

DISCLAIMER



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This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this presentation, including statements regarding the Company's strategy, future operations, prospects and plans, objectives of management, the validation and differentiation of Entrada's approach and EEV platform and its ability to provide a potential treatment for patients, expectations regarding the Company's planned Phase 1/2 multiple ascending dose clinical studies of ENTR-601-44, -45, and -50, including their initiation in the UK in 2025, expectations regarding significant accumulation of exon skipping and dystrophin production in patients, expectations regarding the importance of endosomal escape to the rapeutic index optimization, the translatability of the data from the Phase 1 clinical study for ENTR-601-44 to our planned DMD clinical studies, expectations regarding the ability of the Company's preclinical studies and clinical studies to demonstrate safety and efficacy of its therapeutic candidates, and other positive results, expectations regarding the approvals and specific protocols for the Company's planned Phase 1/2 clinical studies for ENTR-601-44, -45, and -50, the timing of regulatory filings for the planned Phase 1/2 clinical studies for ENTR-601-50 in the second half of 2025 and ENTR-601-51 in 2026, the ability to recruit for, enroll, and complete a global Phase 1/2 study for ENTR-601-44, -45, -50, and -51, the ability to recruit for, enroll, and complete a Phase 1b study for ENTR-601-44 in the US, the potential of its EEV product candidates and EEV platform, including the potential for ENTR-601-44, -45, -50, and -51 to be transformative treatment options, the continued development and advancement of ENTR-601-44, -45, -50, and -51 for the treatment of Duchenne and the partnered product VX-670 for the treatment of myotonic dystrophy type 1, and the sufficiency of the Company's cash resources extending into 2027, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. The words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "objective," "ongoing," "plan," "predict," "project," "potential," "should," or "would," or the negative of these terms, or other comparable terminology are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. The Company may not actually achieve the plans, intentions or expectations disclosed in these forward-looking statements, and you should not place undue reliance on these forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in these forward-looking statements as a result of various important factors, including: uncertainties inherent in the identification and development of product candidates, including the conduct of research activities and the initiation and completion of preclinical studies and clinical studies; uncertainties as to the availability and timing of results from preclinical and clinical studies; timing of and expectations regarding the Company's ability to submit and obtain regulatory authorization and initiate clinical studies; whether results from preclinical studies will be predictive of the results of later preclinical studies and clinical studies; whether earlier clinical data will be predictive of later clinical data; our ability to establish and maintain collaborations or strategic relationships; whether the Company's cash resources will be sufficient to fund the Company's foreseeable and unforeseeable operating expenses and capital expenditure requirements; as well as the risks and uncertainties identified in the Company's filings with the SEC, including the Company's most recent Form 10-K and in subsequent filings the Company may make with the SEC. In addition, the forward-looking statements included in this presentation represent the Company's views as of the date of this presentation. The Company anticipates that subsequent events and developments will cause its views to change. However, while the Company may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this presentation.

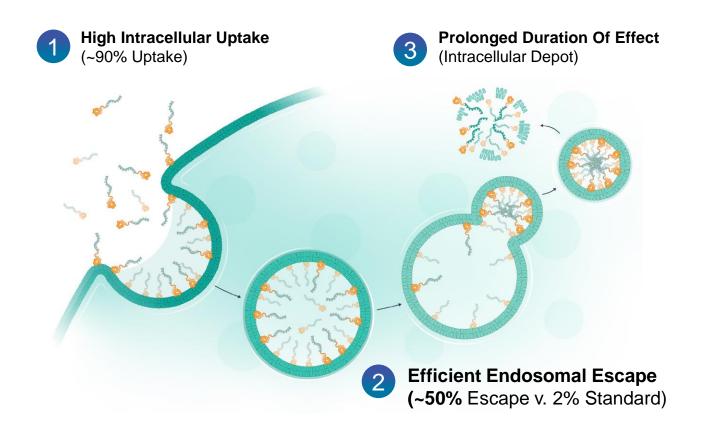


EEVTM PLATFORM

Endosomal Escape Vehicle (EEV™) Therapeutics

- Unique chemistry results in improved uptake and endosomal escape
- Cyclic structure designed to extend half life and increase stability
- Phospholipid binding potentially enables broad biodistribution to all cells
- Mechanism of internalization conserved across species

The EEV Platform seeks to solve a fundamental problem: a lack of efficient cellular uptake and escape from the endosome. Both are critical to intracellular target engagement and therapeutic benefit.



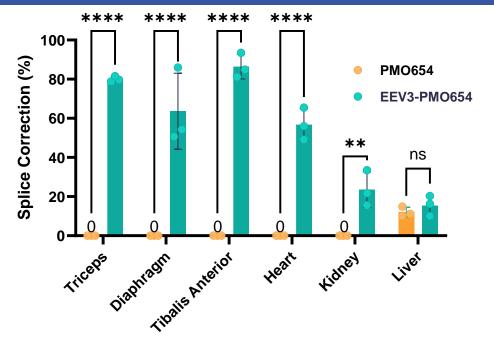
OPTIMIZATION OF EEV FOR MUSCLE DELIVERY



Rational substitution of cationic residues with a surrogate results in robust functional delivery to skeletal and cardiac muscle

EEV3-PMO654 Structure and Medicinal Chemistry Conjugation with PMO Exocyclic peptide sequence with extended linker Substitution of positively charged arginine residues with neutral charged citrullines

Enhanced Functional Delivery to Muscle



 EGFP654 mice were evaluated for splice correction 7 days following three weekly 10 mg/kg IV injections of PMO654 or EEV3-PMO654

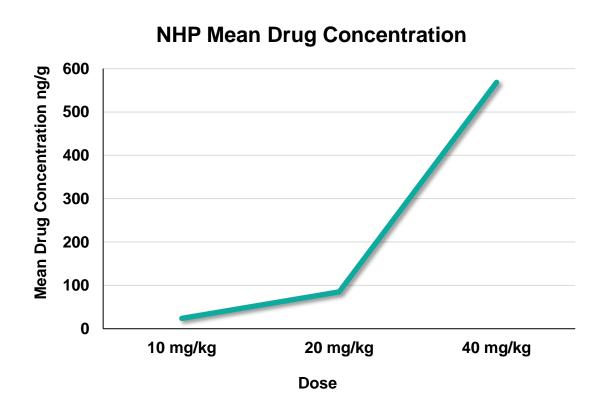


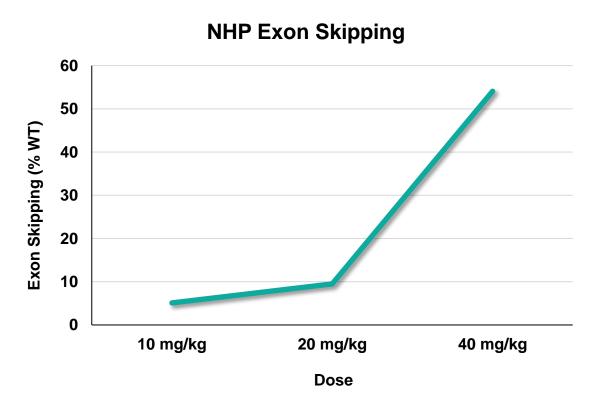
ENTR-601-44 PRECLINICAL STUDIES

DOSE-DEPENDENT PK AND PD IN NHP



NHP data demonstrated exponential increases at higher doses; A close correlation between drug concentration and exon skipping was observed*





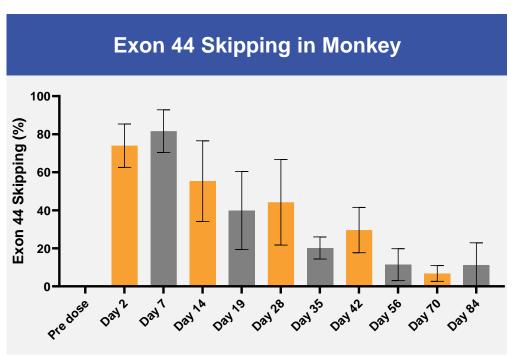
CONSISTENT AND DURABLE EFFICACY OF EEV-PMO WAS DEMONSTRATED ACROSS SPECIES



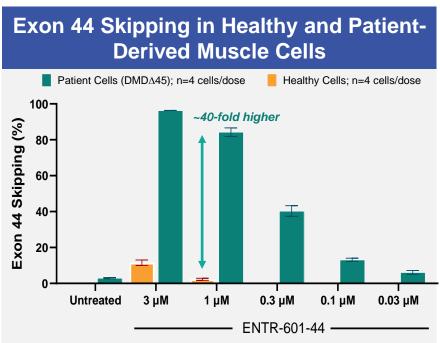
Significant patient benefit is implied by data in the mouse and the monkey at clinically relevant levels; *in vitro* data suggests much higher target engagement in patient cells

Exon 44 Skipping in hDMD Mouse

- Single IV 80 mg/kg dose of ENTR-601-44
- Tibialis Anterior



 Post IV infusion of single 45 mg/kg dose of ENTR-601-44, robust exon 44 skipping observed in biceps of treated monkeys (n=3 per cohort) for at least 12 weeks



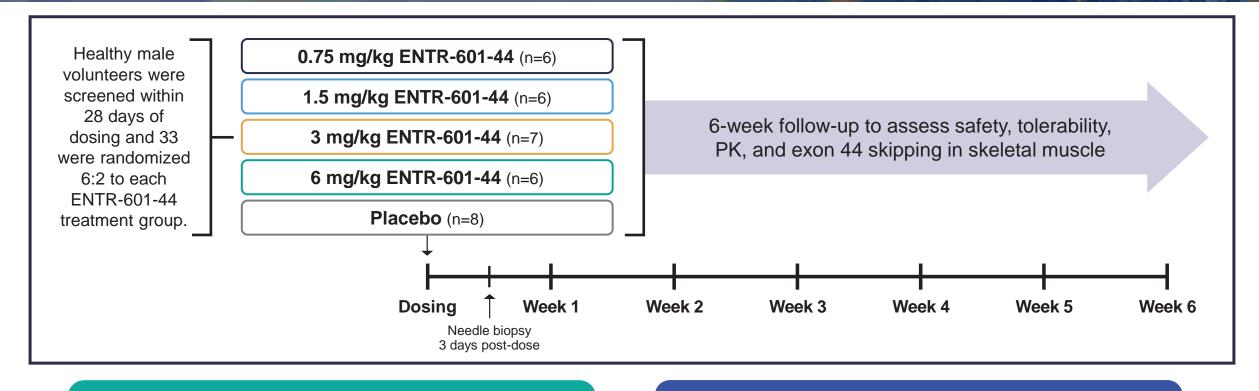
 Robust dose-dependent exon 44 skipping was observed in DMD patient-derived muscle cells harboring an exon 44 skip-amenable mutation



ENTR-601-44-101 PHASE 1 STUDY

ENTR-601-44-101: STUDY DESIGN





Key Inclusion Criteria

- Healthy males aged 18–55 years, inclusive.
- Body mass index (BMI) of 18.0 to 32.0 kg/m², inclusive, and a minimum weight of 50 kg at screening.

Key Exclusion Criteria

 No current or prior history of clinically significant illness, organ transplant, cardiac disease, hypertension, long QT syndrome, hepatitis B, or diabetes.

ENTR-601-44-101: OVERALL SAFETY AND TOLERABILITY



A single IV dose of ENTR-601-44 was well-tolerated in healthy human volunteers up to a dose of 6 mg/kg. No treatment-related adverse events were reported in the study.

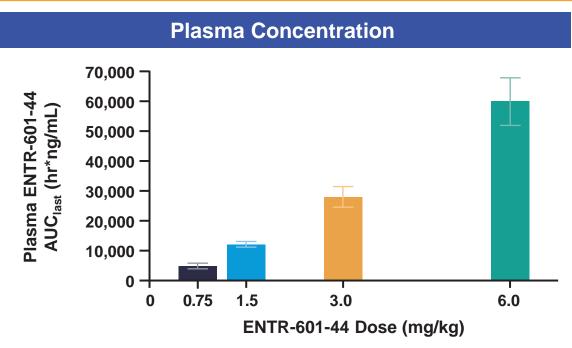
- At screening, volunteers had a mean (SD) age of 32.6 (8.1) years and BMI of 25.2 (2.9) kg/m²
- All randomized volunteers completed dosing and 6-week follow-up except for one in the 3 mg/kg group who withdrew from the study prior to receiving treatment (physician's decision)
- No AEs were deemed related to study drug by the investigator. The most common AE was headache (n=7; 5 were mild and 2 were moderate).
 - All AEs resolved by study completion
 - No severe or serious AEs were reported in any dose group throughout the study

	Pooled	ENTR-601-44				
n (%)	placebo (N=8)	0.75 mg/kg (n=6)	1.5 mg/kg (n=6)	3.0 mg/kg (n=7)	6.0 mg/kg (n=6)	Total (N=25)
Randomized	8 (100)	6 (100)	6 (100)	7 (100)	6 (100)	25 (100)
Dosed	8 (100)	6 (100)	6 (100)	6 (85.7)	6 (100)	24 (96)
Completed study	8 (100)	6 (100)	6 (100)	6 (85.7)	6 (100)	24 (96)
Any TEAE	1 (12.5)	5 (83.3)	2 (33.3)	3 (50)	3 (50)	13 (54)
Treatment-related TEAE	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Severe AEs	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
SAEs	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

ENTR-601-44-101: PHARMACOKINETICS

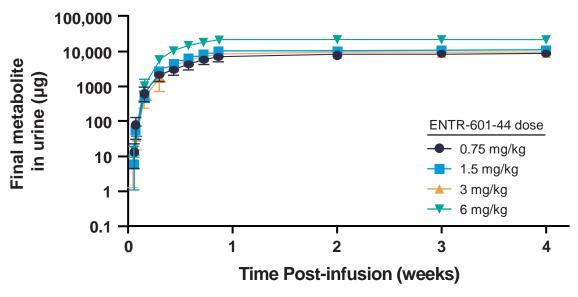


Pharmacokinetic analysis of ENTR-601-44 demonstrates dose-dependent increases in plasma concentration and urinary excretion.



• Dose-dependent increase in mean C_{max} (range) of 3530 (2970–4530), 7380 (6750–8000), 15,400 (12,400–18,500), and 30,900 (26,300–34,200) ng/mL in the 0.75, 1.5, 3.0, and 6.0 mg/kg dose groups, respectively

Urinary Excretion of Final PMO-44 Metabolite

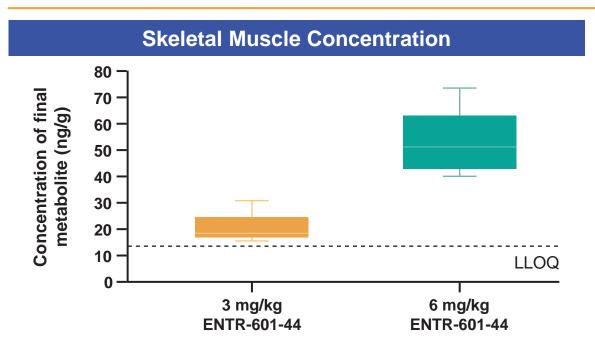


 Urinary excretion of the final metabolite is consistent with preclinical data, which demonstrate urinary excretion as the primary route of elimination.

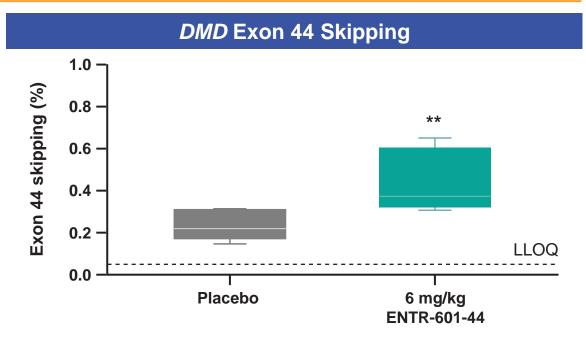
ENTR-601-44-101: MUSCLE CONCENTRATION AND EXON SKIPPING



Dose-dependent increases in muscle concentration and *DMD* exon 44 skipping were observed 72 hours following a single IV dose of ENTR-601-44



- All six volunteers in the 6 mg/kg dose group had detectable levels of PMO-44 metabolite in skeletal muscle (mean 52.4 ng/g, range 40.0–73.5 ng/g)
- Concentrations of PMO-44 metabolite were below LLOQ in 3 of 6 volunteers in the 3 mg/kg dose group and all volunteers in the 0.75 and 1.5 mg/kg dose groups

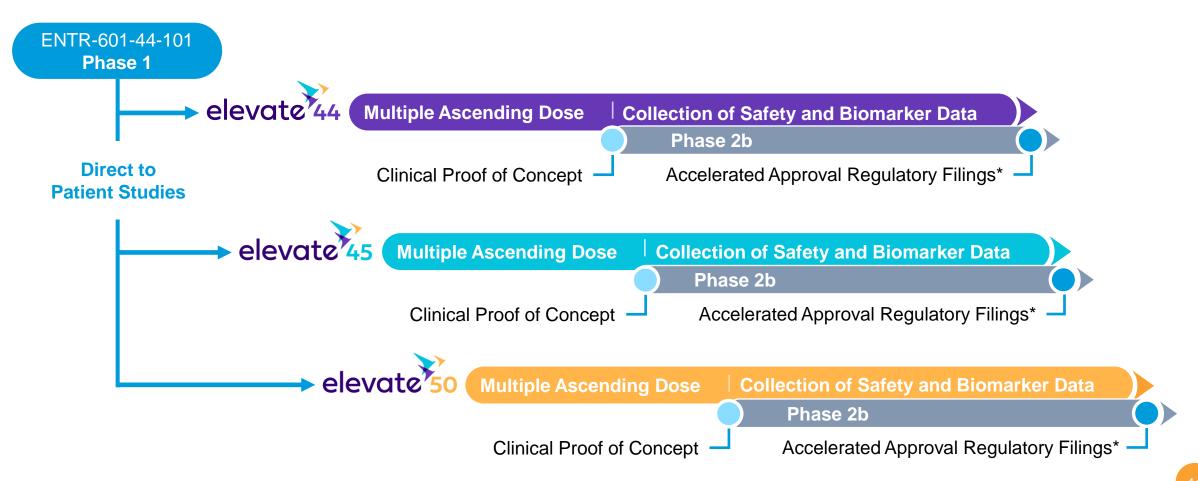


- Statistically significant DMD exon 44 skipping was observed with 6 mg/kg ENTR-601-44 (mean 0.44%, range 0.30%–0.65%) in comparison with placebo (mean 0.22%, range 0.14%–0.31%)
- No other ENTR-601-44 dose group was statistically significant in comparison with placebo.

ENTR-601 CLINCAL DEVELOPMENT PROGRAM



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





SATELLITE CELLS UPTAKE OF PMO

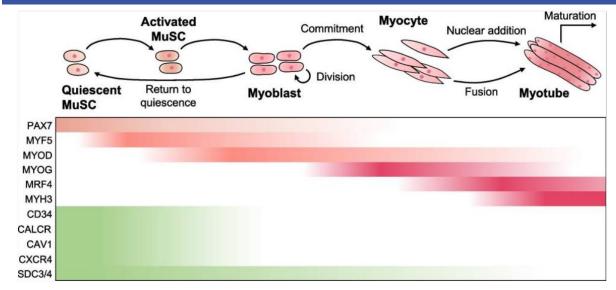
MUSCLE SATELLITE CELLS



Muscle satellite cells as a new therapeutic target with potential in several neuromuscular disorders

- Satellite cells are muscle stem cells responsible for generating myoblasts for early muscle growth
 - Mitotically quiescent in mature muscle, satellite cells maintain their own population by self renewal
 - In post-mitotic muscles, they can be activated to generate myoblast for homeostasis, repair, and hypertrophy
- Quiescent satellite cells are historically challenging to access by therapeutic modalities
- EEV-mediated delivery to access quiescent satellite cells could enable early disease intervention
 - Ability to deliver to myonuclei of muscle fibers and to quiescent satellite cells holds potential in several neuromuscular disorders
- Currently evaluating satellite cell-opathies (primary and secondary) to identify attractive target-indication pairs, e.g., FSHD

Developmental Stages of Muscle Satellite Cells



- The developmental stages of muscle satellite cells can be delineated by various myogenic factors
 - PAX7, a canonical myogenic marker essential for orchestrating proper muscle regeneration, is mainly expressed in **<u>quiescent</u>** state, and at a lower level in activated state
 - Stage-specific expression of myogenic factors provides tools for studying EEV-PMO uptake at different developmental stages of satellite cells

DISTRIBUTION OF EEV-PMO TO SATELLITE CELLS



EEV-PMO shows 100% co-localization with quiescent satellite cells (Pax7 positive) at 48 hours; Qualitative data demonstrates that co-localization lasts at least 1-week post-dose

- Two independent molecular techniques were utilized to determine EEV-PMO distribution within specific cell lineages across muscle tissue
 - RNA-ISH: Highly selective and sensitive technique to assess specific cell lineages across muscle tissue
 - Immunohistochemistry (IHC) Assessment
- Quantification analysis of RNA-ISH data confirms that EEV-PMO is co-localized in 100% of satellite cells at 48 hours
 - Quantitative assessment confirms qualitative data (data not shown)
- Qualitative assessment of IHC data demonstrates colocalization of satellite cells in hDMD mice with EEV-PMO at 7 days
 - Quantitative analysis ongoing

PMO Distribution (48 hours, RNA-ISH Quantitation)

Treatment Group	% Pax7 Positive Cells	% Pax7 + PMO Positive Cells	
Saline	1-10%	0%	
EEV-PMO Treated	1-10%	1-10%	

PMO Distribution (Day 7, IHC)

