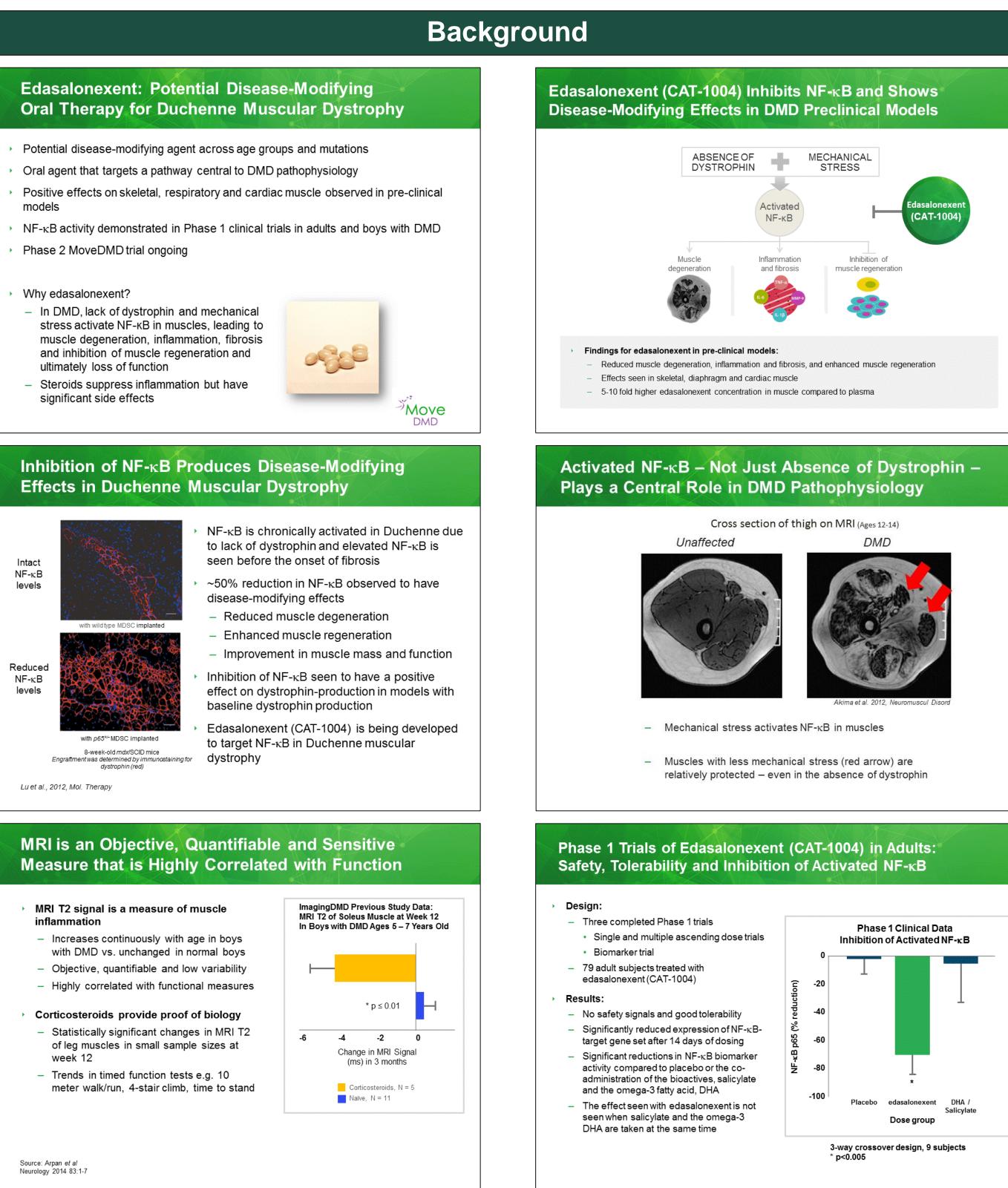
Move MoveDMDSM: A Clinical Trial of Edasalonexent (CAT-1004) in Boys with Duchenne Muscular Dystrophy



Disclosures:

- * Edasalonexent (CAT-1004) is an investigational agent being developed for the treatment of Duchenne muscular dystrophy, and not approved for treatment.
- * Dr. Joanne Donovan is an employee of Catabasis Pharmaceuticals, Inc.

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Part A Results

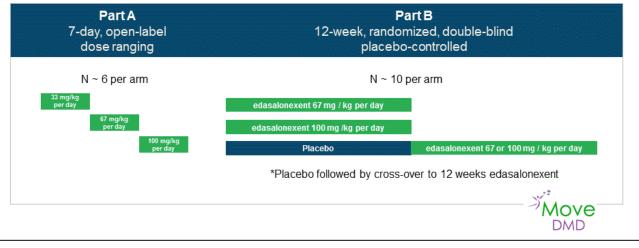
Edasalonexent (CAT-1004) MoveDMD Trial **Objectives and Design**

Part A (1 week of treatment):

- Assess the safety and PK of edasalonexent in ~18 boys with Duchenne aged 4-7 · Identify doses of edasalonexent that have plasma exposures known to
- have effects on NF-κB

Part B (12 weeks of treatment):

- Assess the safety of edasalonexent in ~30 boys with Duchenne over 12 weeks Measure the efficacy of edasalonexent versus placebo on MRI, timed functional tests
- (10 meter walk/run, 4 step climb, time to stand), North Star, PODCI, muscle strength



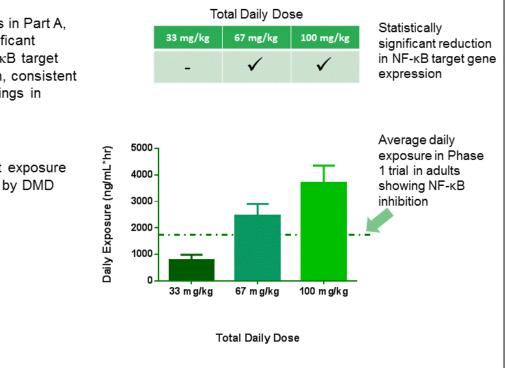
MoveDMD: Part A Safety and Tolerability

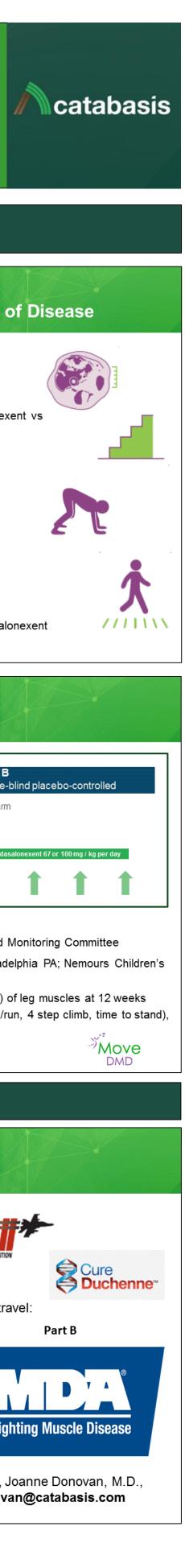
- Generally well tolerated
- No serious adverse events, no discontinuations
- All patients able to take edasalonexent capsules
- Adverse events (AE) predominantly mild, most common AE was diarrhea
- Assessments
- Laboratory: no trends or safety issues in liver, renal, hematology
- Physical exam, EKG, vitals: no safety issues
- Adverse events (7 days)

	33 mg/kg n=5	67 mg/kg n=6	100 mg/kg n=6	Total n=17
Diarrhea	0	0	4	4
Fecessoft	1	1	1	3
Abdominal pain upper	1	0	1	2

MoveDMD Part A Results: Positive NF-kB Biomarker Results and Sufficient Exposure at Top Two Doses

- At top two doses in Part A, statistically significant decrease in NF-kB target gene expression, consistent with NF-κB findings in adults
- Dose-dependent exposure in boys affected by DMD





Part B Design

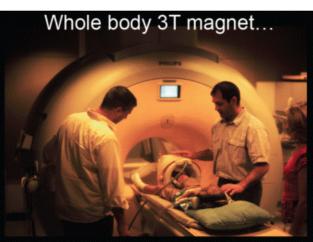
MoveDMD Study Population

Initial approach is to assess safety, pharmacokinetics and MRI as a biomarker of inflammation in young boys not on steroids

Inclusion Criteria

- Diagnosis of DMD based on a clinical phenotype with increased serum CK and the presence of a mutation in the dystrophin gene known to be associated with a DMD phenotype
- Ambulatory
- Age ≥4 years and <8 years
- Adequate immunization for varicella and influenza
- **Exclusion Criteria**
- Use of corticosteroids within prior 6 months to treatment initiation or planning to initiate steroid therapy within the next 6 months
- Abnormal GGT, creatinine, hemoglobin <10.5 g/dL
- Ongoing immunosuppressive therapy

MRI is an Exciting New Tool in Drug **Development for DMD**



From Vandenborne K, ImagingDMD

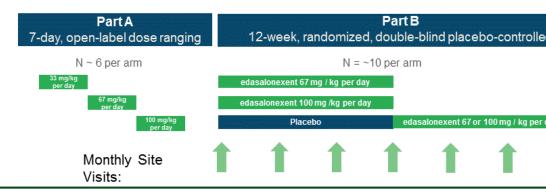
Magnetic Resonance Imaging (MRI) allows investigators to understand more about the natural history of DMD, to assess muscle health, and to assess potential effects of investigational drugs on muscle without need for biopsy

- There is no radiation exposure or injections involved
- Done at the ImagingDMD centers, who are expert in MRI in DMD

MoveDMD Endpoints: Assessments of Disease

- MRI assessments (primary endpoint):
- T2 as measure of muscle damage
- Prior to initiation of Part A
- Baseline and endpoint of Part B: 12-week edasalonexent vs PBO
- Functional assessments
- Timed functional tests:
- 10 meter walk / run, 4-step climb, time to stand
- North Star Ambulatory Assessment
- PODCI
- Limited muscle strength testing
- Timing
- Prior to initiation of Part A / Part B dosing
- At baseline, monthly and endpoint of 12-week edasalonexent vs PBO

Design of MoveDMD Part B



Inclusion/Exclusion: Similar to Part A

Safety: Monitored by investigators, Sponsor and Data Safety and Monitoring Committee Sites: University of Florida; Shriners, Portland OR; CHOP, Philadelphia PA; Nemours Children's Hospital, Orlando FL; UCLA, CA

- Key Endpoints: Changes in Magnetic Resonance Imaging (MRI) of leg muscles at 12 weeks Changes in appropriate Timed Function Tests (10 meter walk/run, 4 step climb, time to stand), North Star, PODCI, muscle strength at 12 weeks
- Assess safety, tolerability and pharmacokinetics

Summary

Edasalonexent: Potential Disease-Modifying **Oral Therapy for Duchenne Muscular Dystrophy**

- No safety signals and generally well tolerated at all 3 doses tested
- Plasma exposure levels consistent with those previously observed in adults at which inhibition of NF- κ B was observed, and which are higher than exposure levels in animal models at which disease modifying effects were seen.
- MoveDMD is an ongoing 12-week, double-blind, placebo-controlled Phase 2 efficacy trial of 67 mg / kg and 100 mg / kg edasalonexent in approximately 30 boys aged 4 – 7 with confirmed DMD.
- Based on inhibition of activated NF-kB, edasalonexent may reduce inflammation and muscle degeneration with potentially positive longer-term effects on muscle regeneration and function in DMD patients regardless of mutation type



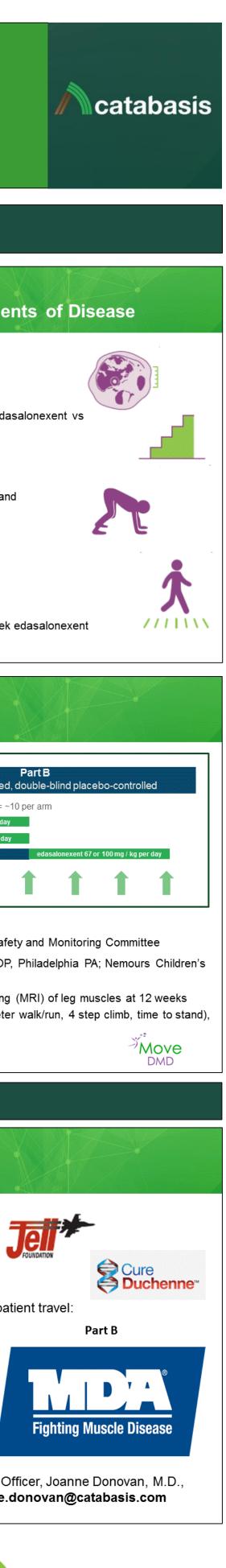
Thank You!

Patients and families

- Patient advocacy groups
- ImagingDMD Investigators and Staff
- Thanks to our partners for grant support for patient travel

Part A





For guestions: Email our Chief Medical Officer, Joanne Donovan, M.D., Ph.D. and the Clinical Team: joanne.donovan@catabasis.com

