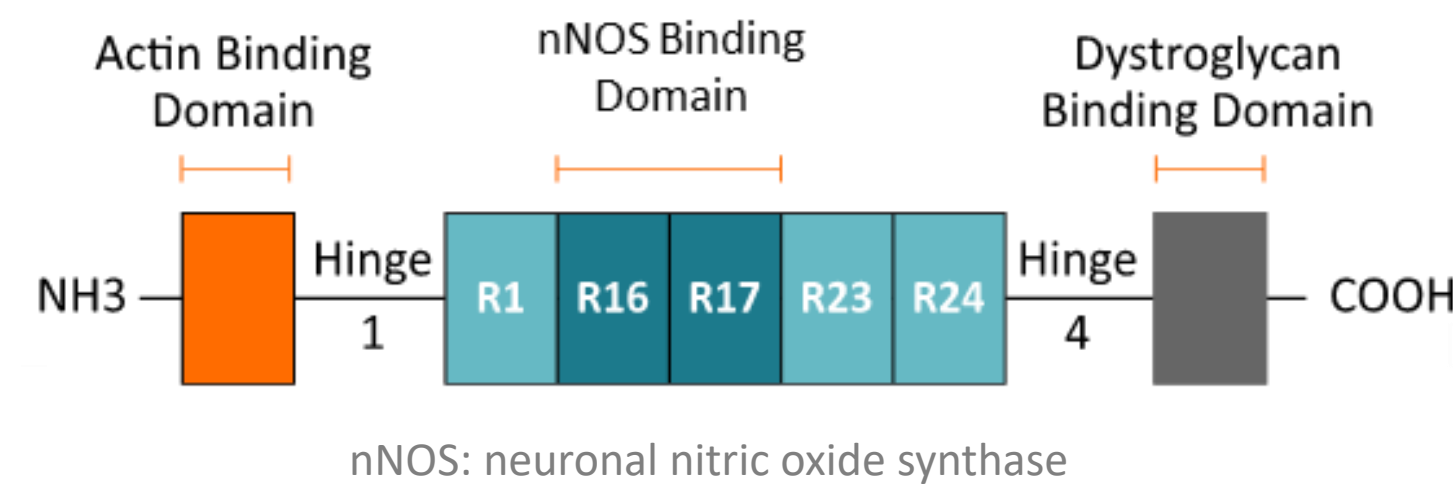
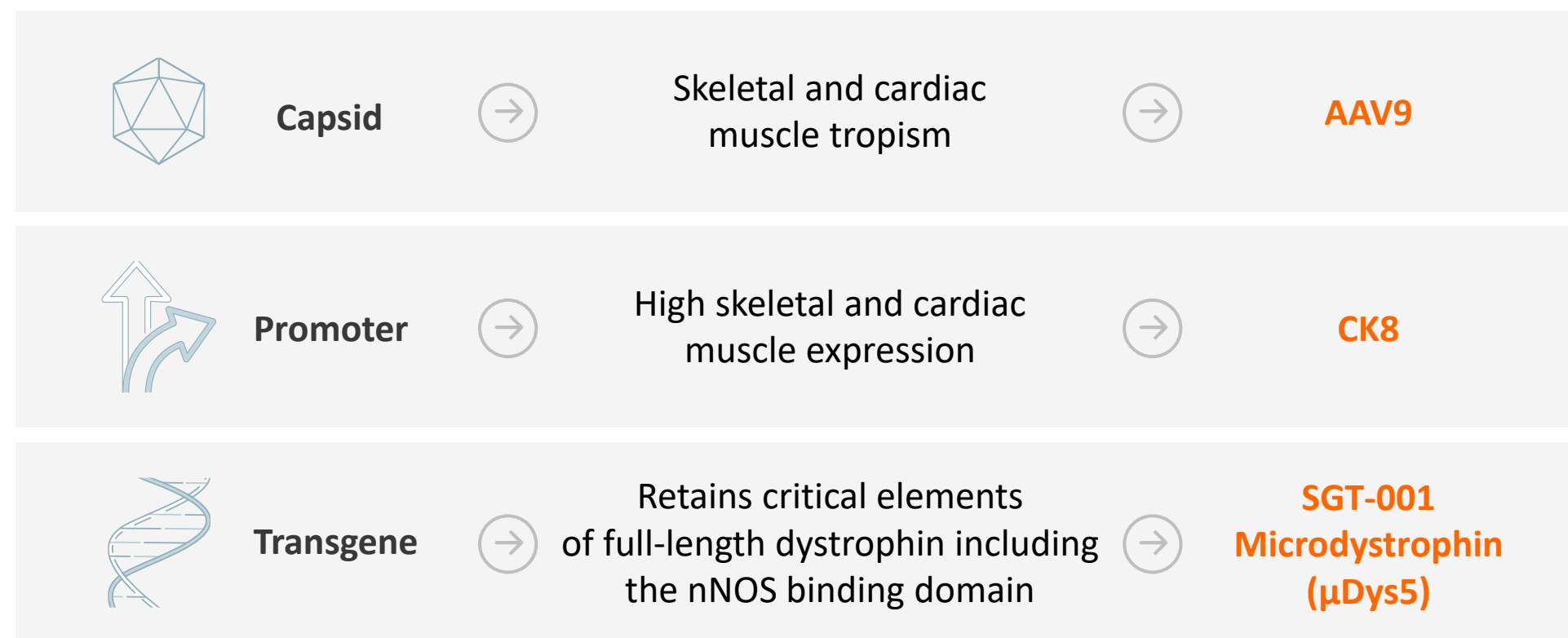


Introduction / Objective

Duchenne Muscular Dystrophy

- Duchenne muscular dystrophy (DMD) is a fatal neuromuscular disease caused by mutations in the *DMD* gene that lead to the absence of functional dystrophin protein

SGT-001



- SGT-001 is an AAV microdystrophin gene transfer therapy being evaluated for the treatment of DMD that delivers a unique, rationally designed dystrophin surrogate to replace the absent protein in skeletal and cardiac muscles throughout the body

Methods

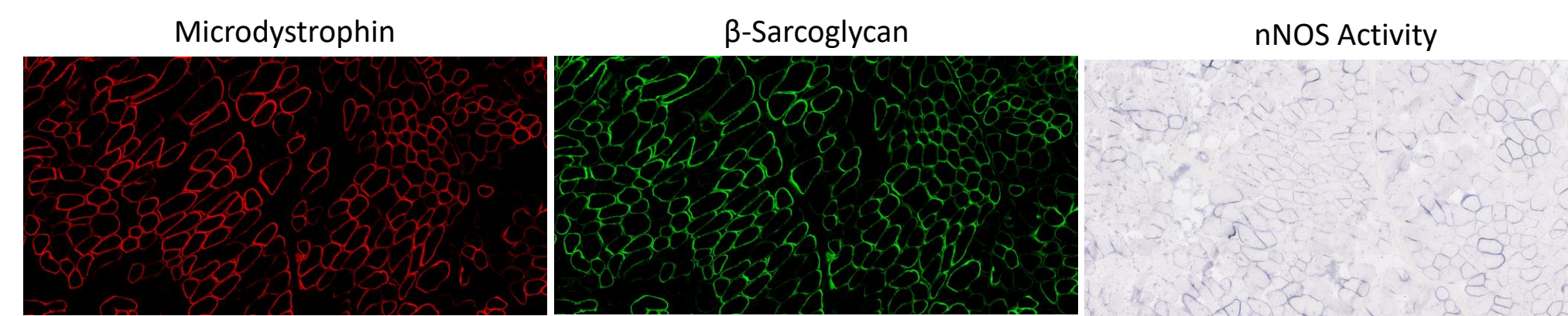
- SGT-001 is currently being evaluated in the IGNITE DMD Phase I/II clinical trial
- A single intravenous infusion of SGT-001 was administered to DMD patients in two ascending dose groups
- Following administration of 5E13 vg/kg to 3 subjects, all subsequent subjects received 2E14 vg/kg
- Three untreated DMD subjects served as controls
- Safety, microdystrophin expression, patient reported outcome measures, and motor and pulmonary function were assessed at baseline and the 1-year primary outcome timepoints
- Additional evaluations at the 1.5-year timepoint have been performed and long-term safety and efficacy continue to be evaluated

Results

- Microdystrophin expression in the first 3 subjects in the 2E14 group ranged from approximately 5-17.5% of normal dystrophin by Western blot and 10-70% of positive muscle fibers by immunofluorescence at day 90 and were sustained or increased in long-term biopsies
- Microdystrophin positive fibers importantly demonstrated restored sarcolemmal β -sarcoglycan and nNOS in all biopsies evaluated
- Motor function in both dose groups showed stability or improvement after 1 year
- FVC % predicted after 1 year declined by a mean of 10.7% in untreated subjects but increased by 3.3% and 15.7% in the 5E13 and 2E14 groups, respectively
- PEF % predicted and FEV1 % predicted tracked similarly

Durable Microdystrophin Expression and Protein Function are Observed Between Day 90 and Long-Term Biopsies

	% Positive Fibers (Immunofluorescence)		% of Normal Dystrophin (Western Blot)	
	3 Months	Last Timepoint	3 Months	Last Timepoint
Pt 4	10-20%	10-30% (24 months)	BLQ	BLQ (24 months)
Pt 5	50-70%	85% (18 months)	17.5%	69.8% (18 months)
Pt 6	50-70%	50-60% (12 months)	8.0%	20.3% (12 months)



Pt 5 (18 months post-treatment)

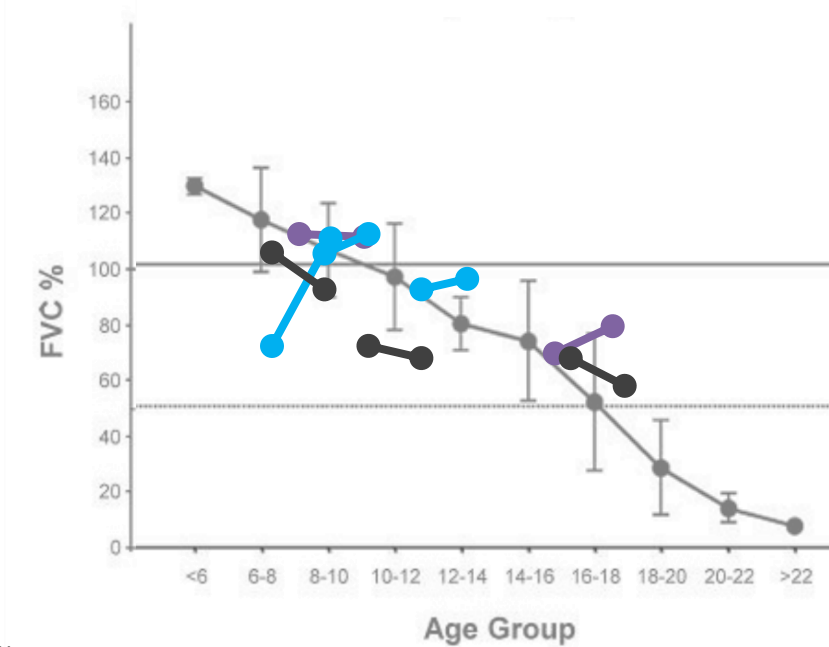
FVC % Predicted is Improved in SGT-001 Treated Subjects at 1 Year when Natural History Would Predict Declining Function

Cohort	Subject	FVC % Predicted Baseline to 1 Year Change
Control	Ct 1	-9.5%
	Ct 2	-7.6%
	Ct 3	-14.9%
Low Dose (5E13 vg/kg)	Pt 1	+8.9%
	Pt 2	n/a
	Pt 3	-2.4%
High Dose (2E14 vg/kg)	Pt 4	+3.1%
	Pt 5	+36.7%
	Pt 6	+7.3%

FVC: forced vital capacity

n/a values represent either baseline or endpoint assessments not available or identification of suboptimal maximal respiratory efforts during testing

Pulmonary Function in IGNITE DMD Subjects Overlaid on Mayer et al 2015 DMD Natural History



Results Continued

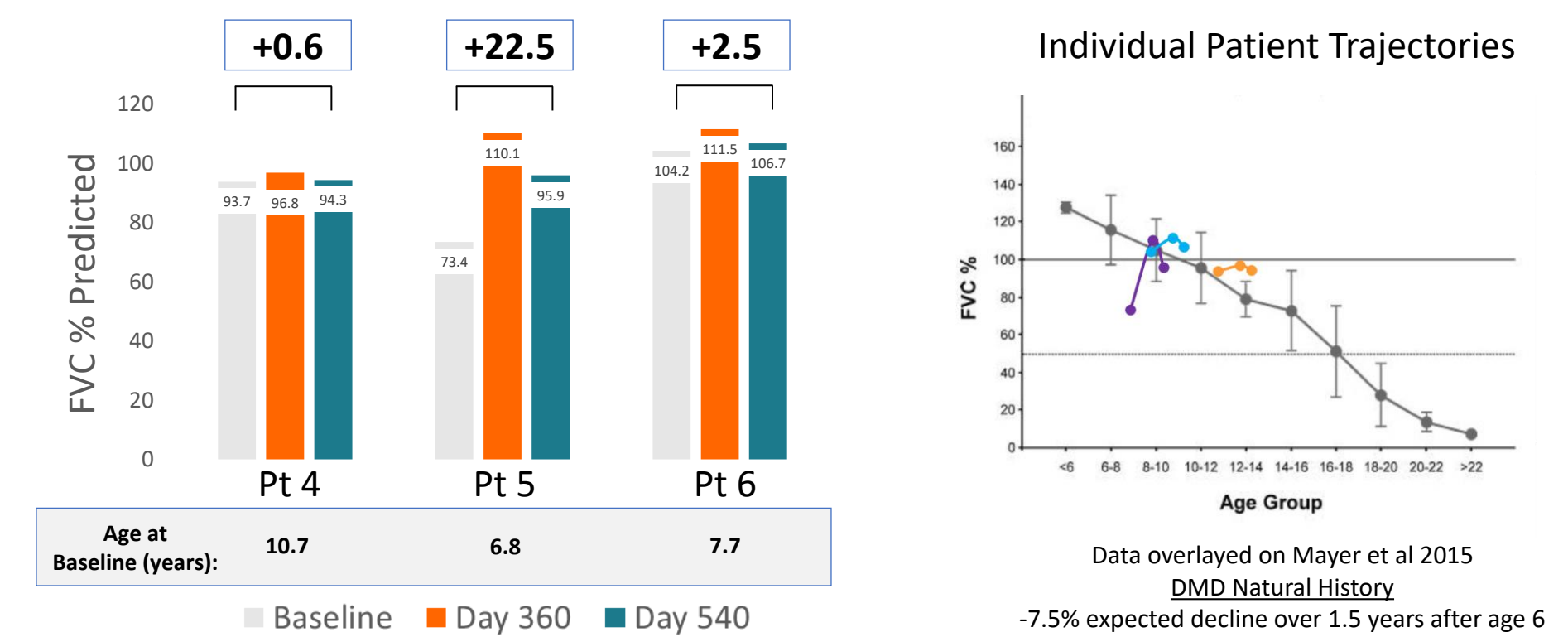
SGT-001 Treated Subjects Similarly Show Improvements in PEF % Predicted and FEV1 % Predicted 1 Year Post-Treatment

Cohort	Subject	PEF % Predicted Baseline to 1 Year Change	Cohort	Subject	FEV1 % Predicted Baseline to 1 Year Change
Control	Ct 1	-1.1%	Control	Ct 1	-8.7%
	Ct 2	n/a		Ct 2	-17.0%
	Ct 3	-18.2%		Ct 3	-12.0%
Low Dose (5E13 vg/kg)	Pt 1	+2.5%	Low Dose (5E13 vg/kg)	Pt 1	+13.4%
	Pt 2	n/a		Pt 2	n/a
	Pt 3	+38.5%		Pt 3	+4.3%
High Dose (2E14 vg/kg)	Pt 4	+15.9%	High Dose (2E14 vg/kg)	Pt 4	+10.8%
	Pt 5	n/a		Pt 5	+15.5%
	Pt 6	+26.7%		Pt 6	+2.8%

PEF: peak expiratory flow | FEV1: forced expiratory volume in one second
n/a values represent either baseline or endpoint assessments not available or identification of suboptimal maximal respiratory efforts during testing

Pulmonary Function Continues to Show Stability or Improvement 1.5 Years Post-Treatment

Mean Change from Baseline to Day 540: +8.5 ± 12.1% | Difference of +16.0% Compared to Natural History over 1.5 Years



Age at Baseline (years): Pt 4: 10.7, Pt 5: 6.8, Pt 6: 7.7

Legend: Baseline (grey), Day 360 (orange), Day 540 (teal)

*Data at 1.5 year timepoint not collected for 5E13 cohort subjects due to COVID-19; **One year and later timepoints not yet reached for additional subjects dosed

Conclusions

- Durable expression and function of microdystrophin protein are observed in biopsies collected at timepoints 12-24 months post-administration of SGT-001
- Encouraging evidence of motor function benefit is observed in 1-year post-treatment evaluations
- Pulmonary function is sustained or improved in 1 and 1.5-year post-treatment evaluations
- Interim data suggest the potential for SGT-001 to confer meaningful benefit for patients with DMD in multiple muscle groups