



2025 J.P. Morgan Healthcare Conference
NASDAQ: TRDA



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Entrada enters 2025 with significant momentum



Entrada expects to have four Phase 1/2 MAD patient studies in DMD and DM1 by the end of 2025*



Rapidly expanding DMD franchise

Actively planning the initiation of two global Phase 1/2 MAD studies in H1 2025 and one in H2 2025

Ex-US clinical strategy designed to efficiently advance franchise



Vertex accelerating DM1 program

Initiated MAD portion of VX-670 global Phase 1/2 to evaluate safety and efficacy

Partnership terms include milestone payments, plus royalties



Advancing preclinical pipeline

Generating preclinical data from programs outside of neuromuscular

Includes new moieties



Bolstered financial position**

Ended 2024 with ~\$420M cash balance

Cash runway extended into Q2 2027

OUR MISSION:

To Treat
Devastating
Diseases With
Intracellular
Therapeutics





75% of disease-causing targets are located inside cells¹

These targets are largely considered to be inaccessible and undruggable as only 2% of biological material will escape the endosome to reach an intracellular target²



Increasing cellular uptake and improving endosomal escape

We are leveraging our Endosomal Escape Vehicles (EEV™) and other technologies to optimize intracellular target engagement and therapeutic benefit



Potential for best-in-class therapeutics

Initial focus on DMD and DM1, where we are working to develop safe and effective therapies that meet the significant needs of patients

Unique chemistry

Improved uptake and endosomal escape

Cyclic structure

Extended half-life and increased stability

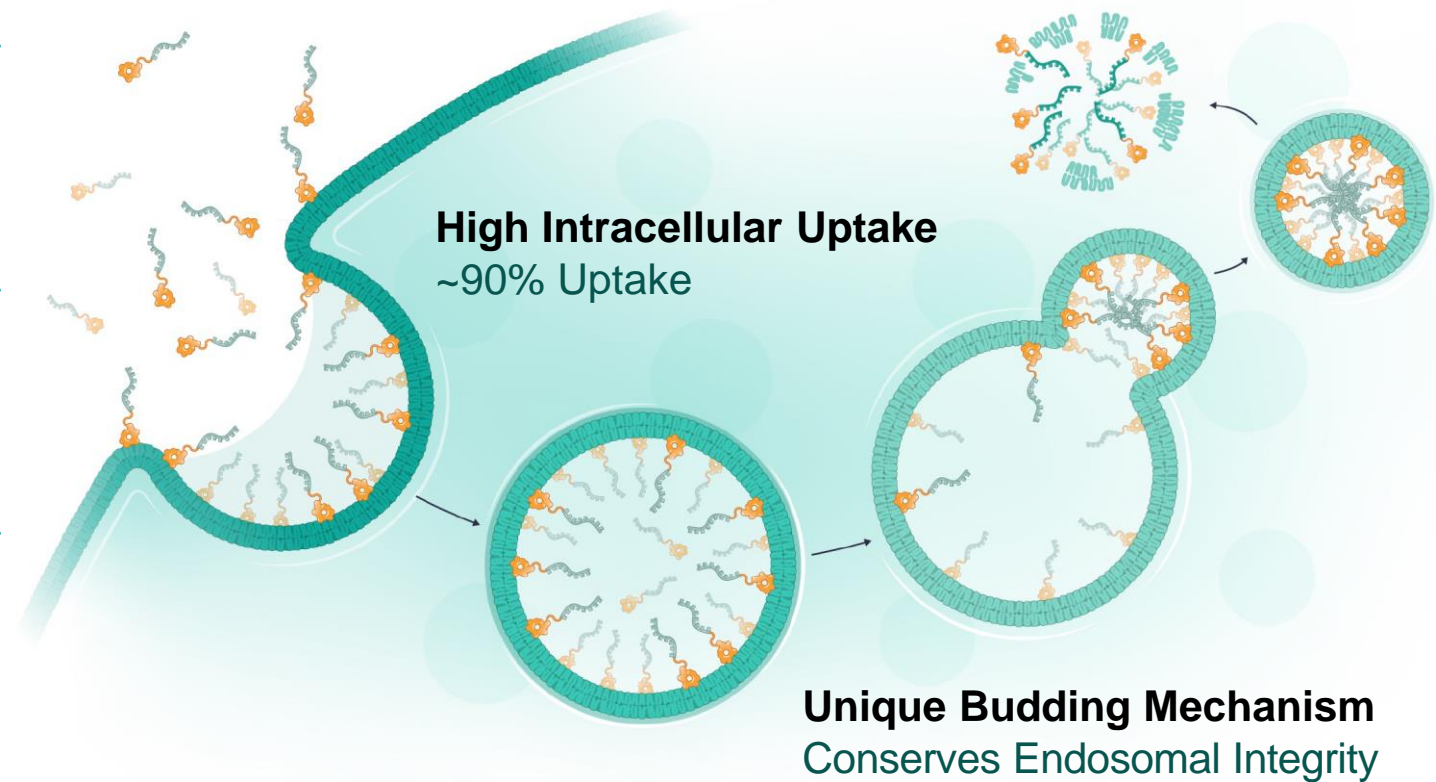
Phospholipid binding

Broad biodistribution to all cells

Consistent and predictable pharmacokinetics

Same EEV used across initial programs

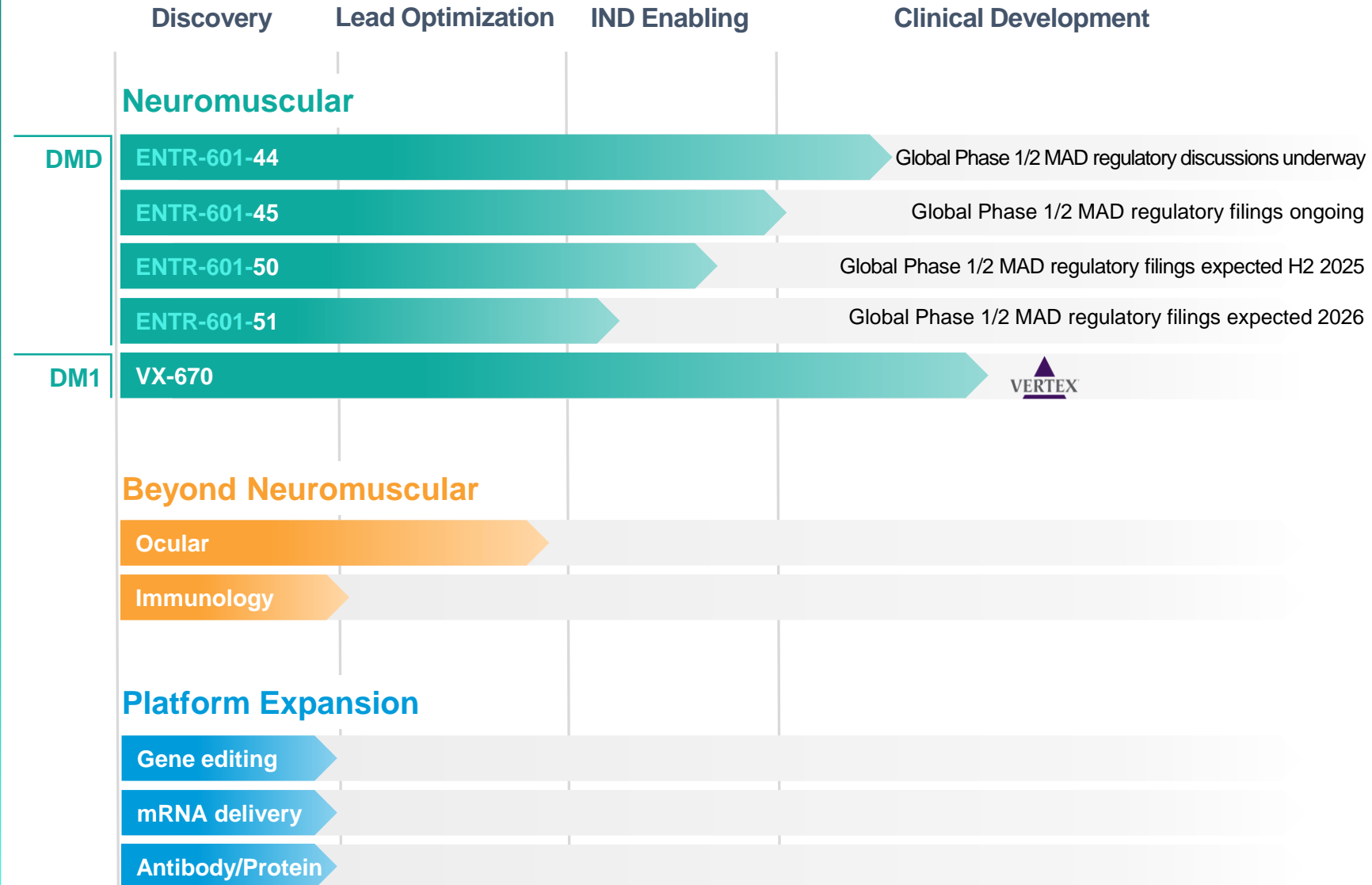
Efficient Endosomal Escape
~50% Escape vs. ~2% Standard



An Expanding Pipeline of Intracellular Therapeutics

Entrada's pipeline includes a diverse array of high potential and high value assets

Each target disease has a substantial patient population with a significant unmet medical need



EEV therapies have the potential for a best-in-class approach in neuromuscular diseases

Entrada expects to have four Phase 1/2 MAD patient studies in DMD and DM1 by the end of 2025

Delivered positive Phase 1 data in DMD (ENTR-601-44)

- Robust clinical validation in healthy volunteers
- No treatment-related AEs
- Potential best-in-class target exposure and target engagement
- Potential for minimum of 6-week dosing intervals

Strong, translational DMD data support franchise expansion

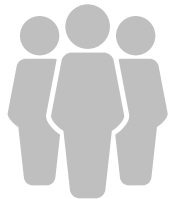
- Leverages ENTR-601-44's positive Phase 1 results
- Best-in-class potential for ENTR-601-45, ENTR-601-50 and ENTR-601-51
- Pursuing efficient, direct-to-patient clinical strategy

Vertex partnership further validates EEV potential (VX-670)

- Vertex completed SAD portion of VX-670 global Phase 1/2 clinical study
- Vertex initiated MAD portion of VX-670 global Phase 1/2 to evaluate safety and efficacy in patients with DM1

Positive ENTR-601-44 Phase 1 data support the initiation of a Phase 1/2 MAD clinical study in patients

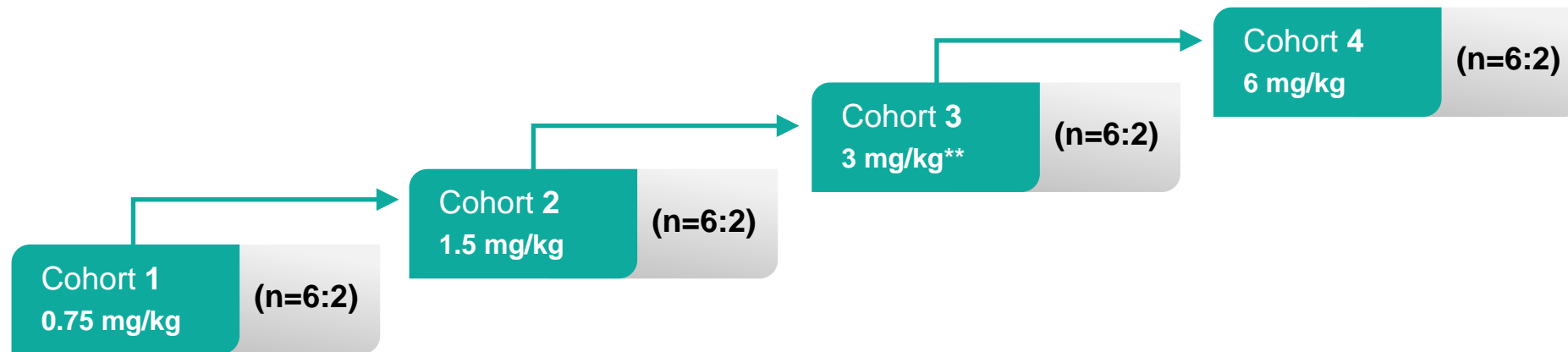
ENTR-601-44-101: Placebo-controlled single ascending dose (SAD) study in healthy volunteers*



32 Adult Subjects 6:2 randomization
Single IV dose **Total Active: Placebo = 24:8**

Outcome Measures

- Safety and tolerability
- Evaluation of PK and PD
- Target engagement as measured via exon skipping



Key findings: Strong clinical safety up to 6 mg/kg, with the potential for best-in-class pharmacokinetics and pharmacodynamics in patients

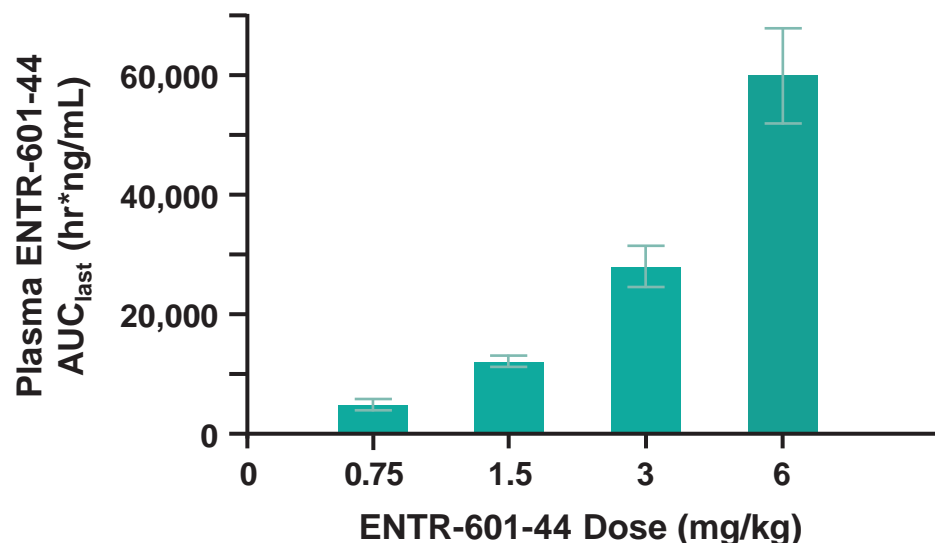
ENTR-601-44-101: No treatment-related adverse events were reported in the ENTR-601-44-101 study up to the highest dose of 6 mg/kg

- No AEs related to study drug
- Most common AE was headache (n=7; 5 mild and 2 moderate)
- No clinically significant findings with lab values, ECG or vital signs
- No adverse findings or clinically relevant changes to biomarkers of renal toxicity at highest dose of 6 mg/kg

n (%)	Pooled placebo (N=8)	ENTR-601-44				Total (N=25)
		0.75 mg/kg (n=6)	1.5 mg/kg (n=6)	3.0 mg/kg (n=7)	6.0 mg/kg (n=6)	
Dosed	8	6	6	6	6	24
Completed Study	8	6	6	6	6	24
Any TEAE	1	5	2	3	3	13
Treatment-related TEAE	0	0	0	0	0	0

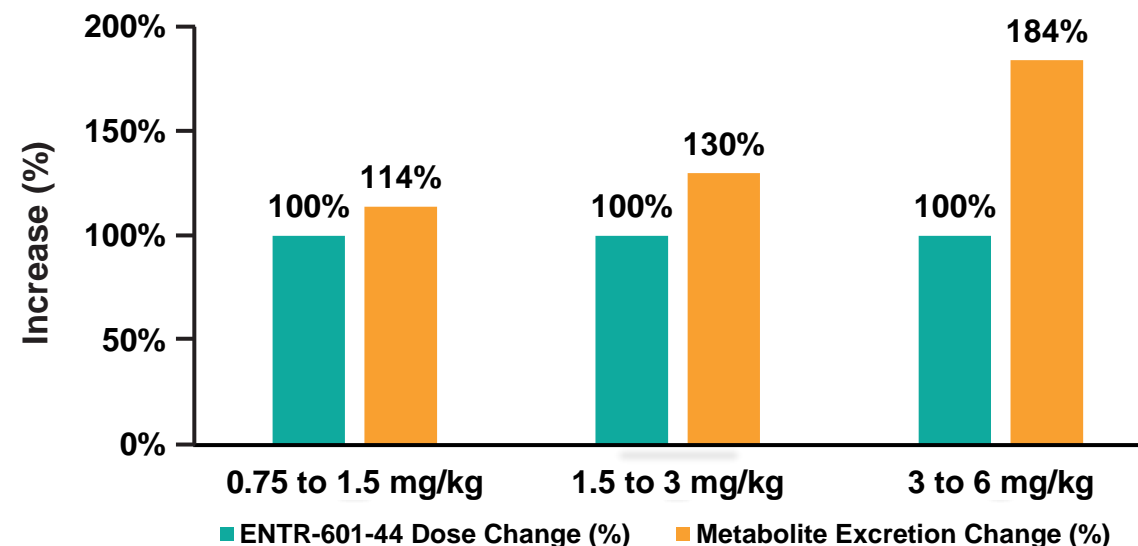
ENTR-601-44-101: Potential best-in-class dose-dependent pharmacokinetics

Plasma Concentration of ENTR-601-44



High drug concentration supports potential for efficacy at relatively low doses

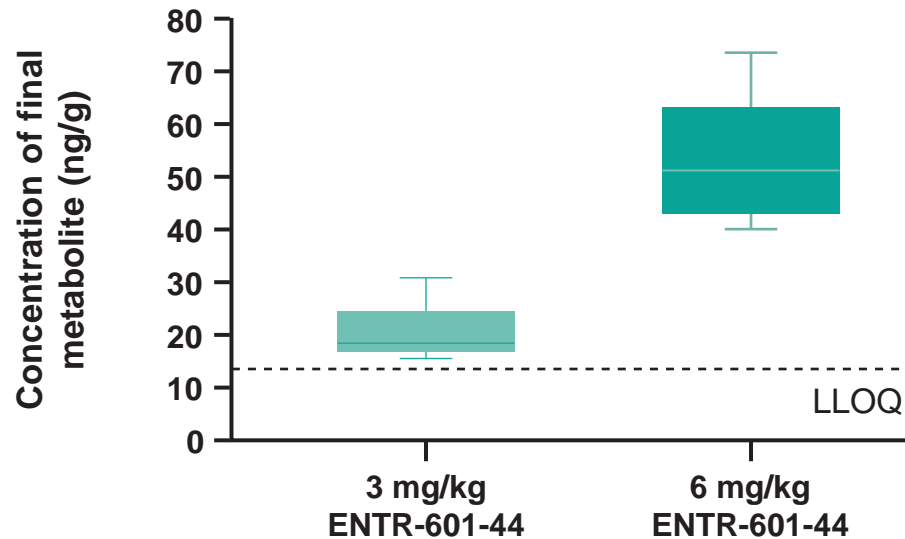
Dose-Dependent Increases In Urinary Excretion of Final PMO-44 Metabolite



For every doubling of dose, there is a more than doubling of metabolite excretion, implying the potential for increasing efficacy without a proportional risk of increasing toxicity

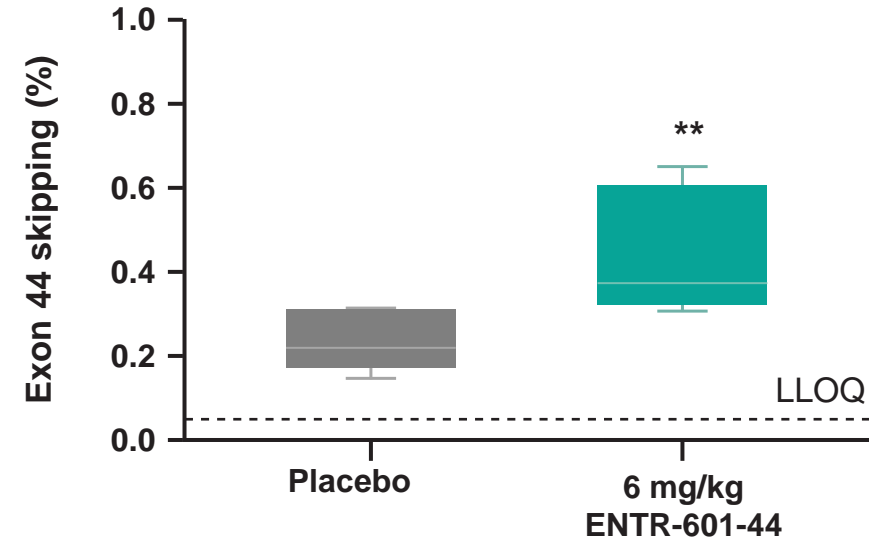
ENTR-601-44-101: Favorable target exposure and engagement at 6 mg/kg

Skeletal Muscle Concentration



Dose-dependent skeletal muscle concentration was observed

DMD Exon 44 Skipping



Robust target engagement with statistically significant exon skipping observed versus placebo

ENTR-601-44's Phase 1 results unlock DMD portfolio investment across multiple populations

Regulatory Filings Under Review

ENTR-601-44



- Discussions underway with several regulatory agencies
- Global Phase 1/2 MAD preparedness ongoing

ENTR-601-45



Ex-US clinical strategy designed to efficiently advance franchise

- Regulatory filings in additional geographies underway
- Global Phase 1/2 MAD preparedness ongoing

Accelerated Program Timelines

ENTR-601-50

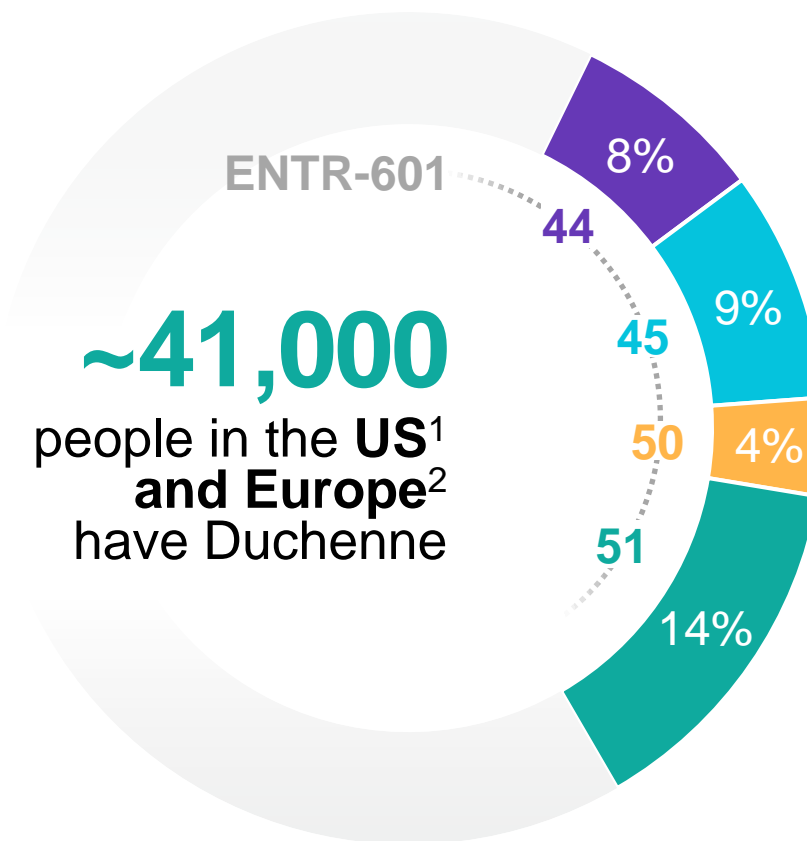
IND Enabling

- On track to submit regulatory filings in H2 2025
- Global Phase 1/2 MAD initiation expected in Q4 2025

ENTR-601-51

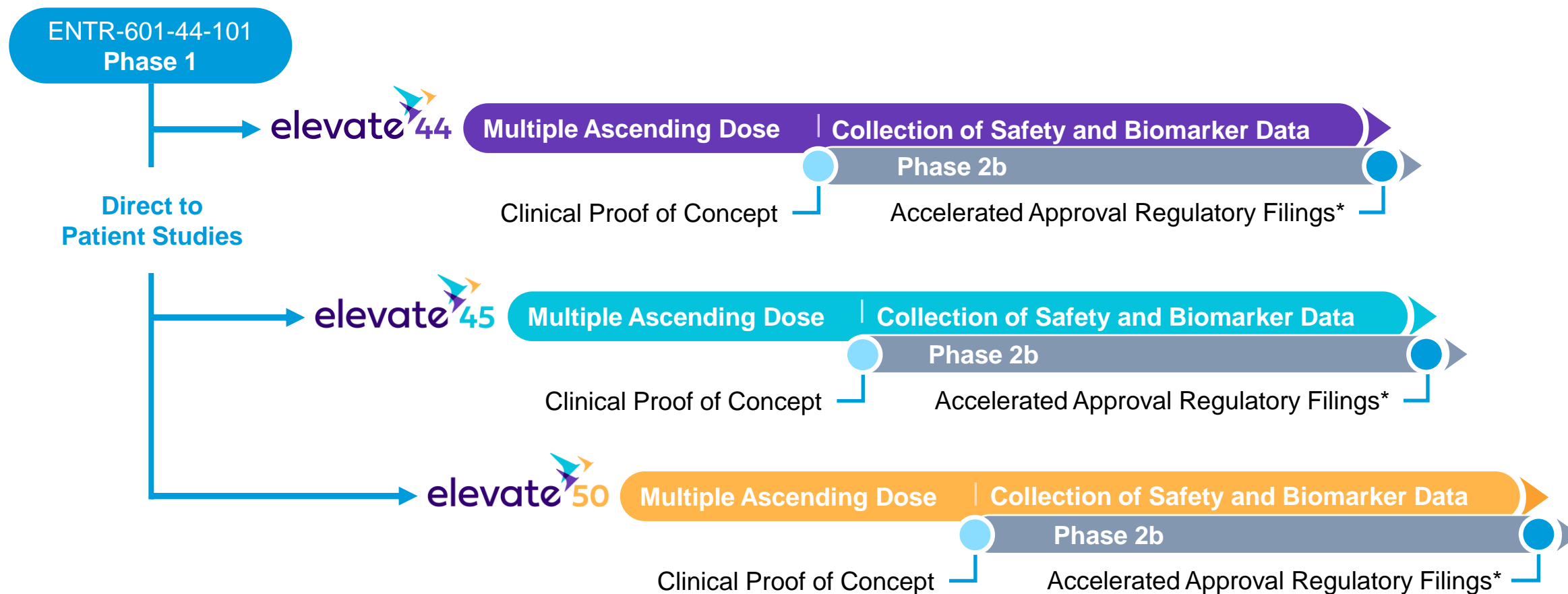
IND Enabling

- Candidate selected in December 2024
- Global Phase 1/2 MAD regulatory filings expected 2026



Clinical strategy is designed for efficient regulatory path

All ENTR-601-series programs will follow a similar clinical and regulatory approach



Robust preclinical data support global direct-to-patient Phase 1/2 MAD clinical studies across DMD franchise

ENTR-601-45

- Robust dystrophin restoration in del44hDMD.*mdx* mouse model after just 3 doses, 6 weeks apart
- Complete functional correction and maintenance of correction 6 weeks post-washout

Global Phase 1/2 MAD Study
Regulatory filings ongoing

ENTR-601-50

- Robust dose-dependent response and saturation of exon 50 skipping in hDMD mouse model after just 3 doses, 6 weeks apart
- Preclinical data support potential for high and persistent dystrophin restoration in patients

Global Phase 1/2 MAD Study
Regulatory filings expected H2 2025

ENTR-601-51

- Robust dose-dependent exon 51 pharmacodynamics in both del52hDMD.*mdx* and hDMD mouse models
- Preclinical data support potential for high and persistent dystrophin restoration in patients

Global Phase 1/2 MAD Study
Regulatory filings expected 2026

Entrada's flexible approach to intracellular therapeutics enables pipeline expansion by leveraging new moieties and by targeting additional therapeutic areas

TARGET



APPROACH

Gene Editing

RNA Editing

RNA Splicing

RNA Blocking

RNA Silencing

Protein Replacement

Protein Inhibition

Protein Degradation

GOAL

Deliver CRISPR enzyme and repair gene function with guide RNA

Deliver oligonucleotide therapeutics for RNA editing

Modify RNA via exon/intron splicing to activate protein expression

Block trinucleotide repeats in RNA to inhibit adverse binding

Silence or knockdown RNA to prevent protein expression

Replace proteins and enzymes

Inhibit protein signaling pathways

Degrade disease-causing proteins

Multiple near and long-term value drivers



Four clinical programs expected in 2025

- **ENTR-601-44:** Discussions underway with several regulatory agencies
- **ENTR-601-45:** Global Phase 1/2 MAD regulatory filings ongoing
- **ENTR-601-50:** Global Phase 1/2 MAD regulatory filings expected in H2 2025
- **ENTR-601-51:** IND enabling studies ongoing
- **VX-670:** MAD portion of global Phase 1/2 ongoing



Moving beyond neuromuscular

- EEV platform is broadly applicable to intracellular targets and a wide range of diseases
- Efficient development framework in place for advancing new therapeutic candidates
- Preclinical data support potential for broad therapeutic index across multiple modalities
- Initial focus on ocular and metabolic diseases

Cash runway extended into Q2 2027



Appendix

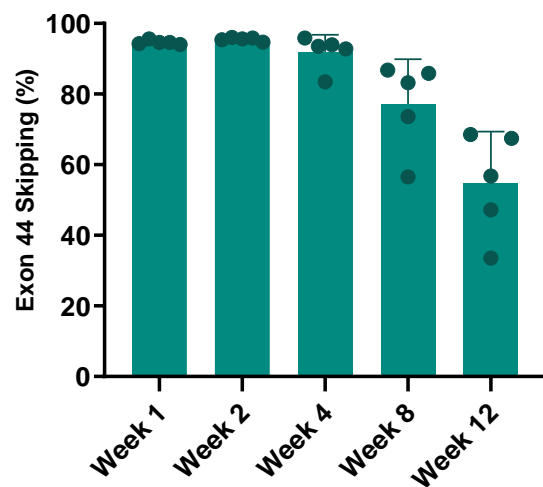


Consistent and durable efficacy across species

ENTR-601-44

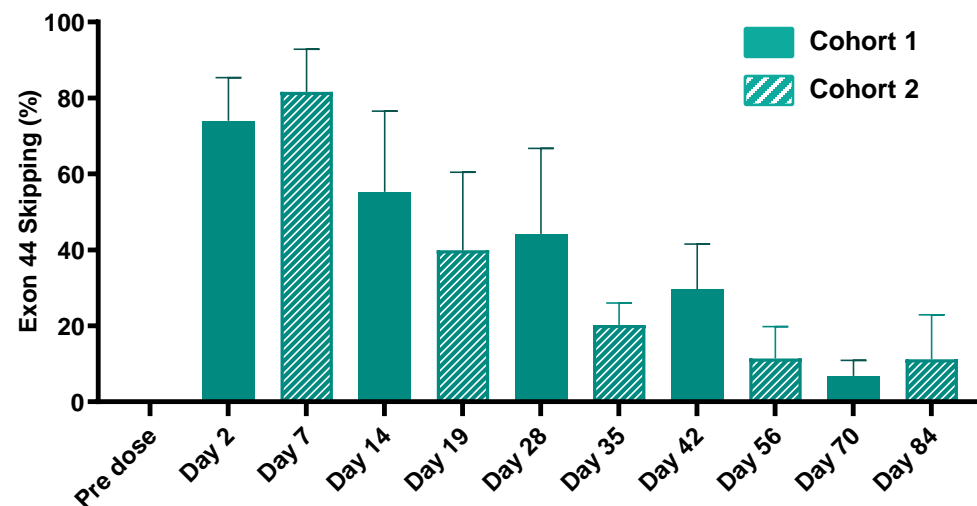
Significant potential for patient benefit is supported by ENTR-601-44 data in the mouse and the NHP at clinically relevant levels; *in vitro* data suggest much higher target engagement in patient cells

Exon 44 Skipping in hDMD Mouse



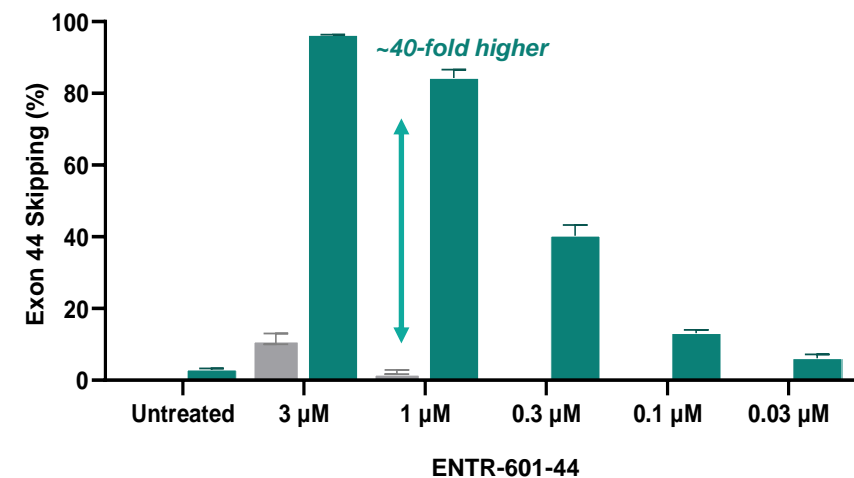
- Single 60 mg/kg (PMO equivalent) dose
- Tibialis anterior

Exon 44 Skipping in NHP



- Post-IV infusion of single 35 mg/kg (PMO equivalent) dose, robust exon 44 skipping observed in biceps in the ENTR-601-44 treated NHPs (n=3 per cohort) for at least 12 weeks

Exon 44 Skipping in Healthy and Patient Myoblasts

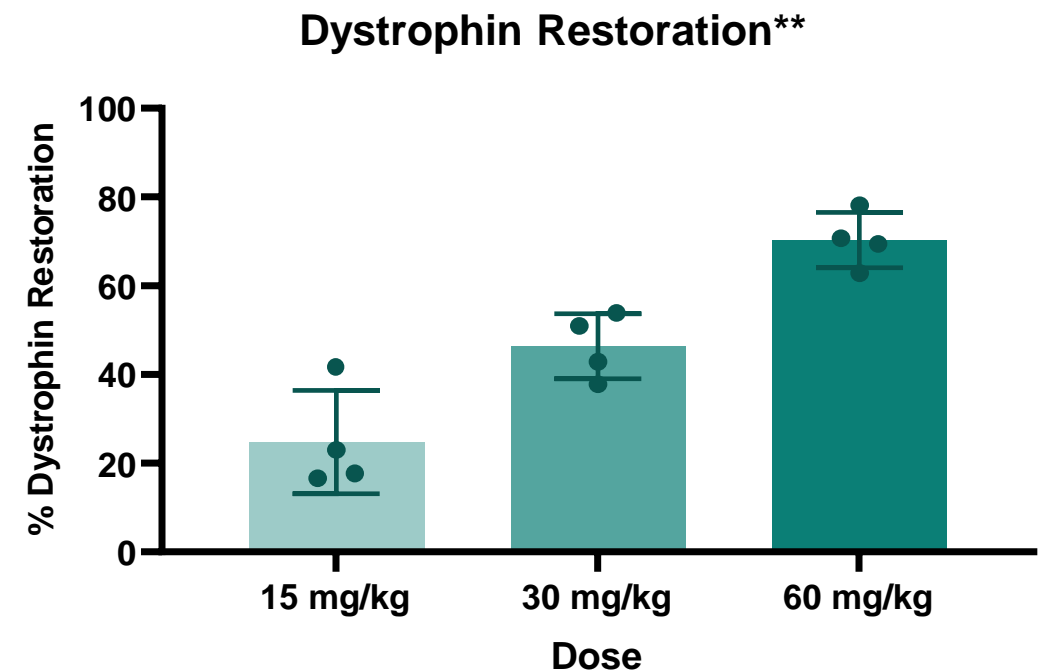
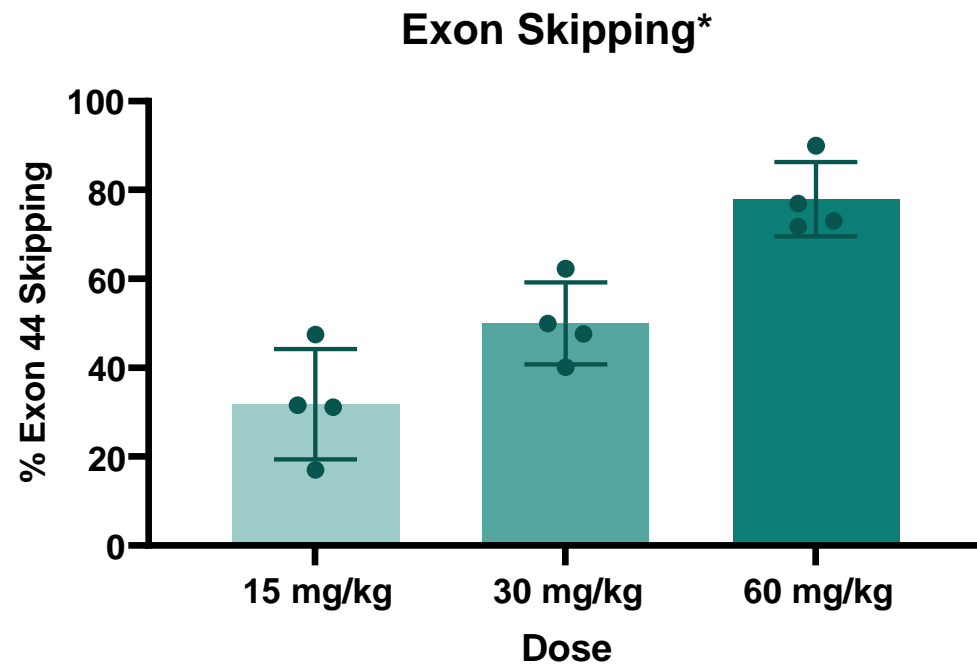


- Patient Cells (DMDD45); n=4 cells/dose
- Healthy Cells; n=4 cells/dose

Dose-dependent exon skipping and dystrophin

ENTR-601-44

Dose-dependent response at a minimally effective dose of 15 mg/kg is observed, with near saturation at a clinically relevant dose of 60 mg/kg implying a wide therapeutic index

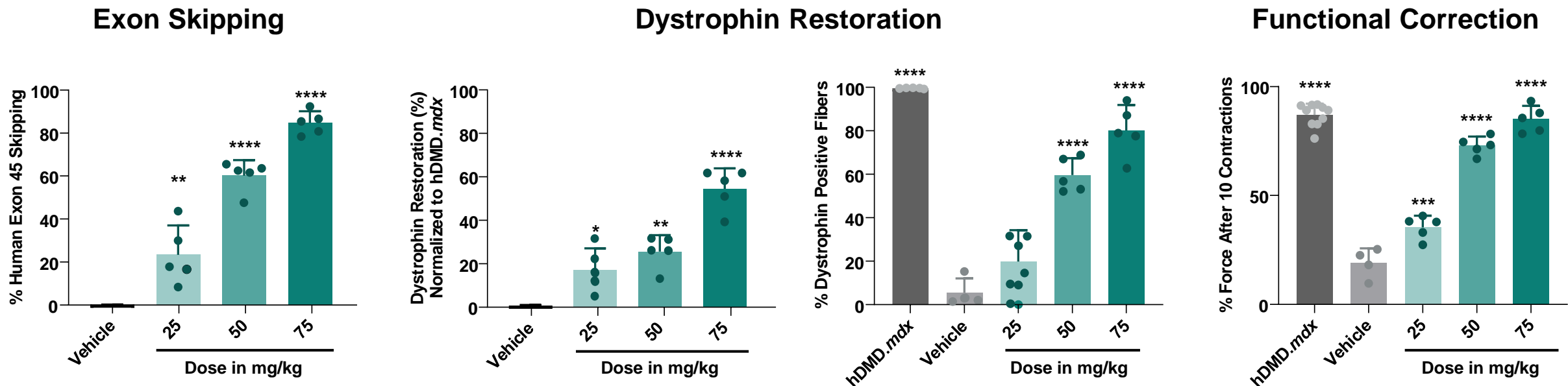


- Del45hDMD.mdx mice dosed with EEV-PMO-44***
- n=4, gastrocnemius sample collection 2 weeks post-injection

Preclinical data support potential for best-in-class clinical profile

ENTR-601-45

Dose-dependent increase in exon skipping and dystrophin expression correlates to functional correction to wild type



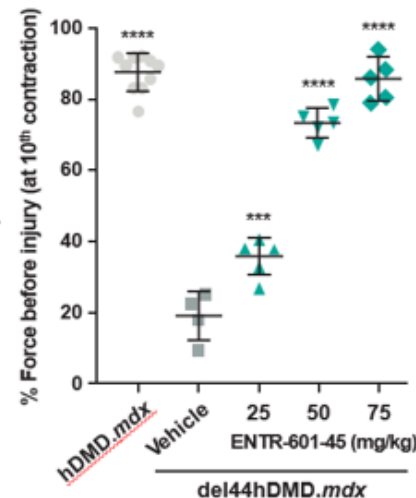
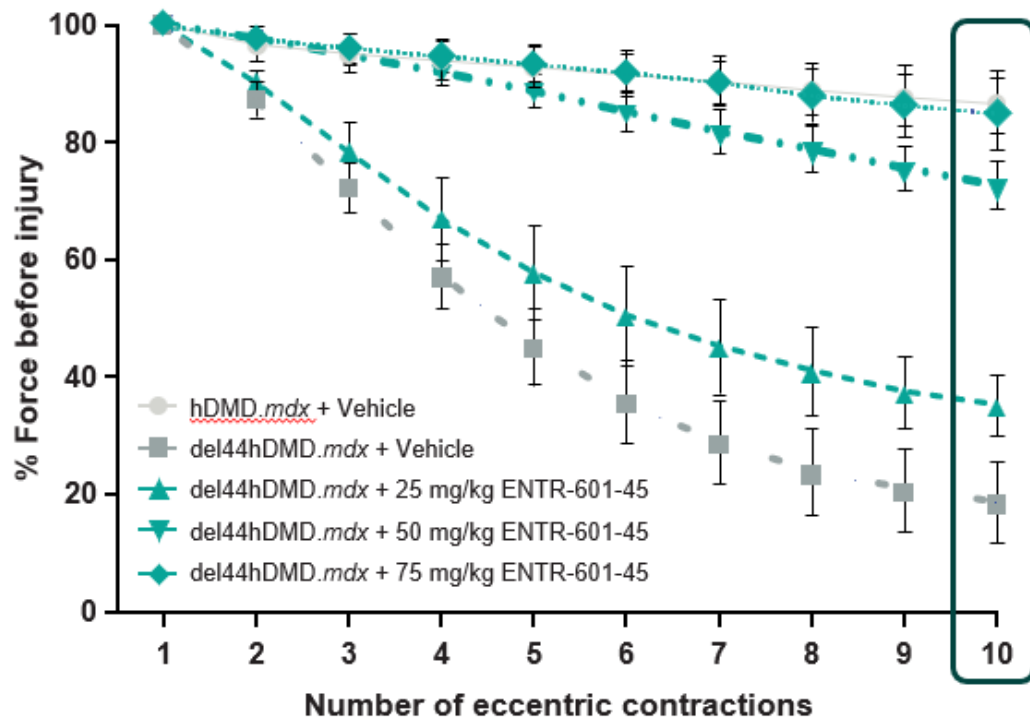
- Active and vehicle del44hDMD.mdx mice, n=5 per cohort, EEV-PMO-45 (Q6W x 3 doses); Control saline treated hDMD.mdx mice, n=10 (Q6W x 3 doses)
- Skipping (ddPCR) and dystrophin production (JESS) is significantly increased 6 weeks after the third dose of ENTR-601-45 (gastrocnemius muscle shown)

Dose-dependent and durable improvements in muscle function observed in del44hDMD.mdx mice

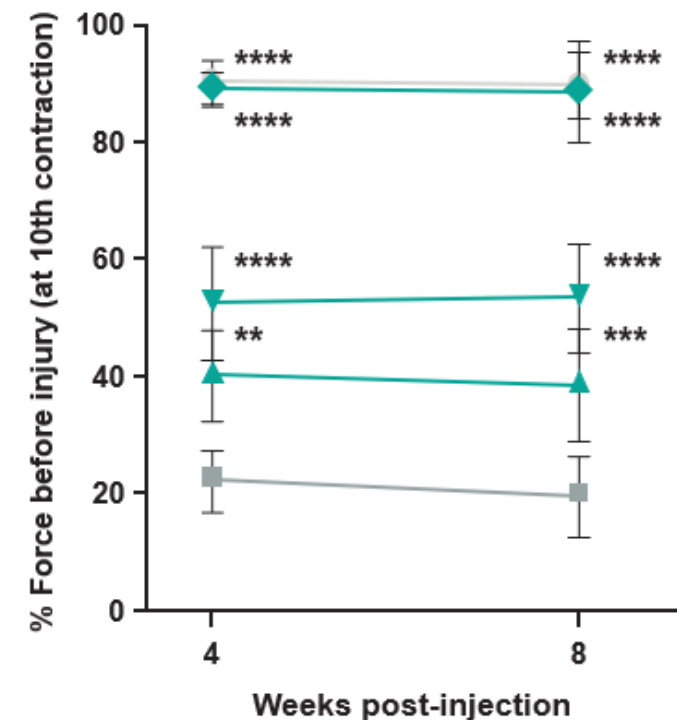
ENTR-601-45

Dose-dependent increase in resistance to membrane damage was observed following the tenth contraction, which was maintained until at least 8 weeks after the third Q6W dose of ENTR-601-45

Skeletal Muscle Membrane Stability



Stability After Washout

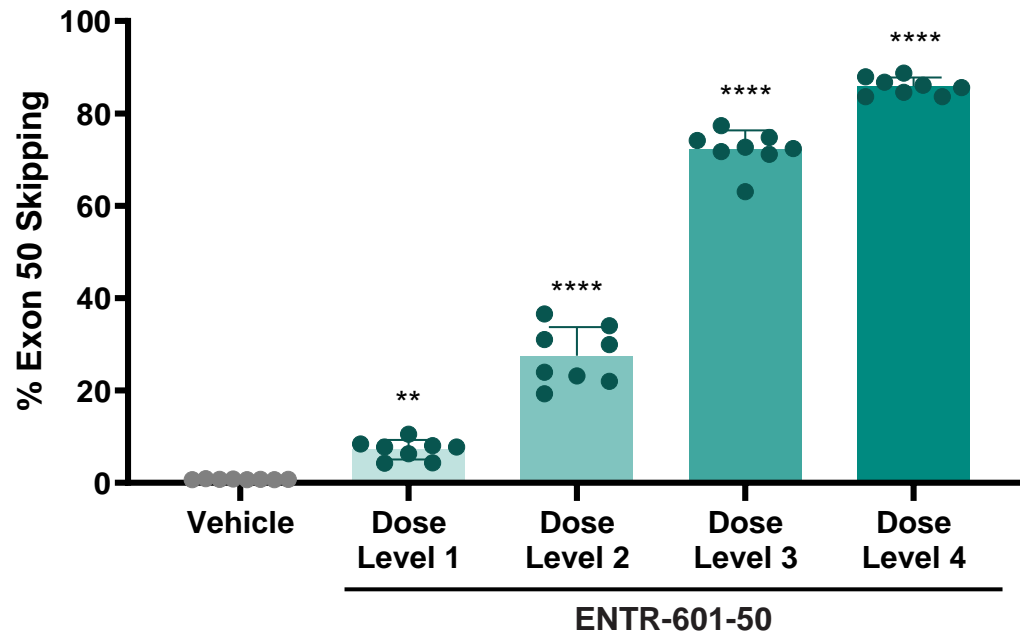


ENTR-601-50 in hDMD show high levels of durable exon skipping

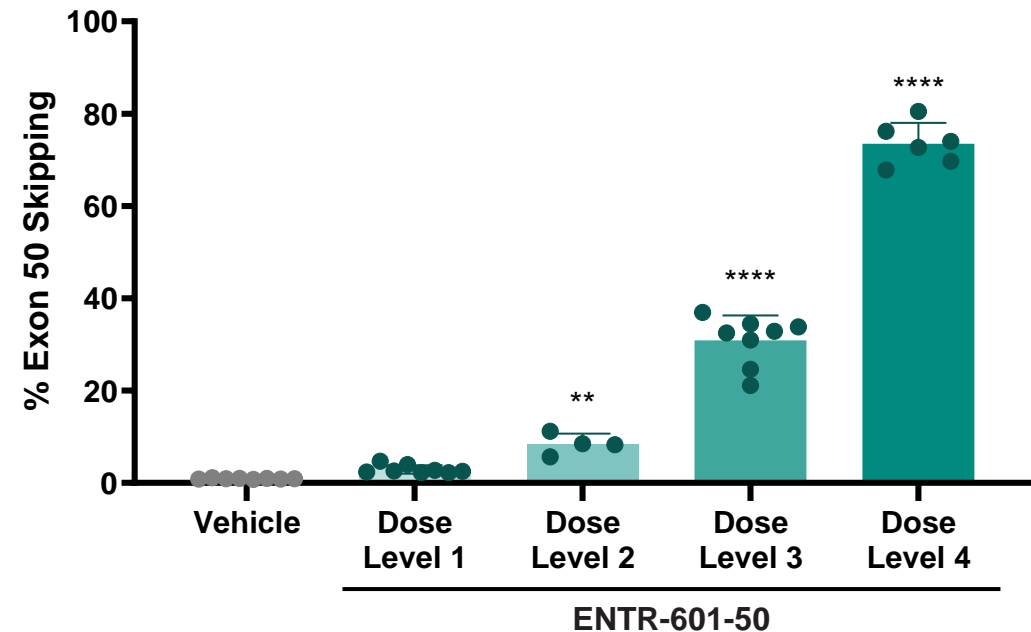
ENTR-601-50

Repeated doses of ENTR-601-50 in hDMD mice leads to robust dose-responsive levels of exon 50 skipping that largely persists to 6 weeks, supporting the potential for persistent dystrophin production

hDMD mouse 1 Week after Last Dose



hDMD mouse 6 Weeks after Last Dose



- Repeated doses administered via IV injection (Q6W x 3 doses) with 1 or 6-week washout; Exon skipping assessed by ddPCR (tibialis anterior muscle shown)

Learn more at
EntradaTx.com

