

CIRRUS-HCM: 12-Week Evaluation of the Safety and Efficacy of the Novel Cardiac Sarcomere Modulator EDG-7500 in Nonobstructive and Obstructive Hypertrophic Cardiomyopathy

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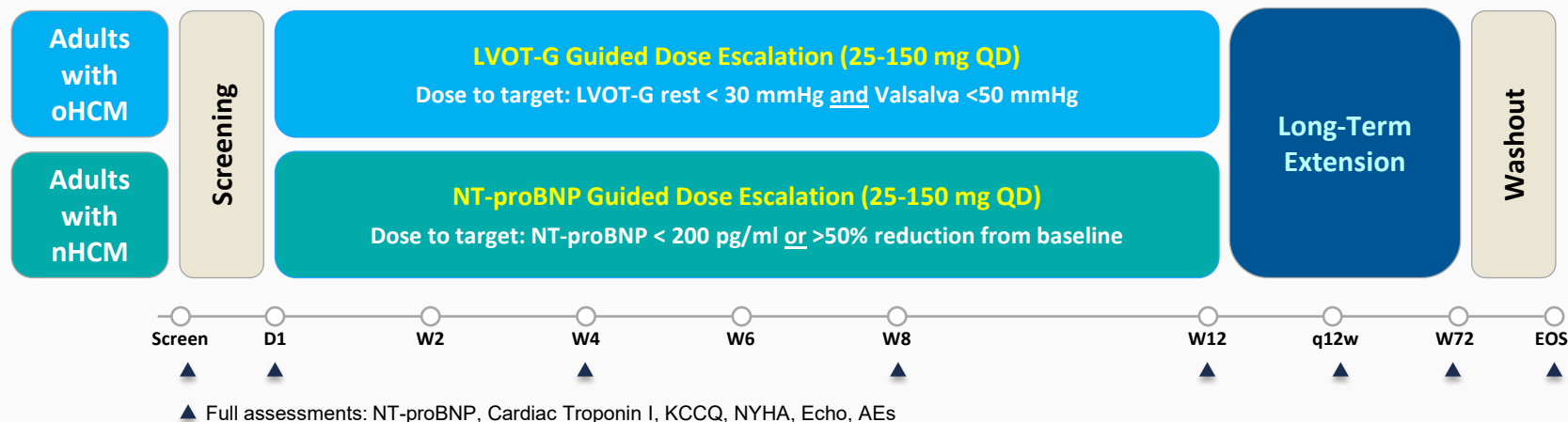
Disclosures

- Dr. Owens has received payments as a consultant to Alexion, Avidity, Biomarin, Bayer, Bristol Myers Squibb, Braveheart, BridgeBio, Cytokinetics, Lexeo, Stealth, Tenaya, Imbria, and Edgewise Therapeutics.

Background

- **EDG-7500** is a novel **cardiac sarcomere modulator** shown in preclinical models to:
 - Increase early diastolic relaxation while maintaining myosin availability
 - Reduce LVOT gradients by slowing early systolic pressure development
 - Preserve net systolic function
- Once-daily dosing with steady-state plasma levels achieved in ~4 days
- In Phase 2 studies of patients with oHCM and nHCM, improvements in **LVOT-G, biomarkers, NYHA** and **diastolic function** were observed following 4 weeks of once-daily EDG-7500
- **No meaningful reductions in LVEF** have been observed across the EDG-7500 program to date

CIRRUS-HCM: 12-Week Open-Label Study Design



- 65% of oHCM participants receiving 100 or 150 mg dose by Week 12
- 84% of nHCM participants receiving 100 or 150 mg dose by Week 12

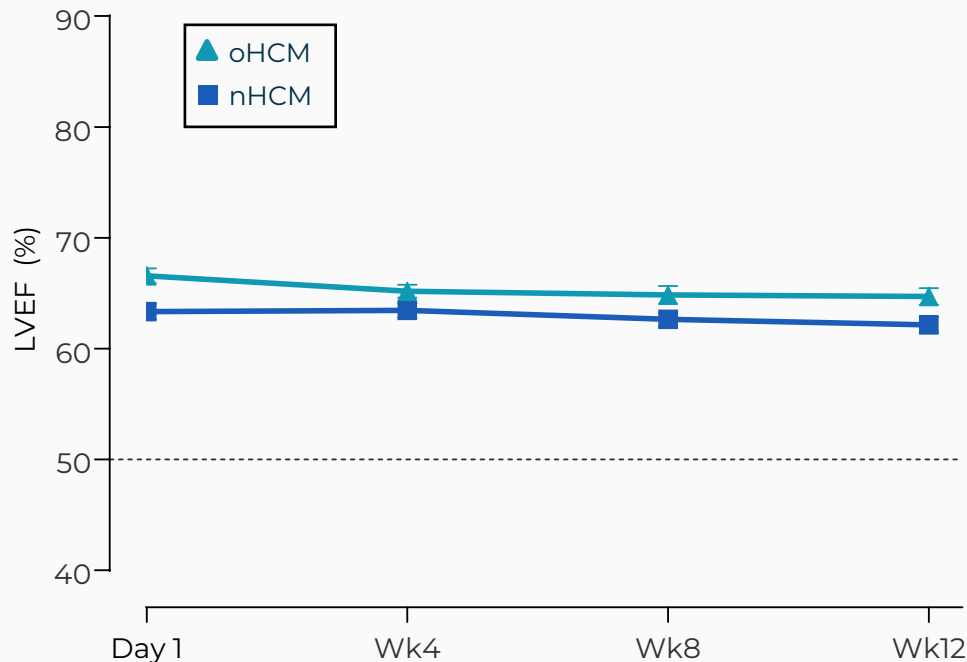
Baseline Characteristics

Characteristic	oHCM (n=20)	nHCM (n=33)
Demographics		
Age (yrs), mean (SD)	59 (13)	49 (16)
Female, n (%)	9 (45%)	15 (45%)
BMI (kg/m ²), mean (SD)	29 (4)	27 (4)
NYHA Class		
Class II, n (%)	14 (70%)	26 (79%)
Class III, n (%)	6 (30%)	7 (21%)
Family History / Pathogenic mutation, n (%)	9 (45%)	22 (67%)
Concomitant HCM Therapy		
Beta Blockers, n (%)	15 (75%)	20 (61%)
Calcium Channel Blockers, n (%)	2 (10%)	2 (6%)

Characteristic	oHCM (n=20)	nHCM (n=33)
Echocardiographic Parameters		
LVEF (%), mean (SD)	67 (3)	63 (4)
LVOT-G Resting (mmHg), mean (SD)	40 (20)	7 (3)
LVOT-G Valsalva (mmHg), mean (SD)	85 (30)	8 (5)
Wall thickness (mm), mean (SD)	18 (3)	20 (5)
Patient-reported Outcome Measures		
KCCQ-OSS, mean (SD)	61 (23)	61 (19)
KCCQ-CSS, mean (SD)	65 (21)	66 (18)
Laboratory Measures		
NT-proBNP (pg/ml), geometric mean / median [IQR]	387 / 406 [220-664]	781 / 753 [423-1598]
hs-cTnI (pg/ml), geometric mean / median [IQR]	19 / 16 [7 - 36]	56 / 42 [13 - 161]

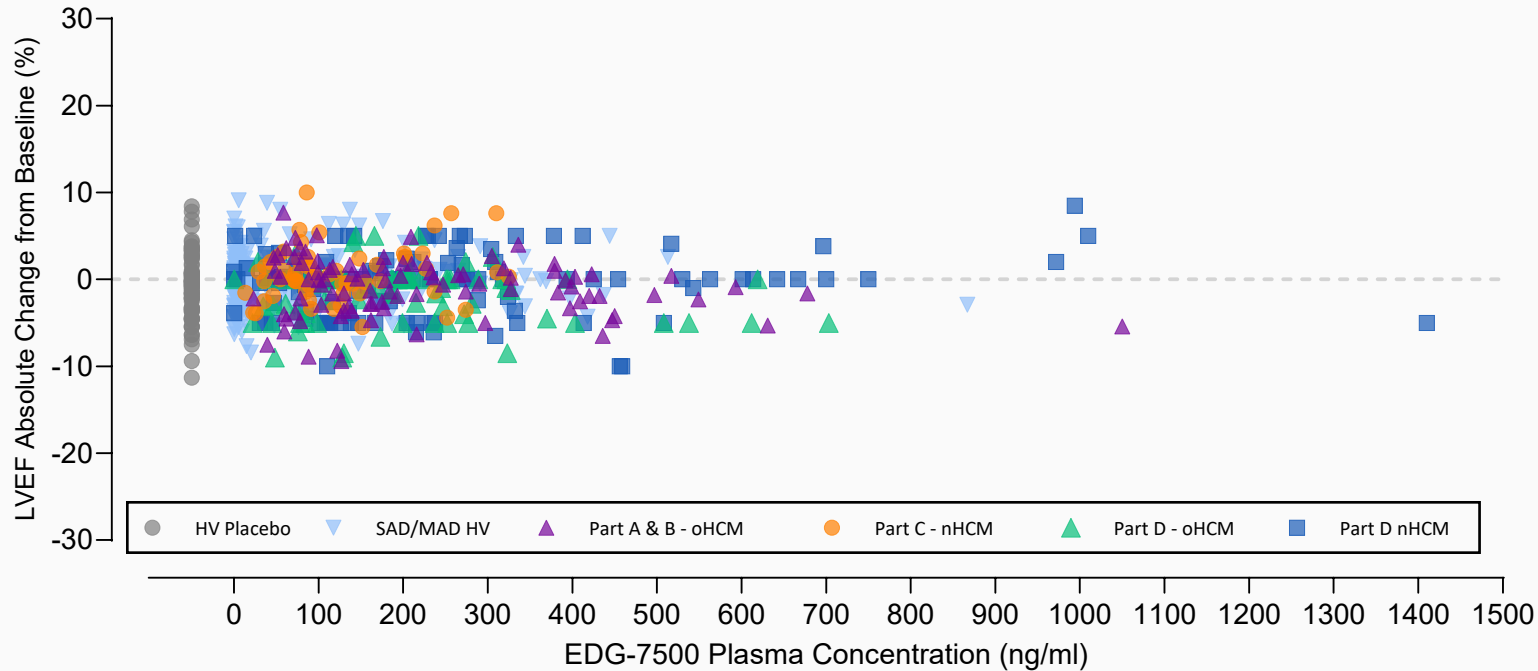
Left Ventricular Systolic Function

No Clinically Meaningful Change in LVEF Observed with EDG-7500



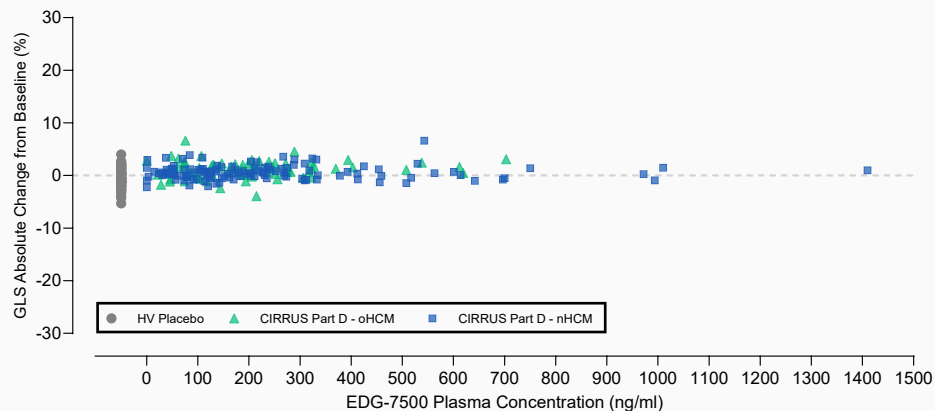
- No reductions in LVEF to below 50%
- No clinical heart failure or hospitalizations due to drops in LVEF

No Correlation Between EDG-7500 Exposure and LVEF Change

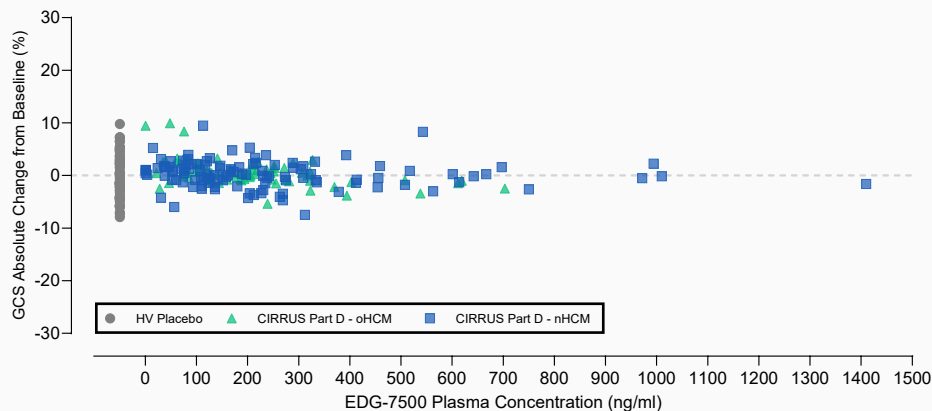


No Correlation Between EDG-7500 Exposure and GLS or GCS Change

Global Longitudinal Strain (GLS)



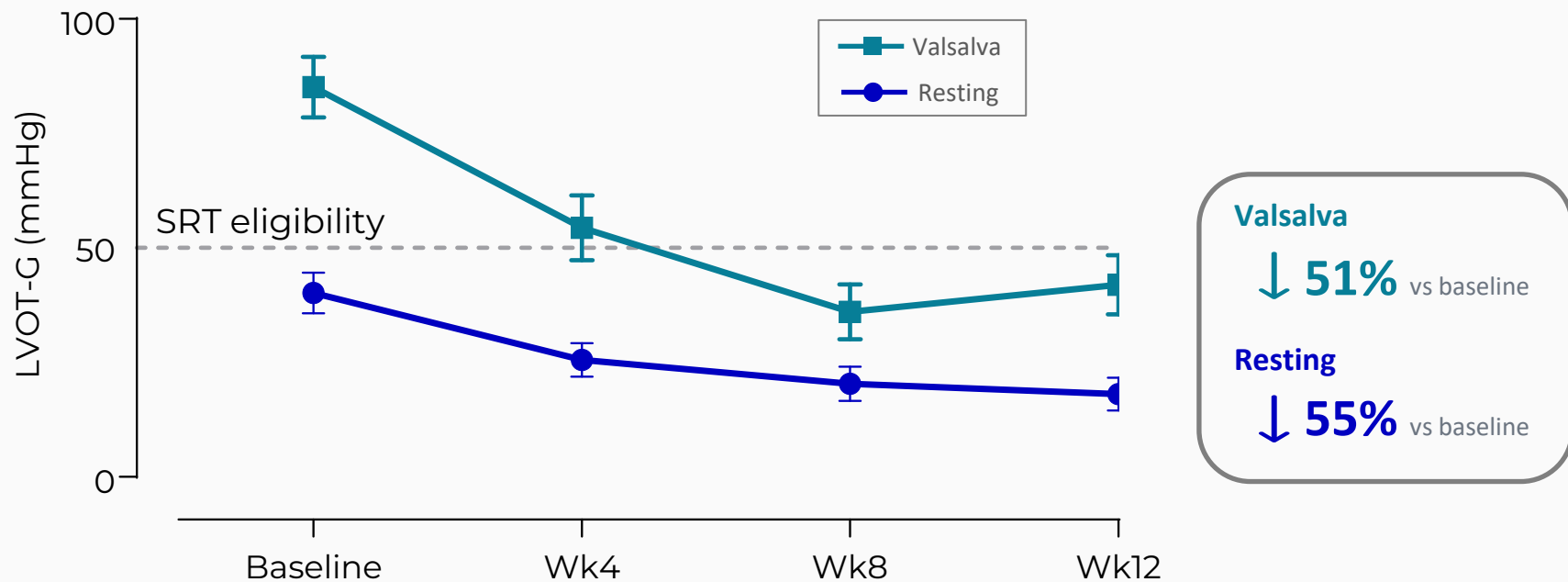
Global Circumferential Strain (GCS)



oHCM Efficacy Results

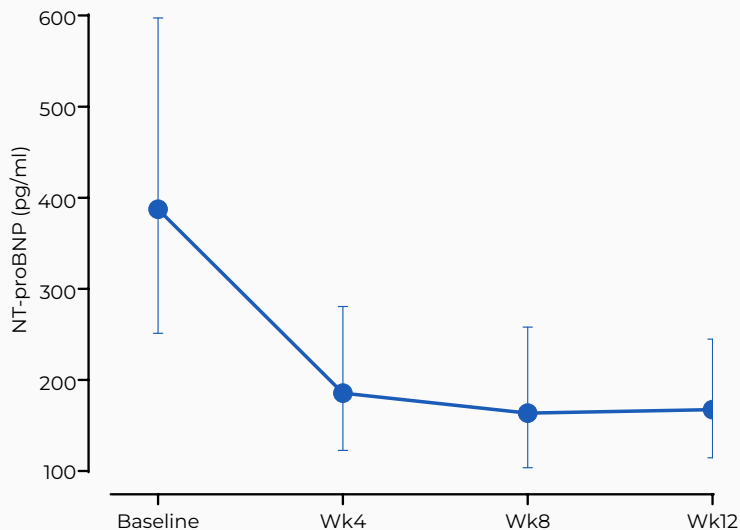
Clinically Meaningful Improvement in LVOT Gradient Observed in 90% of oHCM Participants¹

oHCM

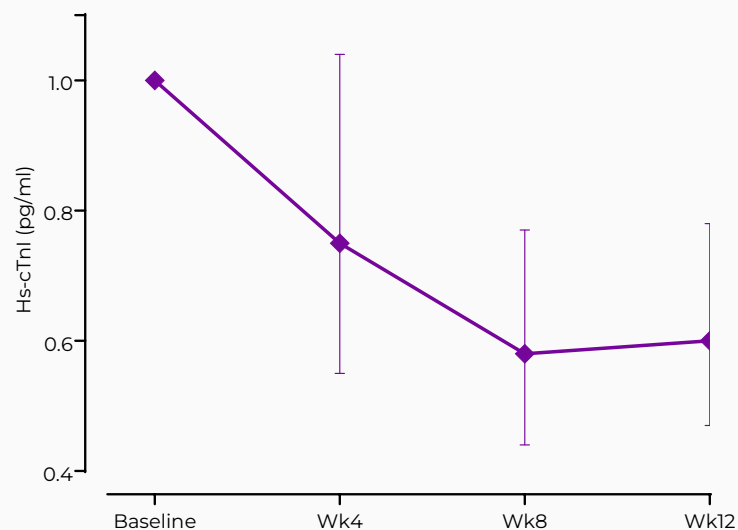


Improvements in Cardiac Biomarkers

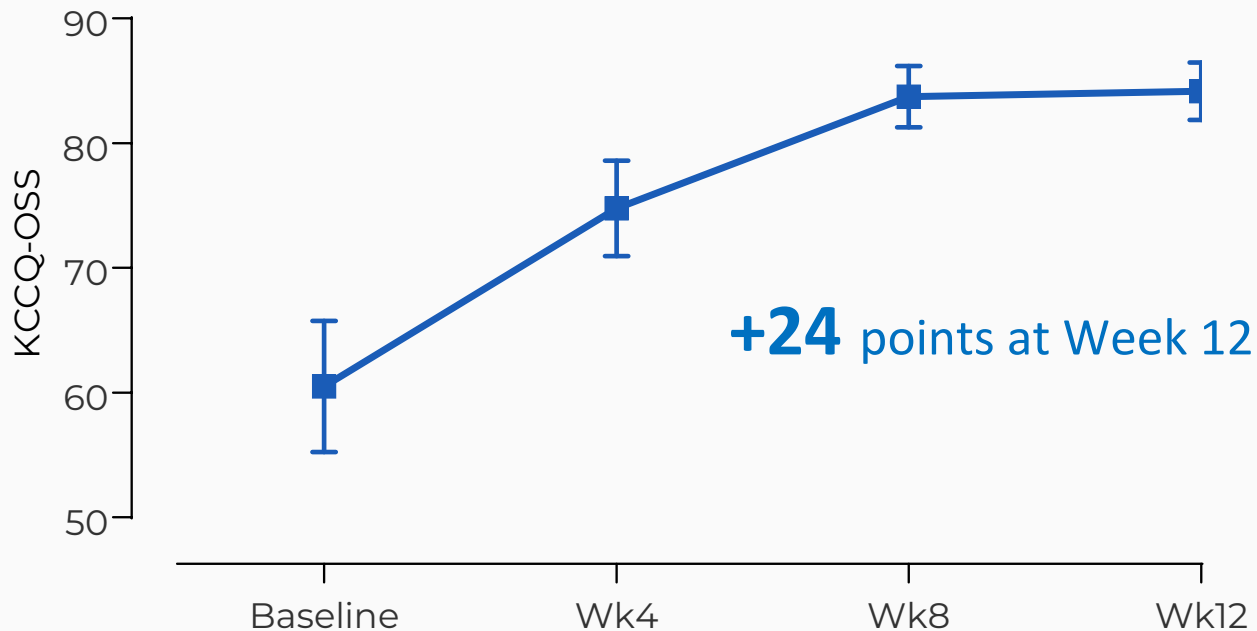
NT-proBNP (geometric mean)
56% decrease from baseline to Week 12



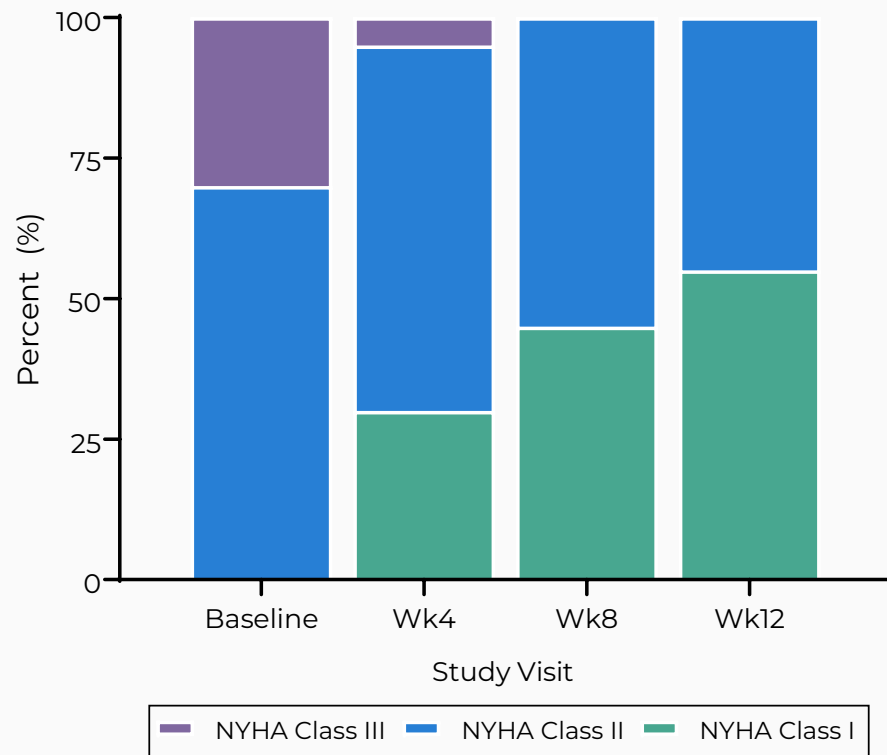
Hs-cTnI (geometric mean ratio)
40% decrease from baseline to Week 12



Very Large (≥ 20 points) Increase in KCCQ-OSS at Week 12



Rapid and Sustained Improvements in NYHA Class



55%

NYHA Class I by Week 12

70%

≥1 NYHA class improvement at Week 12

50%

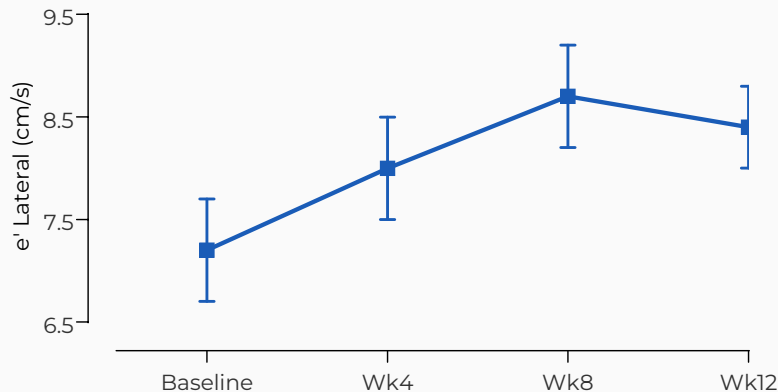
NYHA Class III at baseline improved to NYHA Class I at Week 12

Improvements in Echo Measures of Diastolic Function

oHCM

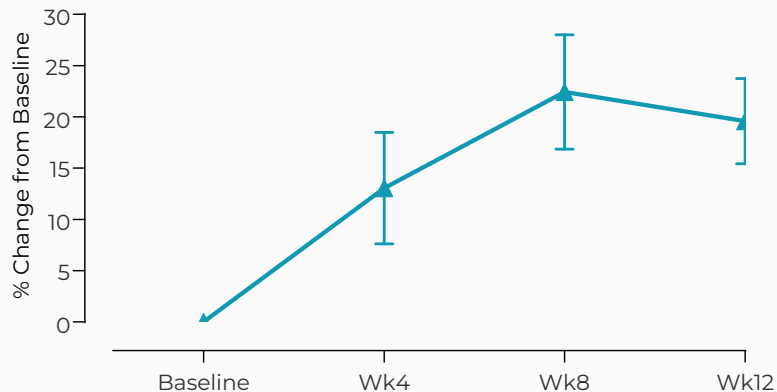
+1.2 cm/s

Improvement in e' lateral at Week 12



+20%

Improvement in e' lateral at Week 12



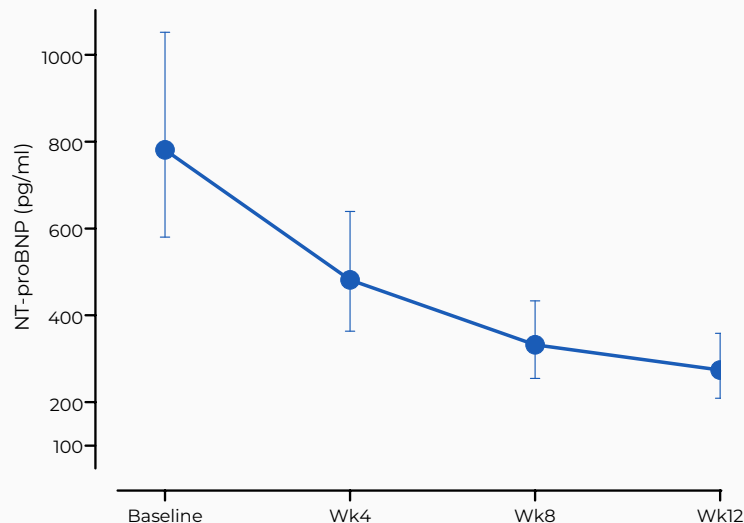
nHCM Efficacy Results

Improvements in Cardiac Biomarkers

nHCM

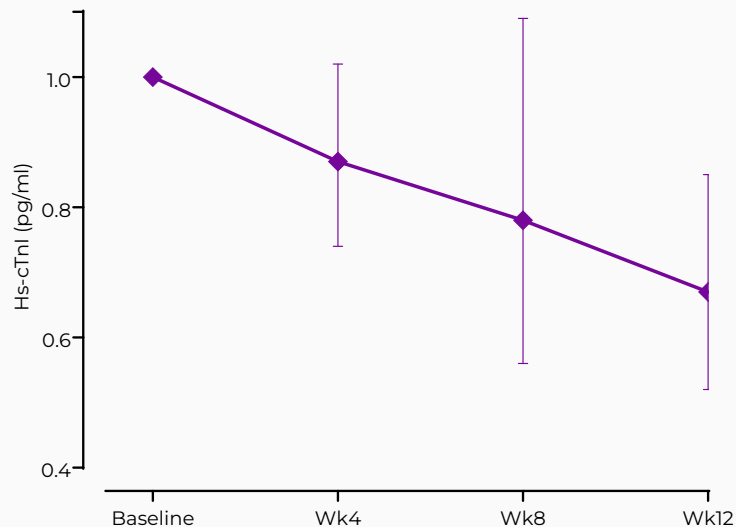
NT-proBNP

65% decrease from baseline to Week 12



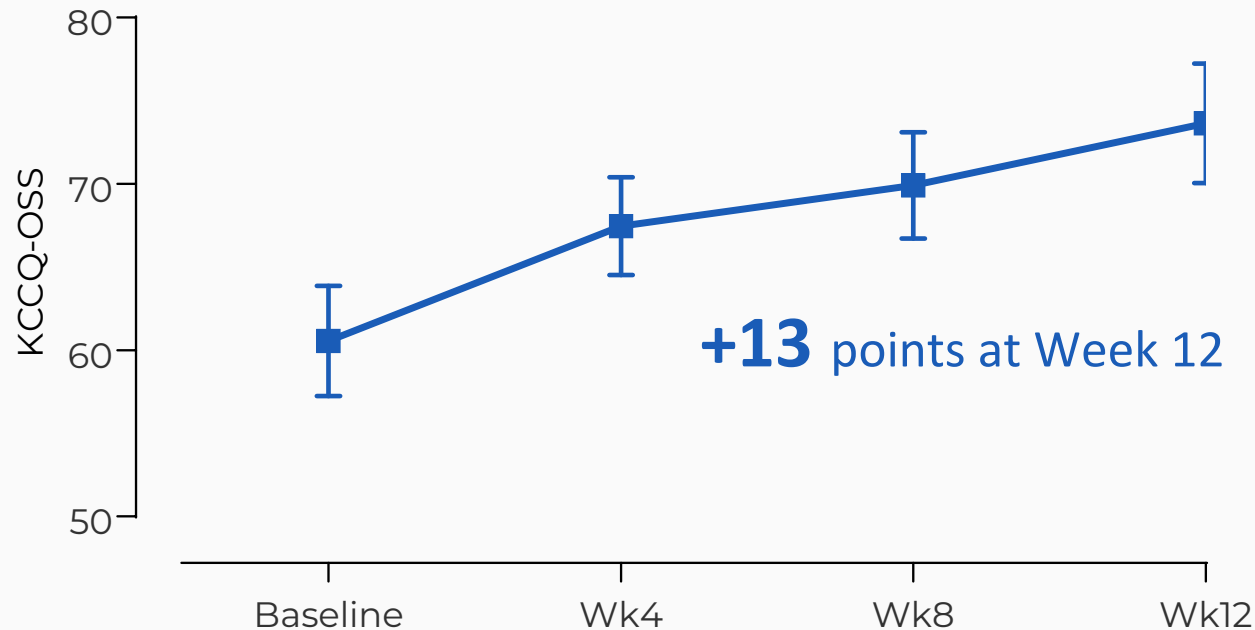
hs-cTnI

33% decrease from baseline to Week 12



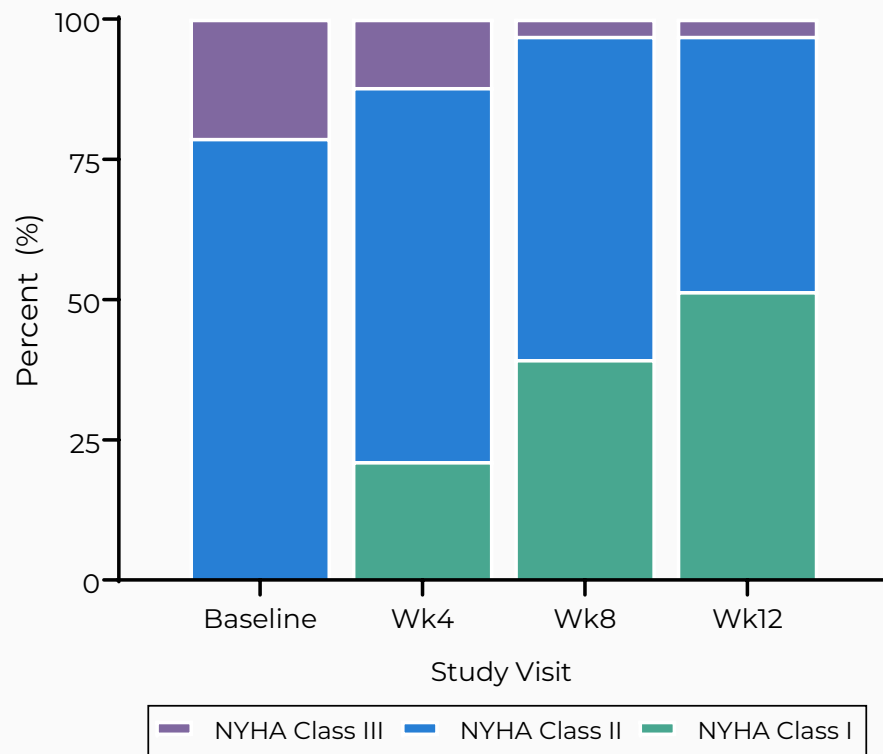
Large (≥ 10 points) Improvement in KCCQ-OSS at Week 12

nHCM



Rapid and Sustained Improvements in NYHA Class

nHCM



52%

NYHA Class I by Week 12

64%

≥1 NYHA class improvement at Week 12

29%

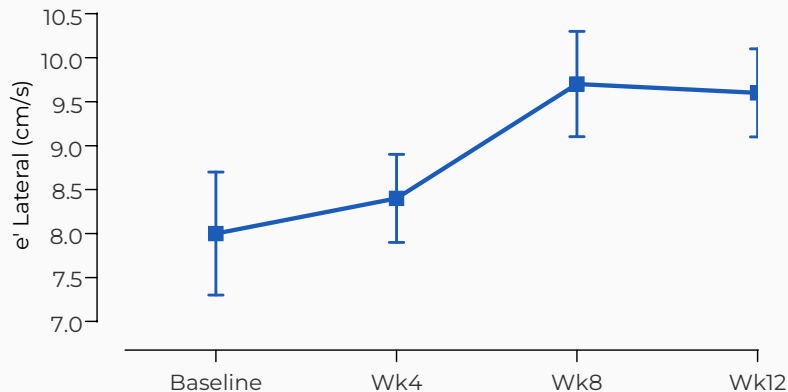
NYHA Class III at baseline improved to NYHA Class I at Week 12

Improvements in Echo Measures of Diastolic Function

nHCM

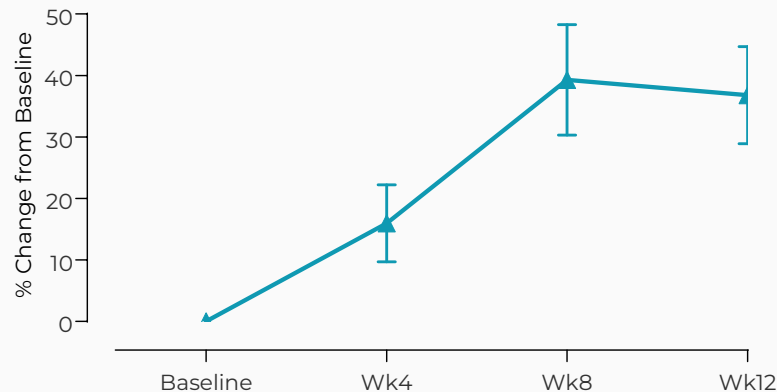
+1.6 cm/s

Improvement in e' lateral at Week 12



+37%

Improvement in e' lateral at Week 12



Safety Summary

12-weeks of EDG-7500 was Well Tolerated with No LVEF < 50%

Treatment Emergent Adverse Events (TEAEs)

Participants with ≥ 1 TEAE, n (%)	34 (64%)
Mild	23 (43%)
Moderate	9 (17%)
Severe	2 (3.8%)

Serious Adverse Events (SAEs)

Participants with ≥ 1 SAE – Related, n (%)	0 (0%)
Participants with ≥ 1 SAE – Unrelated, n (%)	5 (9.4%)

Other Cardiac Safety Events

New onset AF/AFL, n (%)	2 (3.8%)
Treatment emergent HF, n (%)	0 (0%)
LVEF <50% (with or without symptoms), n (%)	0 (0%)
Dose reductions based on LVEF, n (%)	0 (0%)

EDG-7500: Summary and Next Steps

- **Novel once-daily mechanism with potential for differentiated safety profile**
 - >240 participants exposed to EDG-7500 to date (all studies)
 - No measurable change in global systolic performance
 - No observed LVEF <50%
 - No observed HF events
- **Clinical meaningful improvements** observed across multiple endpoints following 12-weeks of once-daily EDG-7500 in patients with oHCM and nHCM
- Initial echocardiographic data consistent with a **direct lusitropic effect**
- Phase 3 on track to initiate by **4Q 2026**

Thank You!

We would like to thank all the investigators, coordinators, site staff,
and **especially the patients who participated in this trial.**

The advancement of **new therapies to patients** can only happen
with your incredible efforts and commitment to clinical research!

