



EMPOWERING EMPOWERING

Forward-Looking Statements

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Our Mission

To bring forward new medicines to improve the healthspan of people with devastating cardiovascular and neuromuscular diseases of impaired muscle function.



A Commitment to Muscle-Directed Cardiac Medicines

| Pr | rotein Target | Therapeutic Area | Drug Candidate | Research | Pre-Clinical | Phase 1 | Phase 2 | Phase 3 | Approval |
|---------|-------------------------------|------------------------------|-----------------------|----------|--------------|---------|---------|---------|--|
| Myosin |) | оНСМ | Aficamten | | | | | | U.S. PDUFA date 9/26/2 China NDA & EU MAA o |
| | | oHCM (Monotherapy*) | Aficamten | | | | | | |
| | Myosin-Targeted | Pediatric oHCM | Aficamten | | | | | | |
| | Therapy | nHCM | Aficamten | | | | | | |
| | | HFpEF | СК-586 | | | | | | |
| | | HFrEF | Omecamtiv Mecarbil | | | | | | |
| roponin | Troponin- Targeted Therapy | Muscular Dystrophy, other | СК-089 | | | | | | |
| | Other Biology | Muscle Biology Directed | Research | | | | | | |

*Pending results from MAPLE-HCM, an ongoing Phase 3 clinical trial evaluating for the potential superiority of aficamten as monotherapy compared to metoprolol as monotherapy in patients with obstructive HCM. All drug candidates above are investigational products and are not approved as safe or effective for any indication.

Strong Financial Position

Strengthened balance sheet & access to capital to execute launch & advance R&D pipeline

~\$1.3B in cash, cash equivalents and investments as of September 30, 2024

| Further access to capital through term loans ^[1] with Royalty Pharma (RP) | Eligible to draw up to \$175m in 2025 ^[2] Access to additional \$175m ^[3] subject to conditions | | |
|--|--|--------|--|
| Potential further funding through RP opt-in | RP, at its option, can invest up to \$150M in a Phase 3 trial of CK-586 in exchange for an additional 3.5% revenue participation interest in worldwide net sales of CK-586 ^[4] | \$500M | |

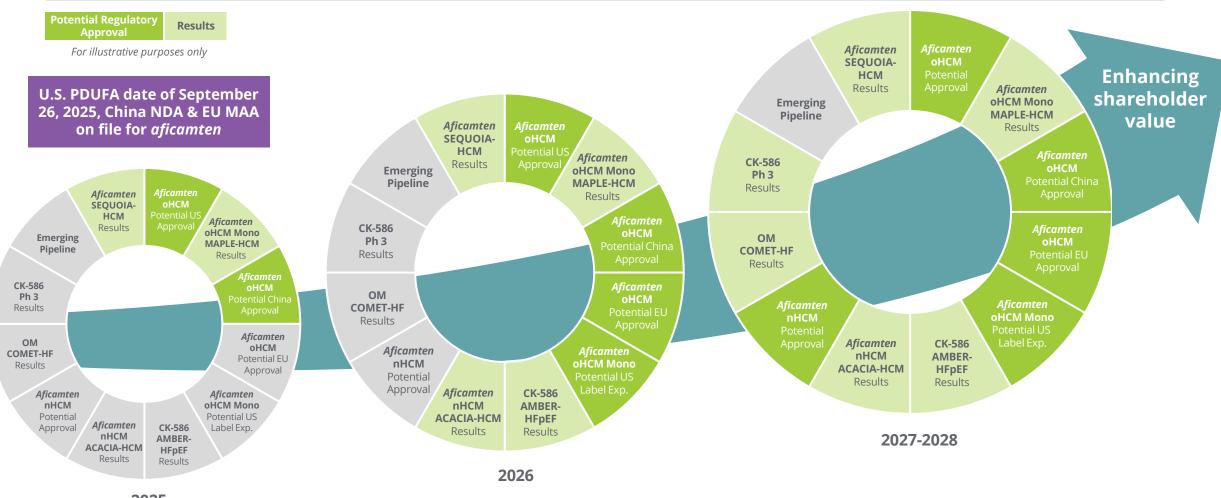
[1]Term loans are comprised of Tranche 4, 5, and 7 Loans

[2]Tranche 4: Cytokinetics is eligible to draw up to \$75m by April 3, 2025. The minimum draw for tranche 4 is \$50m. Tranche 5: Cytokinetics, at its option, is eligible to draw up to \$100m by November 24, 2025. [3]Tranche 7: Cytokinetics, at its option, is eligible to draw up to \$175m subject to conditions related to the approval of the NDA for aficamten in oHCM on or prior to December 31, 2025.

[4]Royalty Pharma currently has a revenue participation interest of 1.0% of worldwide net sales of CK-586.



Myosin Platform Fuels Multiple Milestones and Increased Value



2025

Aficamten, omecamtiv mecarbil and CK-586 are investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.

VISION2030

Empowering Muscle, Empowering Lives

To be the leading muscle-focused specialty biopharma company intent on meaningfully improving the lives of patients through global access to our innovative medicines

INNOVATION

Advance 2 approved products across 3 indications and 10 NMEs in our pipeline

O IGNITION

Achieve broad access and rapid use of our medicines in >15 countries throughout North America and Europe

o impact

Reach >100,000 patients globally with our medicines

INSPIRATION

Foster a patient-centric culture with emphasis on equitable access

INGENUITY

Extend leadership in muscle biology deploying multiple therapeutic modalities

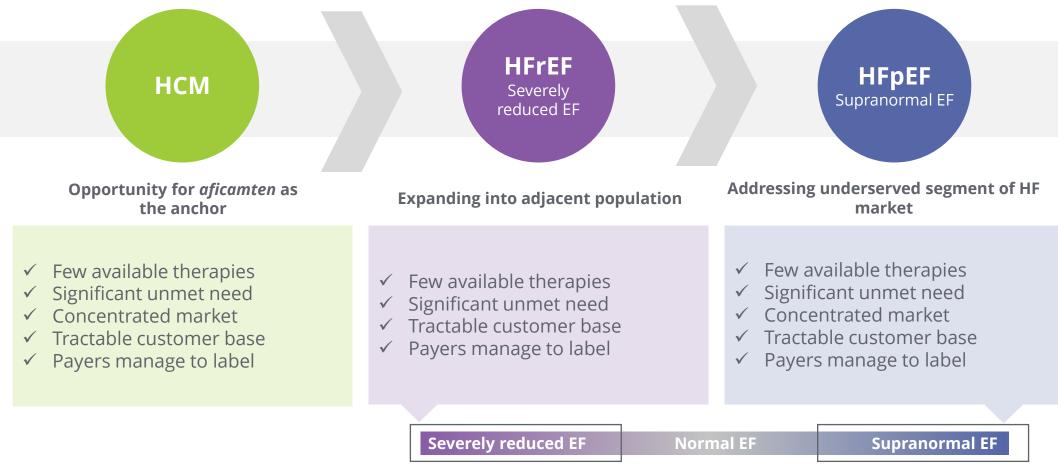
Building a Specialty Cardiology Franchise



The following slides contain information about investigational agents that have not been approved by the U.S. Food & Drug Administration (FDA) or any regulatory agency .The safety and efficacy of these investigational agents have not been established.

Addressing Difficult to Treat Populations Within Heart Failure

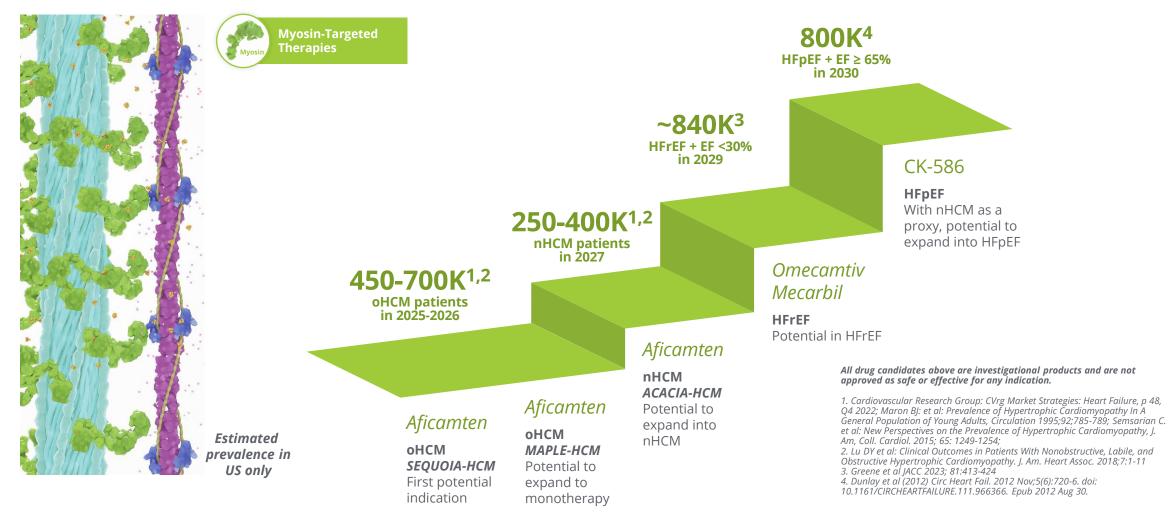
Specialty cardiology franchise strategy applies to markets with similar characteristics



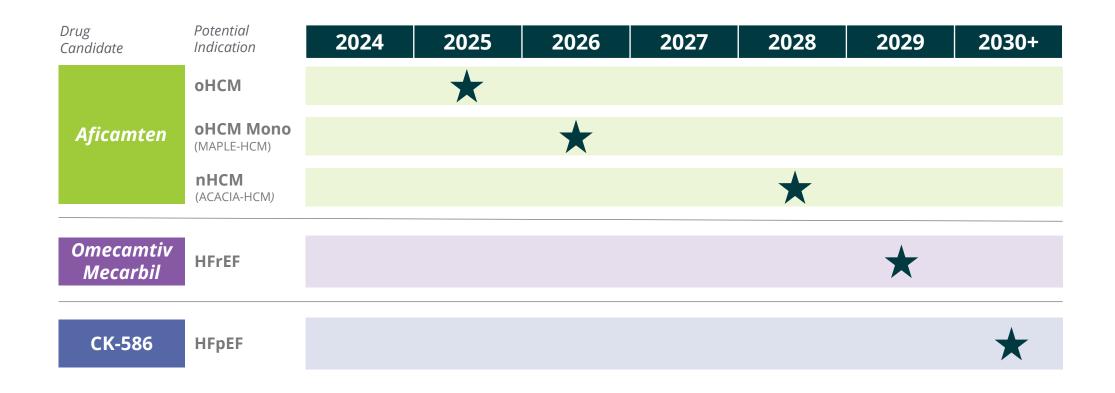
Aficamten, omecamtiv mecarbil and CK-586 are investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.

Building a Specialty Cardiology Franchise Anchored by Aficamten

Potential patient market for specialty cardiology franchise strategy



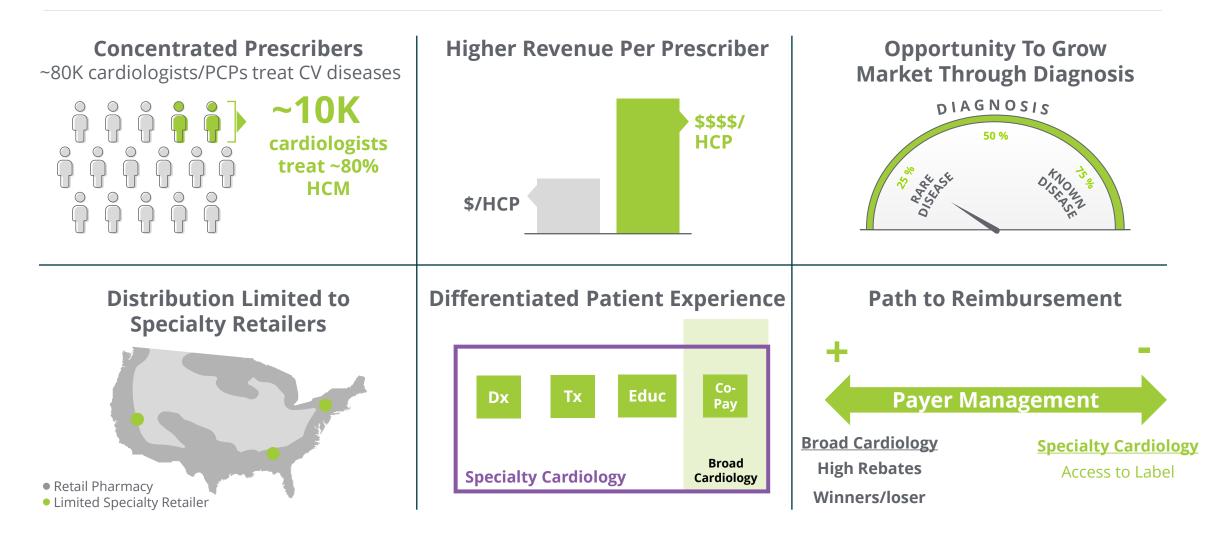
Potential for Multiple Specialty Cardiology Launches



Aficamten, omecamtiv mecarbil and CK-586 are investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.

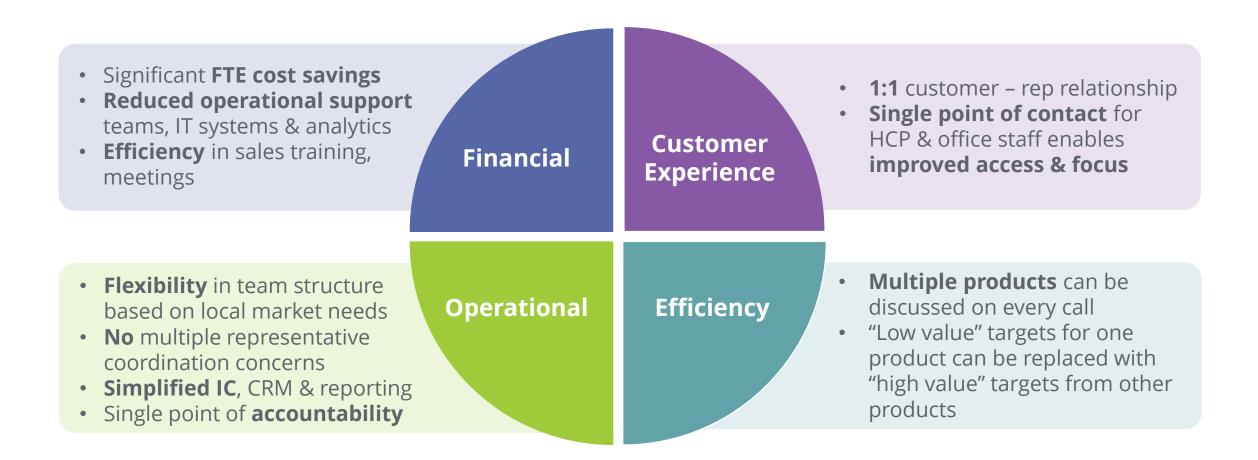


Specialty Cardiology Business Has Potential for High ROI





Potential Benefits of a Specialty Cardiology Franchise





HCP-Directed HCM Awareness Campaign Launched



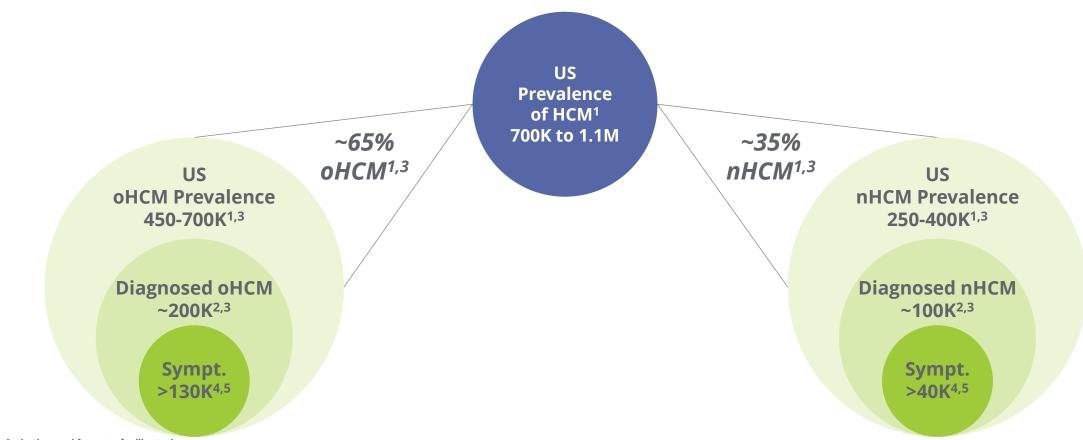


Aficamten



Aficamten is an investigational agent and has not been approved for use by the U.S. Food & Drug Administration (FDA) or any regulatory agency. The safety and effectiveness of this product have not been established.

Opportunity for CMIs in Diagnosed, Symptomatic HCM Patients



Projections and forecasts for illustration.

1. Cardiovascular Research Group: CVrg Market Strategies: Heart Failure, p 48, Q4 2022; Maron BJ: et al.: Prevalence of Hypertrophic Cardiomyopathy In A General Population of Young Adults, Circulation 1995;92;785-789; Semsarian C. et al: New Perspectives on the Prevalence of Hypertrophic Cardiomyopathy, J. Am, Coll. Cardiol. 2015; 65: 1249-1254; 2. DoF: SHA; Symphony PTD (Patient Transaction Data): Includes patients diagnosed since 2016 and having any HC transaction in the claims data universe in the last year June 2022-May 2023); 3. Lu DY et al: Clinical Outcomes in Patients With Nonobstructive, Labile, and Obstructive Hypertrophic Cardiomyopathy. J. Am. Heart Assoc.2018;7:1-11

4. DoF: SHA Symphony PTD (Patient Transaction Data) includes any patients with symptoms in the last 2 years: angina, dyspnea, fatigue, palpitations, syncope, tachycardia; and/or treatments in the past 2 years: bb, ccb, dyso, ralo, Camzyos;

5. DoF Primary market research: 443 HCPs treating HCM - % of nHcM patients not considered under control with current SOC.

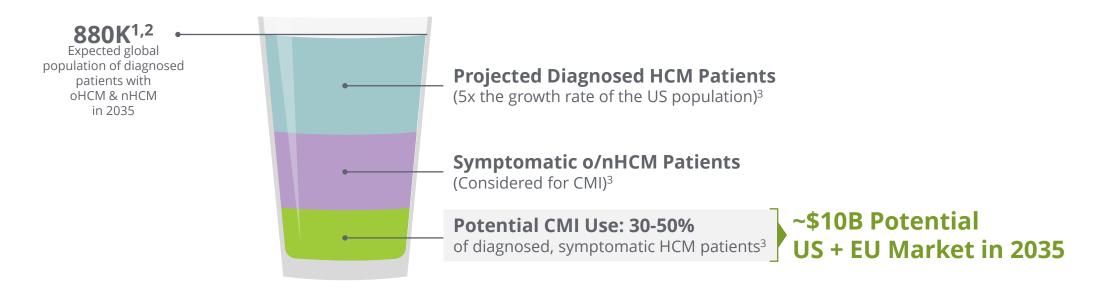


\$10B Potential Market of CMI-Eligible Patients

Diagnosis of HCM anticipated to grow 5x the rate of the general U.S. population

US and EU HCM Patients in 2035

Illustrative



1. DoF: SHA; Symphony PTD (Patient Transaction Data): Includes patients diagnosed since 2016 and having any HC transaction in the claims data universe in the last year June 2022-May 2023);

2. Butzner et al 2021 estimated a 8% growth rate in diagnosed HCM patients between 2013-2019 <u>https://www.ajconline.org/article/S0002-9149(21)00783-9/fulltext</u>; CYTK is forecasting an average growth rate of 5% over the coming decade and a more conservative 4% growth rate in Europe due to a lack of growth of the overall population in EU5 countries.

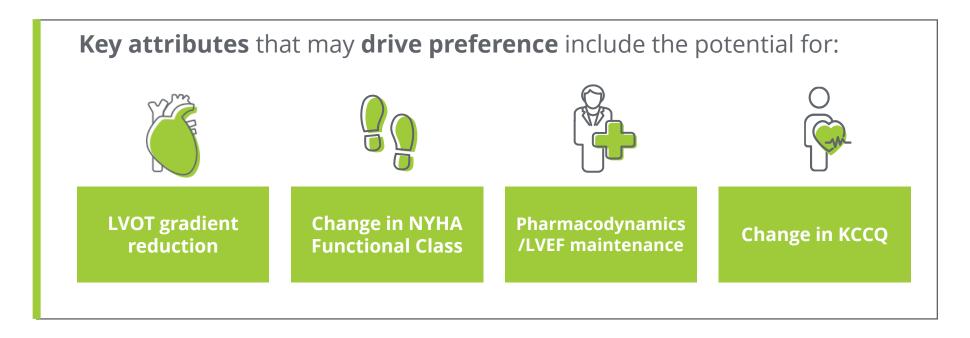
3. Internal forecasts

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established. Projections and forecasts for illustration.



Market Research Shows *Aficamten* May Achieve High Share & Grow Category

 If approved with target profile, aficamten may expand total CMI market & create opportunity in newly treated CMI patients



Source: Aficamten Impact of Product Attributes on Product Preference Share n=443 cardiologists, Quantitative research including conjoint – Cogent Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



SEQUOIA-HCM: Pivotal Phase 3 Trial



Primary endpoint: Change in pVO₂ by CPET from baseline to Week 24

Secondary objectives include measuring change in KCCQ & improvement in NYHA class at week 12 and 24

Enrolled 282 patients treated with standard of care with:

- resting LVOT-G ≥30 mmHg,
- post-Valsalva LVOT-G ≥50 mmHg,
- NYHA Class II or III,
- exercise performance <80% predicted

Individualized dose up-titration based on echocardiography: LVEF ≥55%, post-Valsalva LVOT-G ≥30 mmHg

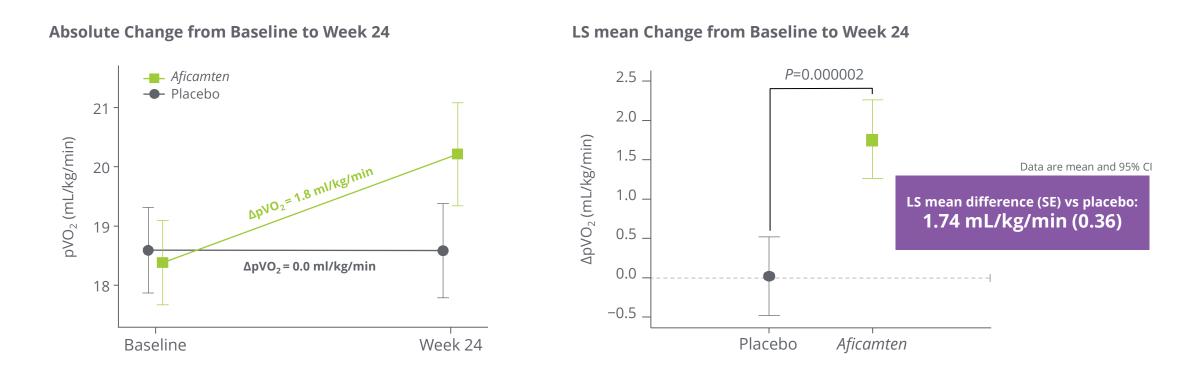
| Patients with oHCM treated with SOC with post-Valsalva peak LVOT-G ≥50 mmHg & NYHA class II/III | Screening | Randomization | | | | | <i>Aficamte</i> Placebo | - | | | End of Study |
|---|--------------|---------------|-----|----|--------------|----|----------------------------|-----|--------------------|-----|--------------|
| Study Visits | reen | D1 | W2 | W4 | W6 | W8 | W12 | W16 | W20 | W24 | W28 |
| Echocardiogram | | | ▲* | ▲* | ▲* | ▲* | | | | | |
| CPET | | | | | | | | | | | |
| KCCQ | | | | | | | | | | | |
| NYHA | | | | | | | | | | | |
| Dose Titration | | | | | | | | | | | |
| | Dose 5 mg | | ons | | se o mg (| | zation co 15 mg | | by Week 20 mg (| | |

Aficanten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

SEQUOIA-HCM: Primary Endpoint Significant improvement in exercise capacity compared to placebo



Results presented at Heart Failure 2024 and published in *NEJM*

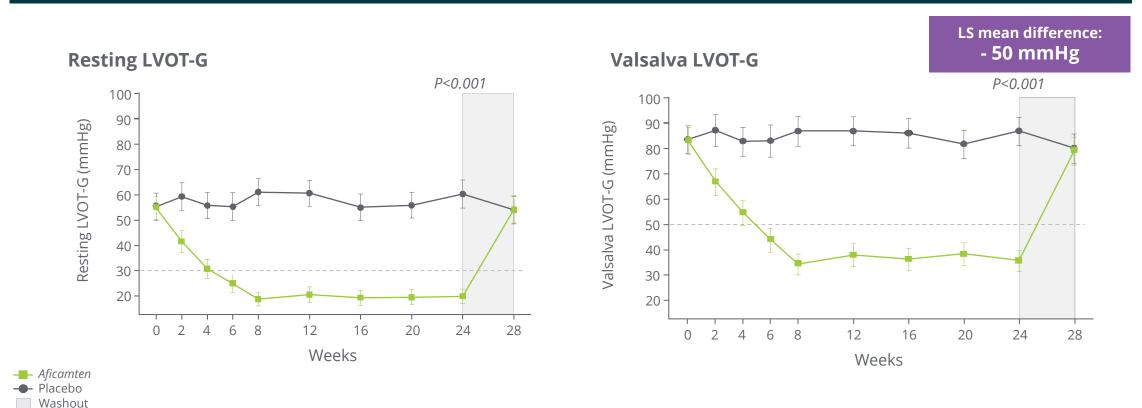


Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.





Significant improvement in gradients by ~60% with no significant adverse change in LVEF





Hegde S, et al. Impact of Aficamten on Echocardiographic Cardiac Structure and Function in Symptomatic Obstructive Hypertrophic Cardiomyopathy. JACC. 2024. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



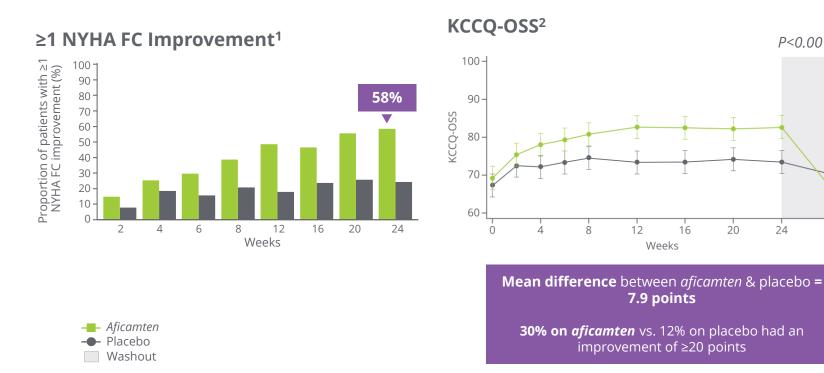
P<0.001

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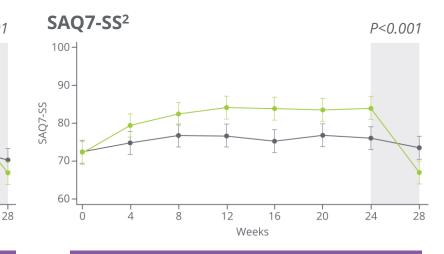
24

16

Significant improvement in patient symptom burden and quality of life



Maron M. "Aficamten for the Treatment of Symptomatic Obstructive Hypertrophic Cardiomyopathy". ESC Heart Failure 2024. Sherrod C, et al. Effect of Aficamten on Health Status Outcomes in Obstructive Hypertrophic Cardiomyopathy: Results from SEQUOIA-HCM. JACC. 2024. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



Mean difference between aficamten & placebo = 7.8 points

31% on aficamten vs. 14% on placebo had an improvement of \geq 20 points



SEQUOIA-HCM: Safety Data

.



AEs with \geq 5% incidence

There were no serious adverse cardiovascular events associated with aficamten treatment in **SEQUOIA-HCM**

| Event, n (%) | Placebo (n=140) | <i>Aficamten</i> (n=142) |
|--|--------------------|-----------------------------|
| Overall AEs | 99 (70.7) | 105 (73.9) |
| Headache | 10 (7.1) | 11 (7.7) |
| Hypertension | 3 (2.1) | 11 (7.7) |
| Palpitations | 4 (2.9) | 10 (7.0) |
| Upper respiratory infection | 12 (8.6) | 9 (6.3) |
| COVID-19 | 9 (6.4) | 8 (5.6) |
| Dyspnea | 8 (5.7) | 8 (5.6) |
| SAEs | 13 (9.3) | 8 (5.6) |
| Cardiac AEs | 21 (15.0) | 24 (16.9) |
| Discontinuations | 4 (2.9) | 5 (3.5) |
| New-onset AF | 1 (0.7) | 1 (0.7) |
| Appropriate ICD shock | 1 (0.7) | 0 |
| LVEF <50% by core laboratory ^a | 1 (0.7) | 5 (3.5) |
| Dose reduction based on site-read LVEF <50% | 1 (0.7) | 7 (4.9) |

^a 1 placebo- and 1 aficamten-treated patient overlap with dose reduction based on site-read LVEF <50%.

| Journal of the American Heart Association | an ation. |
|--|--------------|
| ORIGINAL RESEARCH | |
| Dosing and Safety Profile of Aficamten in Symptomatic Obstructive Hypertrophic Cardiomyopathy: Results From SEQUOIA-HCM | |
| Carcine J. Costs [®] , Ahmad Mart [®] , MD, MS, McHrael E. Nassit, MD, MS Hocheb Barrises Wie, MD, PhC, Mohai Anzel, MD, MN, Nuno Cardin [®] , MD, PhC; Lubra Choudhury [®] , MD, MRCPR, Bran Claggette [®] , PhC, Hans-Dirk KD, Gragen, MD, PhC; Pholo Garcia-Panek [®] , MD, PhC, Brate A. Hogigo [®] , MC, James L. Januzzi, [®] , MD; Matthew M, Y. Lae [®] , PhD, MBCHB, Gregory D, Lewis [®] , MC, Chang-Shang Ma, [®] , MD, [®] HC, Matthew M, [®] , Lewis [®] , MD, MBCHB, Gregory D, Lewis [®] , MC, Chang Shang Ma, [®] , MD, [®] HC, [®] , McHand M, [®] , MD, [®] , McHand [®] , McHand [®] , MD, [®] , PhC, [®] , MD, [®] HC, [®] , Matthew M, [®] , Lae [®] , PhD, MBCHB, [®] , Report [®] , PhD, [®] , MD, [®] HC, [®] , MD, [®] , MD, [®] , MD, [®] , MD, [®] , PhC, [®] , MD, [®] , PhC, [®] , MD, [®] , PhC, [®] , Phane [®] , Manne, [®] , MD, [®] , PhC, [®] , MD, [®] , PhC, [®] , Panel [®] , MD, [®] , PhC, [®] , Phol [®] , Phane, [®] , Shane [®] , ND, [®] , PhC, [®] , MD, [®] , PhC, [®] , Panel [®] , MD, [®] , PhC, [®] , Phane, [®] , PhC, [®] , Phane, [®] , Shane [®] , ND, [®] , PhC, [®] , Any [®] , Wohlman, [®] , ME, [®] , PhC, [®] , PhC, [®] , Phol [®] , Sculloui - Add M, Norsetgalians, [®] | |

ACKGROUND: Aficamten, a novel cardiac myosin inhibitor, reversibly reduces cardiac hypercontractility in obstructive hyper ophic cardiomyopathy. We present a prespecified analysis of the pharmacokinetics, pharmacodynamics, and safety o ficamten in SEQUOIA-HCM (Safety, Efficacy, and Quantitative Understanding of Obstruction Impact of Aficamten in HCM).

METHODS AND RESULTS: A total of 282 patients with obstructive hypertrophic cardiomyopathy were random ter musion we exact six hotai or zac parenter win operatorie hypertopric cardiomoppany wire randomato 1: 10 daiy incamente 5-20 mg o pracebo between o February 1, 2022, card May 15, 2023. Altament kooing tagetade the lowest effects we dowe for achieving alte-httppsted Valsaka let vertinicular outflow tract gradient -20 mmHg with let vertinicular ejection storio (LVEF) 250%. End points were evaluated during thration (day 1 to week 8), maintenance (weeks 8–20), and washout needed 24–28), and included major advense cardiae events, new-onset athal fibration, implantatio cardiownthe-differentiar termines (24–28), and included major advense cardiae events, new-onset athal fibration, implantatio cardiownthe-differentiar methogs LVET JOS, not taken men anythe assessments are the weak 6, 5 min, 1226, 555, and 48 min of patient strength 2, 1227, 305, not taken the strength anythe strength 2, 1228, 135, and 48 min of patient strength, 15, 15, and 20 min global registry by Basine characteristics was enabled accoss groups. A Learnier concen-tration nonsead by Jose and remained stable during martenance. During the teatment period, LUEF document by p-195 (C, -1, 31 - 0, per 100) nmin, discontine exposure. Sewer the teatment period, LUEF document by p-doce induction for site-integrated LUEF <505. There were no treatment interruption or heart failure worsamp for LUEF <505. No ming a streame calcionaccute works wave associated with failaritins, and thermative research streames of the site of the si vere similar between treatment groups, including atrial fibrillation.

CONCLUSIONS: A site-based dosing algorithm targeting the lowest effective aficamten dose reduced left ventricular outflow ract gradient with a favorable safety profile throughout SEQUOIA-HCM.

GISTRATION: URL: https://www.clinicaltrials.gov; Unique Identifier: NCT05186818

nce to: Caroline J. Coats, MD, PhD, School of Cardiovascular and Metabolic Health, College of Medical, Veterinary and Life Sciences, Glasgov ar Research Centre (IGCRC), BHF Centre of Research Excellence, 126 University Place, University of Glasgow, Glasgow G12 8TA, Glasgow, or Email: cardiotic context Relationate and A

soript was sent to Sakima A. Smith, MD, MPH, Associate Editor, for review by expert referees, editorial

Material is available at https: ces of Funding and Disclosures, see page 12.

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4 The Authors and Cytokinetics. Published on behalf of the American Heart Association, Inc., by Wiley. This is an open access article under the ter earlive Commons Attribution License, which permits use, distribution and reproduction in any medium, provided the original work is properly cited. 44 is available at: www.ahajournals.org/jour

Am Heart Assoc. 2024;13:e035993. DOI: 10.1161/JAHA.124.035993

AE, adverse event; SAE, serious adverse event.

Coats CJ. Dosing and Safety Profile of Aficamten in Symptomatic Obstructive Hypertrophic Cardiomyopathy. ESC Heart Failure 2024.

Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



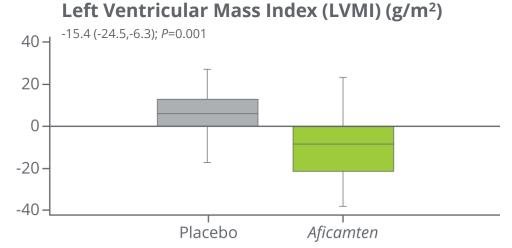
SEQUOIA-HCM: CMR Sub-Study



Aficamten associated with favorable cardiac remodeling

Among 50 of the 284 eligible patients who opted to complete the CMR sub-study there was:

- Significant improvement in LVMI
- Favorable cardiac remodeling as demonstrated by reductions in:
 - Left ventricular maximal wall thickness
 - Left atrial volume index (LAVI)
 - Extracellular volume mass index (ECVi)



Masri A, et al. Effect of Aficamten on Cardiac Structure and Function in Obstructive Hypertrophic Cardiomyopathy: SEQUOIA-HCM CMR Substudy. JACC. 2024. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Integrated Safety Analysis

Analysis represents 206 patient-years* of exposure to *aficamten*



- <4% of patients experienced LVEF <50%</p>
- **0 dose terminations** due to LVEF <40%
- <1% of echocardiograms performed led to a reduction in dose
- No difference in atrial fibrillation between placebo and *aficamten*

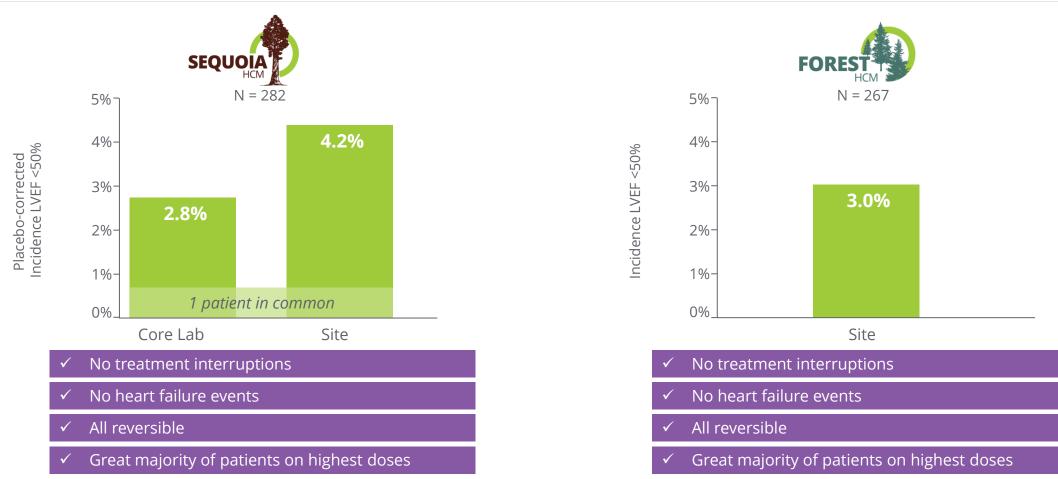
| | Cumulative ^a <i>aficamten</i> -treated pool | Placebo-controlled pool ^b | | |
|---|--|---|-----------------------------|--|
| | Aficamten | Aficamten | Placebo | |
| Number of participants | 283 | 170 | 153 | |
| LVEF <50% ^c , n (%) | 11 (3.9) | 9 (5.3) | 1 (0.7) | |
| LVEF <50% with clinical HF | 0 | 0 | 1 (0.7) | |
| Atrial fibrillation | 12 (4.2) | 4 (2.4) | 5 (3.3) | |
| New onset | 5 (1.8) | 1 (0.6) | 3 (2.0) | |
| Recurrent | 7 (2.5) | 3 (1.8) | 2 (1.3) | |
| ^a Parent and extension studies. ^b Placebo-con | trolled pool of REDWOOD-HCM | 1 and SEQUOIA-H | CM. ^c Site read. | |

*Median exposure: 6-months, range of exposure: 0-32 months

Integrated Safety Analysis to reflect real world clinical application.

IMasri A. Aficamten in Patients with Obstructive Hypertrophic Cardiomyopathy: An Integrated Safety Analysis. ESC 2024. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

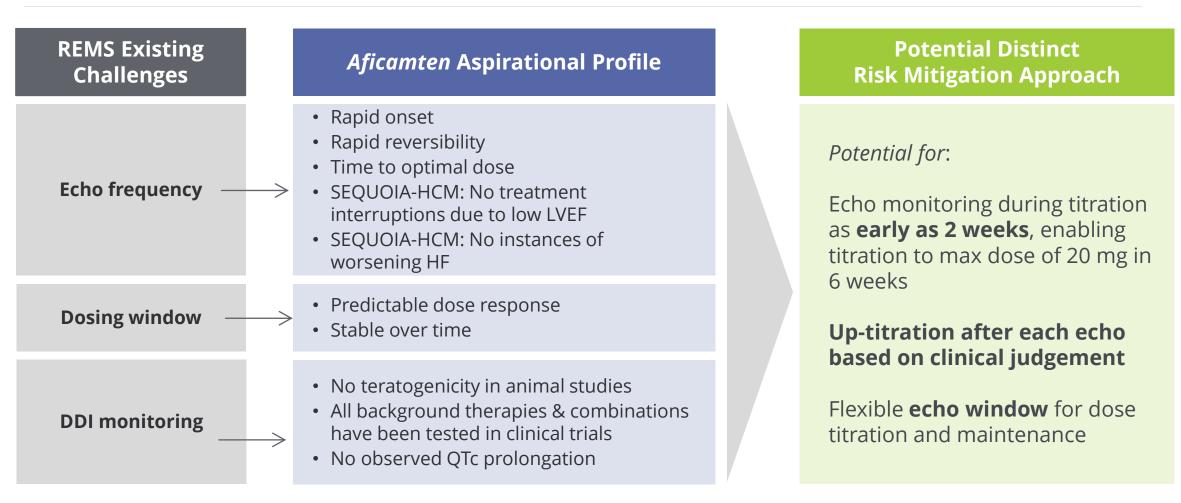
Implementation of Dosing in Real-World Setting (FOREST-HCM) Low incidence of LVEF <50% in patients with oHCM treated with *aficamten*



SEQUOIA-HCM Source: Coats CJ. Dosing and Safety Profile of Aficamten in Symptomatic Obstructive Hypertrophic Cardiomyopathy. ESC Heart Failure 2024. FOREST-HCM Source: Data on file – data cut 15 Apr 24.

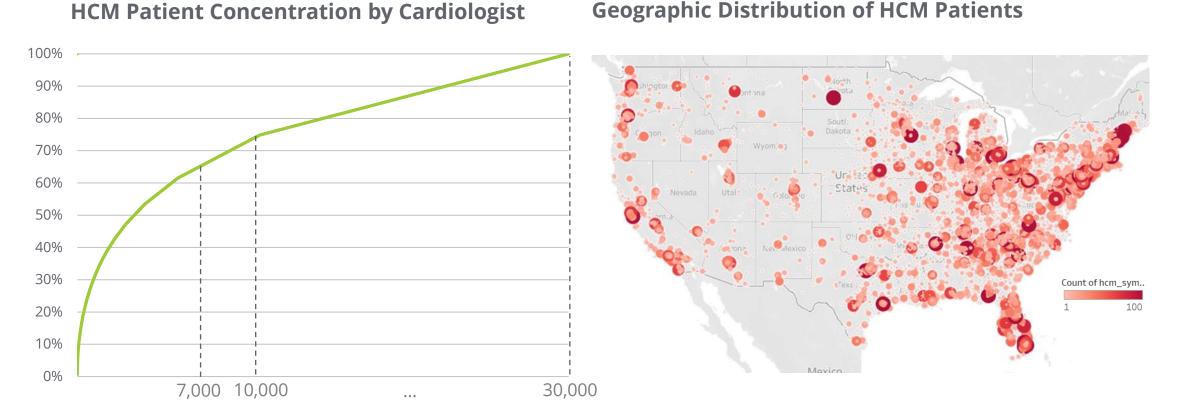
Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Aspirational Profile of Aficamten & Results from SEQUOIA-HCM Inform Potential Distinct Risk Mitigation



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Cardiologists Located in Concentrated Geographic Clusters Across the US ~75% of the HCM patient volume is treated by ~10,000 cardiologists



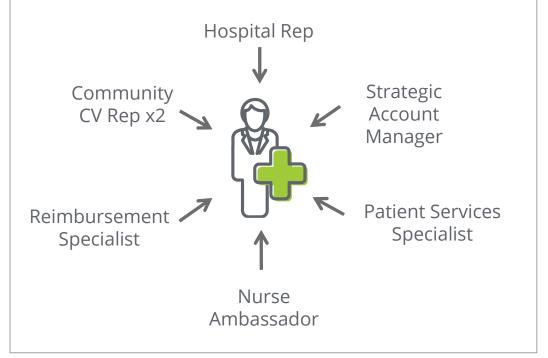
Note: includes only patients who are treated by a cardiologist - not all patients see a cardiologist; sample of 67K HCM patients Source: Symphony PTD (Patient Transaction Data); mapping of HCPs to HCOs using Definitive Healthcare Data 2023 and 7/2023 mapping; Patient volume by dominant Cardiologist Location 7/2023. Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



U.S. Sales Team Designed Based on Efficiency & Customer Feedback

Traditional Models

Several functions with very focused roles Overwhelmed customers, "It's too much"



Our Design Principles

Simple model creating quality experience Hire team with deep experience in specialty

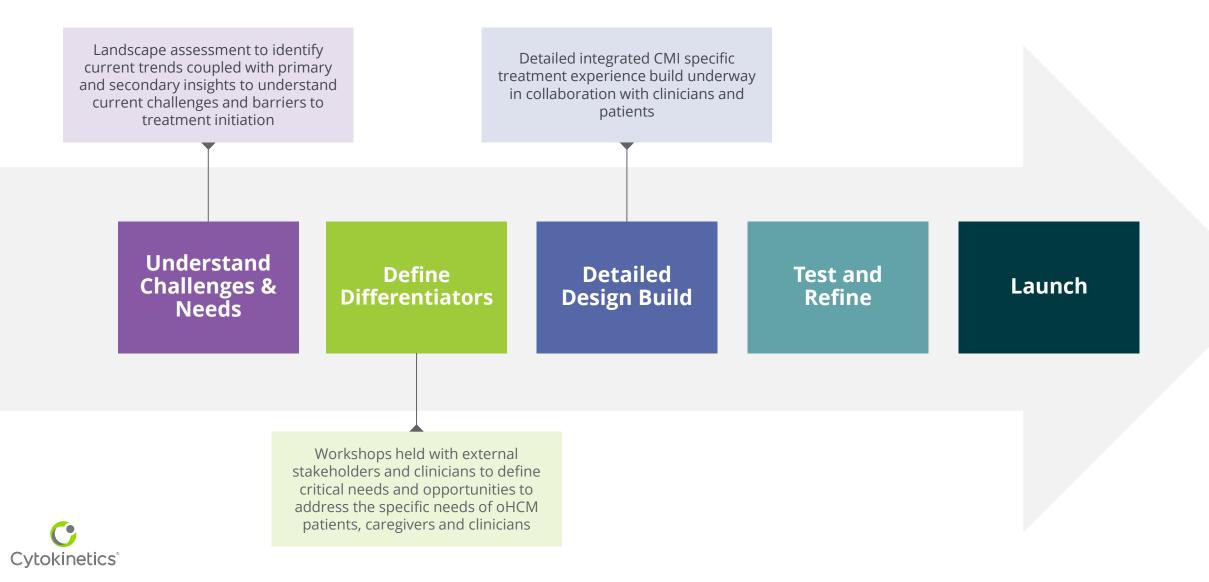


CV Account Specialist (HCP Journey)

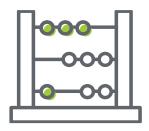
Patient Services Specialist (Patient Journey)



Building a Bespoke Treatment Experience



Strategy in Place to Support Market Access at Launch









Payer value proposition strengthened with clinical & HEOR evidence PIE engagements with key payer accounts

Channel & dispensing strategy designed to enhance patient experience Patient support services will provide robust priorauthorization & medical exception support

PIE: Pre-Approval Information Exchange HEOR: Health Economics & Outcomes Research



Advancing EU Launch Readiness Activities

Key Hires in Zug & Munich



Highly experienced hires in Zug, Switzerland in Regulatory, Medical Affairs, Commercial, Market Access



Highly experienced hires in Munich, Germany including General Manager, Medical Director



Multiple product launches in cardiology & oncology both orphan & non-orphan indications



Proven track record of successfully navigating pricing, reimbursement & market access in Europe





Design the EU distribution model & select EU 3PL

| ٦ | 2 | |
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Support the MIA (Manufacturing & Importation Authorization)



Develop regulatory & labeling strategy



Start implementing all needed processes to support German launch:

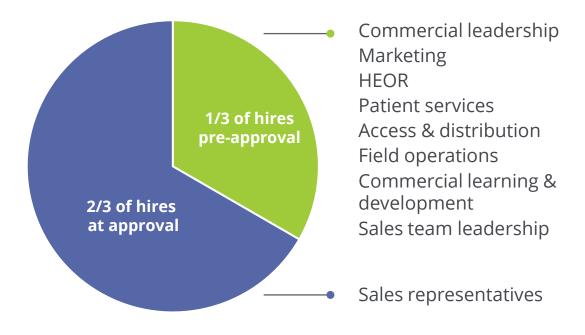
- Market understanding (prescribers concentration curves, patient journey...)
- HTA Dossier writing for P&R process



Gated Build of Commercial Infrastructure

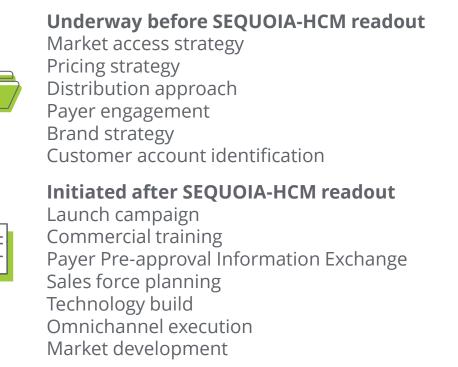
Sales representative hiring to occur in proximity to approval

2/3 of hiring to occur at-approval



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

Activities initiated upon key de-risking events



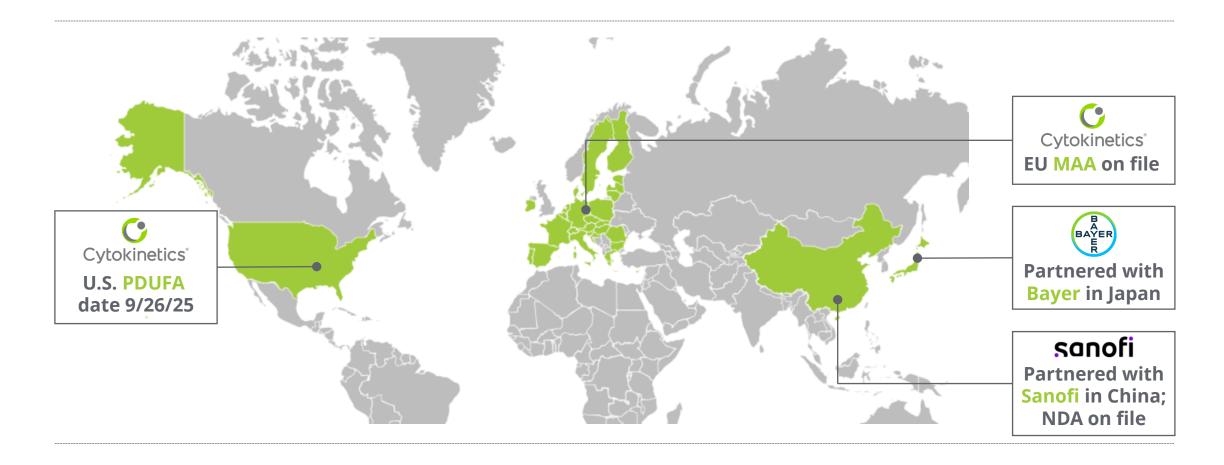


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Initiated upon or in Proximity to FDA approval Media purchases Patient support programs



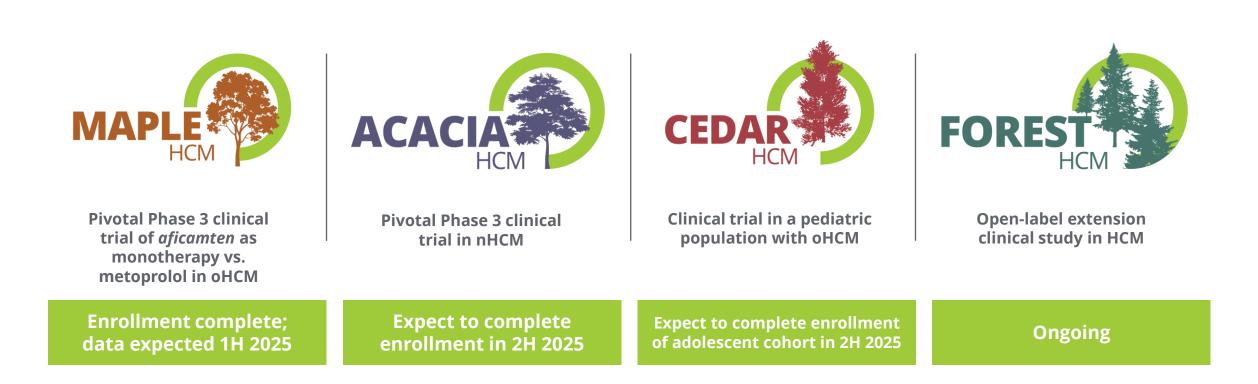
Expected Global Presence of Aficamten in Major Markets



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



Ongoing Clinical Trials of Aficamten



Aficamten is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



Omecamtiv Mecarbil



Omecamtiv mecarbil is an investigational agent and has not been approved for use by the U.S. Food & Drug Administration (FDA) or any regulatory agency. The safety and effectiveness of this product have not been established.

Omecamtiv Mecarbil: Potential for High-Risk Severe HF Patients Despite GDMT

Efficient, pragmatic Phase 3 clinical trial

High Unmet Need

The large and growing heart failure population faces frequent hospitalizations, high mortality rates, comorbidities, and challenges staying on GDMT. Despite SGLT2 inhibitors, patients remain at significant risk.

Market Opportunity

18% of 7.1M patients with HFrEF have worsening heart failure (LVEF <30%)

Estimated 8+ years of market exclusivity



IANUARY 14, 202

Cardiac Myosin Activation with Omecamtiv Mecarbil in Systolic Heart Failure

J.R. Teerlink, R. Diaz, G.M. Felker, J.J.V. McMurray, M. Metra, S.D. Solomon, K.F. Adams, I. Anand, A. Arias-Mendoza, T. Biering-Gorensen, M. Böhm, D. Bonderman, J.G.F. Cleland, R. Corbalan, M.G. Crespo-Leiro, U. Dahlstörn, L.E. Echtverria, J.C. Fang, G. Filippato, C., Corasce, F. Goncalvesova, A.R. Goudev, J.G. Howlett, D.E. Lanfear, J. Li, M. Lund, P. Macdonald, V. Mareev, S. Momornura, E. O'Meara, A. Parkhomenko, P. Ponikowski, F.J.A. Ramires, P. Serpyik, K. Shwa, J. Spinar, T.M. Suter, J. Tomcannyi, H. Vandekerchove, D. Vinereanu, A.A. Voors, M.B. Yilmaz, F. Zannad, L. Sharpsten, J.C. Legg, C. Varin, N. Honarpour, S.A. Abbasi, F.J. Malik, and C.E. Kurz, for the GALACTIC-H Finvestigators*

ABSTRACT

GROUND

The selective cardiac myosin activator omecamtiv mecarbil has been shown to improve cardiac function in patients with heart failure with a reduced ejection fraction. endix. Address reprint requests to D Its effect on cardiovascular outcomes is unknown erlink at San Fra logy, 111C, Bldg 101 Rm 14 49 4150 C We randomly assigned 8256 patients (inpatients and outpatients) with symptomatic chronic heart failure and an ejection fraction of 35% or less to receive mecamtiv mecarbil (using pharmacokinetic-guided doses of 25 mg, 37.5 mg, or 50 mg twice daily) or placebo, in addition to standard heart-failure therapy. The primary outcome was a composite of a first heart-failure event (hospitalization or ided in the Supple wailable at NEIM org. urgent visit for heart failure) or death from cardiovascular causes. 13, 2020, at NEJM.org. During a median of 21.8 months, a primary-outcome event occurred in 1523 of N Engl J Med 2021;384:105-16 4120 patients (37.0%) in the omecamtiv mecarbil group and in 1607 of 4112 pa- DOI: 10.1056/NEIM002022 tients (39.1%) in the placebo group (hazard ratio, 0.92; 95% confidence interval [CI], 0.86 to 0.99; P=0.03). A total of 808 patients (19.6%) and 798 patients (19.4%), respectively, died from cardiovascular causes (hazard ratio, 1.01; 95% CI, 0.92 to 1.11). There was no significant difference between groups in the change from baseline on the Kansas City Cardiomyopathy Ouestionnaire total symptom score. At week 24, the change from baseline for the median N-terminal pro-B-type natriuretic peptide level was 10% lower in the omecamtiv mecarbil group than in the placebo group; the median cardiac troponin I level was 4 ng per liter higher. The frequency of cardiac ischemic and ventricular arrhythmia events was similar in the two groups. Among patients with heart failure and a reduced ejection, those who received

Among patients with heart failure and a reduced ejection, those who received omecantiv meachil had a lower incidence of a composite of a beart-failure event or death from cardiousacular causes than those who received placebo. (Funded by Angen and others; GALACTIC-HF ClinicalTrials.gov number, NCT02929329; EadraCT number, 2016-002299-28.)

Ph 3 clinical trial results in 8,000 patients point to important treatment benefit

point: time

HF events,

/AD, or

| lanning onfirmatory Ph 3 ial, n= ~1,800, 3 years to ompletion | Primary end to CV death, l transplant/LV stroke |
|---|--|
|---|--|

C

Larger treatment benefit in patients with lower LVEF and other markers of advanced HF

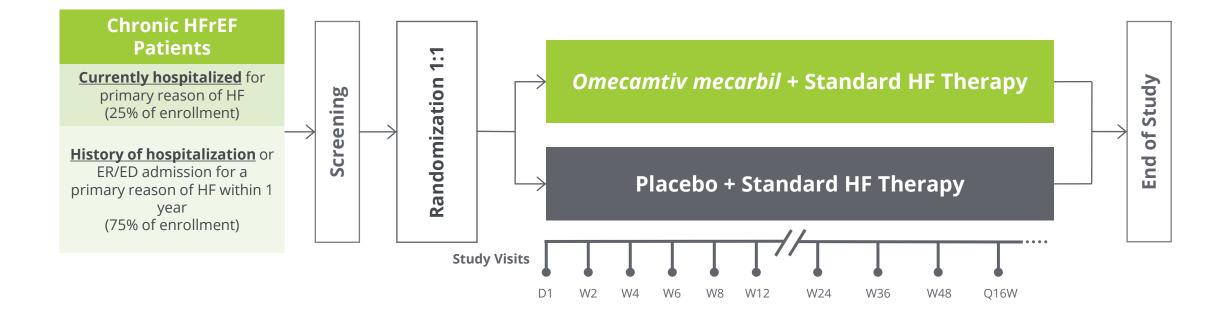
Pragmatic design elements including EHR screening, limited monitoring visits, remove visits, and limited safety labs & AE reporting



GALACTIC-HF: Clinical Trial Overview Phase 3 clinical trial



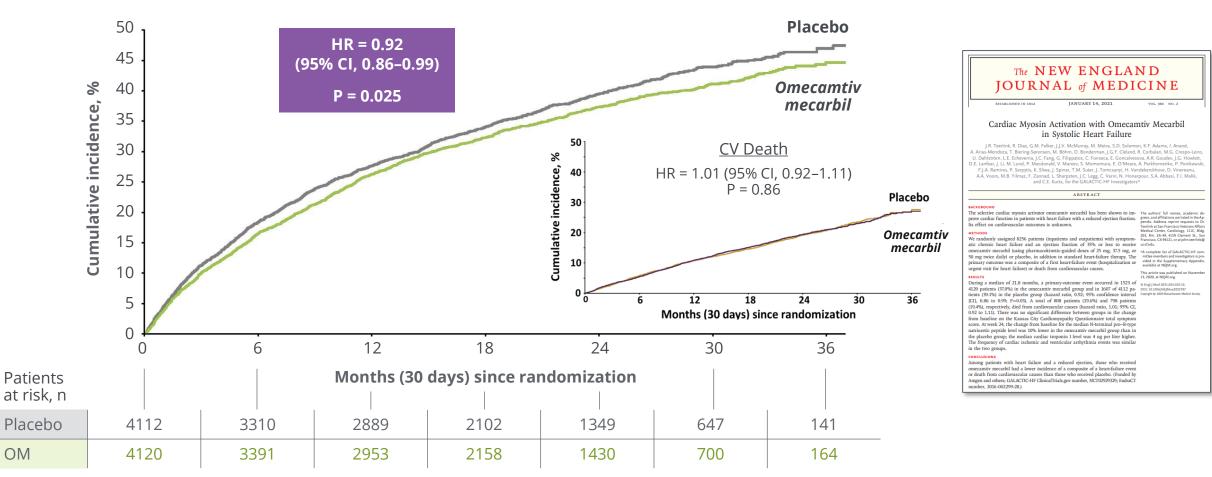
Event-driven clinical trial; 8,256 patients randomized in 35 countries at 944 clinical trial sites





Primary Composite Endpoint

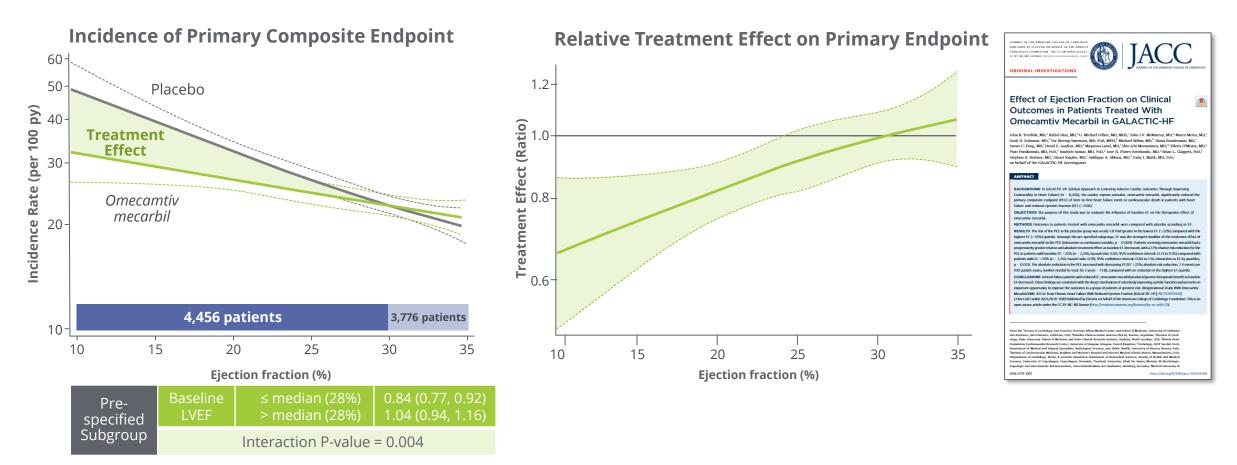




Time to first HF event or CV death



Benefit Observed to Increase as Baseline LVEF Decreased



ARR = Absolute Risk Reduction. RRR = Relative Risk Reduction.

Teerlink JR., Diaz R., Felker GM., et al. Effect of Ejection Fraction on Clinical Outcomes in Patients treated with Omecamtiv Mecarbil in GALACTIC-HF. JACC. 2021 Omecamtiv mecarbil is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



Large Treatment Effect in Easily Defined HF Population

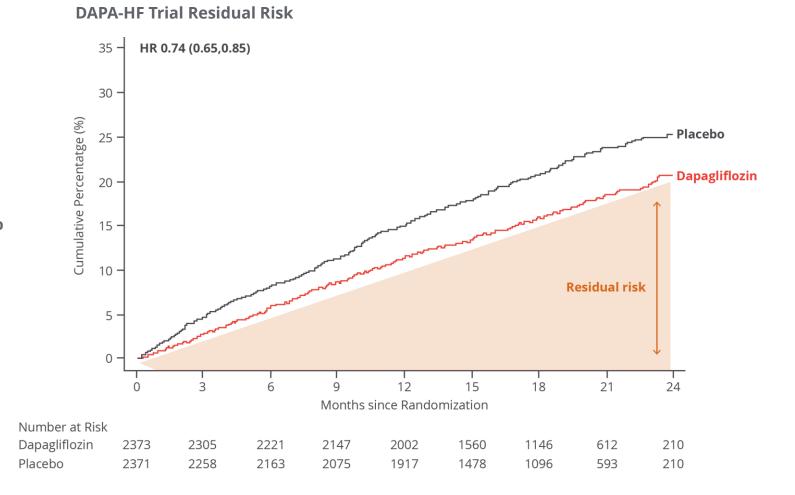
| | N | Hazard Ratio (95% Cl) | | Nom p-value | ARR |
|---|------|-----------------------|----------------------|----------------|-----|
| All Patients | 8232 | ⊢ | | 0.025 | 2.1 |
| LVEF <30% | 4704 | F1 | | <0.001 | 4.9 |
| + Hosp <3 mos | 2836 | F | | <0.001 | 6.2 |
| + SBP <110 | 1881 | F | | 0.004 | 7.2 |
| + Class III/IV | 2249 | ⊦ i | | <0.001 | 8.9 |
| + NT-proBNP ≥1000 pg/mL | 2852 | ⊢−−−− 1 | | <0.001 | 8.8 |
| camtiv mecarbil is an investigational drug and is not approved by any | 0.6 | Omecamtiv mecarbil | 1 1.1 1.2 Placebo | | |



Residual Risk is High Despite Best Therapy DAPA-HF Trial: Patients on GDMT including SGLT2-i

DAPA-HF trial (dapagliflozin group)

- Primary endpoint: CV Death/HF
 hospitalization/urgent HF visit
- 4744 patients
- Renin-angiotensin system blocker **94%**
- Dapagliflozin 96%
- Mineralocorticoid receptor (aldosterone) antagonist **71%**



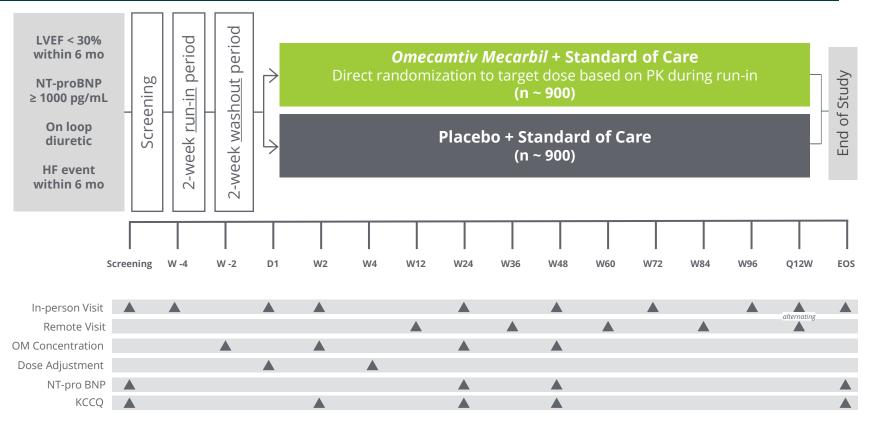
McMurray J et al, N Engl J Med. 2019;381:1995-2008

Phase 3 Confirmatory Clinical Trial Design Currently enrolling

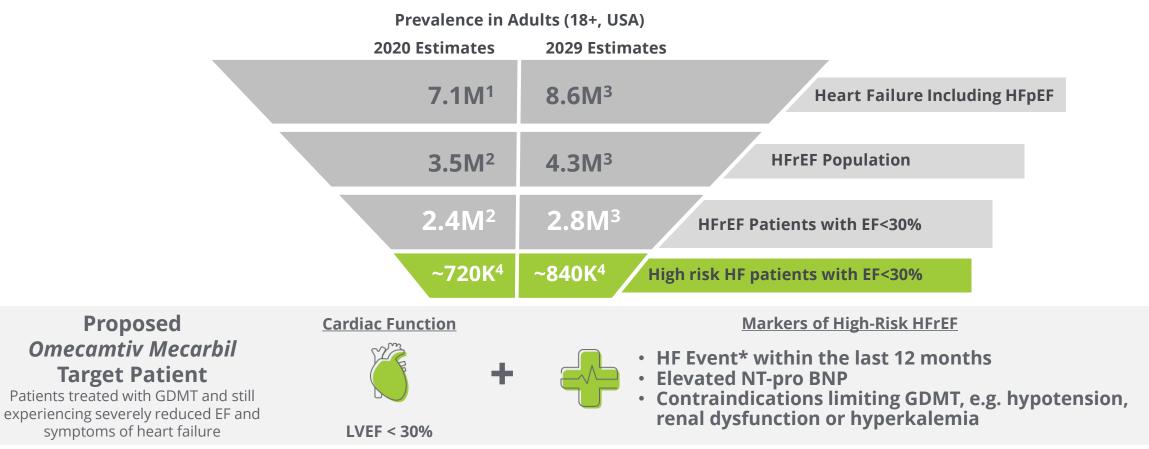


COMET-HF: Confirmation of *Omecamtiv Mecarbil* Efficacy Trial in Heart Failure

- Primary endpoint: time to CV death, HF events, transplant/LVAD, or stroke
- Enriching population for adherence with OM run-in period
- Pragmatic design elements:
 - Remote clinic visits
 - Limited safety labs & ECGs
 - Streamlined eligibility and study conduct
 - Streamlined AE reporting



Large and Growing Target Patient Population in US



1. Tsao 2023, AHA. Racine 2022 CVrg. Bionest 2021.

2. Dunlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with preserved and reduced ejection fraction. Circ Heart Fail. 2012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 30. PMID: 22936826; PMCID: PMC3661289. 3. 2.1% annual growth rate: 1.9% annual growth rate of patient population 65+ (UN World Populations Prospects Nov 2019) and a 0.2% mortality impact of HF treatment (doi: 10.1136/bmi,1223 | BMJ 2019;364:1223)

4. Greene et al JACC 2023; 81:413-424

* HF Event: Urgent, unscheduled outpatient visit or hospitalization



Higher Event Rate & Costs in Patients with Severely Reduced EF



Accounts for ~60% of HFrEF hospitalizations⁵

| | Prevalence in A | dults (18+, USA) | | |
|--|--------------------|-----------------------|---------------------------------|--|
| | 2020 Estimates | 2029 Estimates | | |
| | 7.1M¹ | 8.6M ³ | Heart Failure Including HFpEF | |
| | 3.5M ² | 4.3M ³ | HFrEF Population | |
| | 2.4M ² | 2.8M ³ | HFrEF Patients with EF<30% | |
| | ~720K ⁴ | ~840K ⁴ Hi | gh risk HF patients with EF<30% | |



35% of patients with severely reduced EF **re-hospitalized within 1 year**⁶

\$15,493 per HF re-hospitalization⁷

Direct costs from HF re-hospitalizations projected to increase from **\$3.9 billion** in 2020 to **\$4.6 billion** by 2029**

1. Tsao 2023, AHA. Racine 2022 CVrg. Bionest 2021.

* HF Event: Urgent, unscheduled outpatient visit or hospitalization **in terms of 2024 dollars

2. Durlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with preserved and reduced ejection fraction. Circ Heart Fail. 2012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 30. PMID: 22936826; PMCID: PMC3661289.

3. 2.1% annual growth rate: 1.9% annual growth rate of patient population 65+ (UN World Populations Prospects Nov 2019) and a 0.2% mortality impact of HF treatment (doi: 10.1136/bmj.1223 | BMJ 2019;364:1223)

4. Greene et al JACC 2023; 81:413-424

5. Extrapolated from Desai NR, Butler J, Binder G, Greene SJ. Prevalence and Excess Risk of Hospitalization in Heart Failure with Reduced Ejection Fraction. Poster presented at: Heart Failure Society of America (HFSA) Annual Scientific Meeting; 2022 Sep 30-Oct 3; Washington, DC.

6. Carnicelli AP, Clare RM, Hofmann P, Chiswell K, DeVore AD, Vemulapalli S, Felker GM, Kelsey AM, DeWald TA, Sarocco P, Mentz RJ. Clinical trajectory of patients with a worsening heart failure event and reduced ventricular ejection fraction. Am Heart J. 2022 Mar;245:110-116. doi: 10.1016/j.ahj.2021.12.003. Epub 2021 Dec 18. PMID: 34932997.

7. Urbich M, Globe G, Pantiri^I K, Heisen M, Bennison C, Wirtz HS, Di Tanna GL. A Systematic Review of Medical Costs Associated with Heart Failure in the USA (2014-2020). Pharmacoeconomics. 2020 Nov;38(11):1219-1236. doi: 10.1007/s40273-020-00952-0. PMID: 32812149; PMCID: PMC7546989. Omecamtiv mecarbil is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



The Business Case for Omecamtiv Mecarbil

Significant clinical need, lack of treatments drives higher price potential in HF with severely reduced EF

| | | "Severely Reduced EF" |
|---------------------------|---------------------------------|---|
| US Price Potential | | Premium to market |
| ghts | Disease Severity | Severely Reduced EF LVEF <30 |
| Market Insights | Payer Positioning | ~1M patients Post tolerated GDMT |
| Mark | Therapeutic Choices | Limited to no treatment options, +50% patients share vs. <u><</u> 30 EF |
| cials | Improved Margin ¹ | +20% incremental improvement in brand margin* |
| Financials | Cost Savings ¹ | +70% cost avoidance driven by portfolio synergies* |

*Based on internal analysis

Financials compared to launching OM alone vs launching as second product following aficamten







CK-586 is an investigational agent and has not been approved for use by the U.S. Food & Drug Administration (FDA) or any regulatory agency. The safety and effectiveness of this product have not been established.

Heart Failure with Preserved Ejection Fraction (HFpEF)

Despite broad use of standard treatments & advances in care, the prognosis for patients with HF is poor¹





HFpEF patients will die within five years of initial hospitalization²

HFpEF patients will

be rehospitalized²

Subset of HFpEF patients with hypercontractility, ventricular hypertrophy, elevated biomarkers & HF symptoms may benefit from a cardiac sarcomere inhibitor

Significant increase in hospitalizations due to HFpEF, from 189,260 in 2008 to 495,095 in 2018⁶

Lifetime healthcare costs for HFpEF are ~ \$126,819 **per patient**⁵, per-patient monthly cost for healthcare is \$7,482, primarily, driven by high rates of inpatient & outpatient visits

1. Jhund PS, MacIntyre K, Simpson CR, et al. Long-Term Trends in First Hospitalization for Heart Failure and Subsequent Survival Between 1986 and 2003. Circulation. 2009;119:515-523. 2. Bozkurt B, Ahmad T, Alexander KM, Baker WL, Bosak K, Breathett K, Fonarow GC, Heidenreich P, Ho JE, Hsich E, Ibrahim NE, Jones LM, Khan SS, Khazanie P, Koelling T, Krumholz HM, Khush KK, Lee C, Morris AA, Page RL 2nd, Pandey A, Piano MR, Stehlik J, Stevenson LW, Teerlink JR, Vaduganathan M, Ziaeian B; Writing Committee Members. Heart Failure Epidemiology and Outcomes Statistics: A Report of the Heart Failure Society of America. J Card Fail. 2023 Oct;29(10):1412-1451. doi: 10.1016/j.cardfail.2023.07.006. Epub 2023 Sep 26. PMID: 37797885; PMCID: PMC10864030. 3. Dunlay SM, Roger VL, Weston SA, Jiang R, Redfield MM. Longitudinal changes in ejection fraction in heart failure patients with preserved and reduced ejection fraction. Circ Heart Fail. 2012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 30. PMID: 22936826; PMCID: PMC3661289.

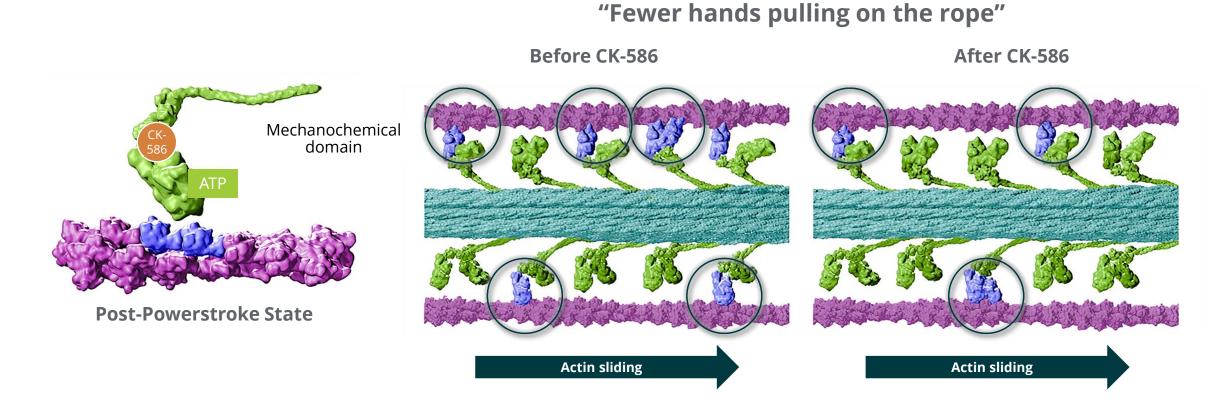
4. Yancy CW, Jessup M, Bozkurt B, et al. 2013 ACCF/AHA Guideline for the Management of Heart failure: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. Circulation. 2013;128:e240-e327. 5. Kapelios, Cardiac Failure Review 2023

6. Clark KAA, Reinhardt SW, Chouairi F et al (2022) Trends in heart failure hospitalizations in the US from 2008 to 2018. J Card Fail 28(2):171–180.

7. Lam CSP, Wood R, Vaduganathan M et al (2021) Contemporary economic burden in a real-world heart failure population with Commercial and Medicare supplemental plans. Clin Cardiol 44(5):646–655.



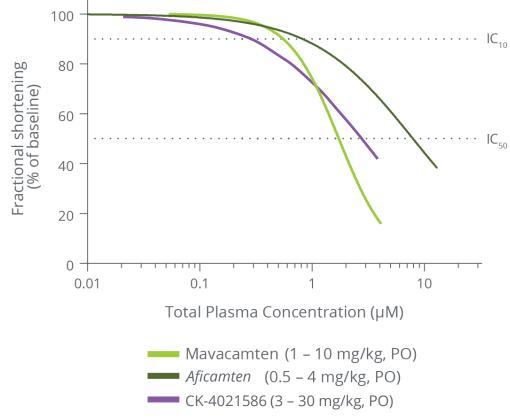
CK-586: Distinct Mechanism of Action from Aficamten





CK-586: Shallow In Vivo Concentration-Response

CK-586 has a shorter half-life than *aficamten*



| Pharmacodynamic window Fractional shortening IC ₅₀ /IC ₁₀ ratio | | | | | |
|--|------|--|--|--|--|
| mavacamten | 2.8x | | | | |
| aficamten | 9.9x | | | | |
| CK-586 | 9.3x | | | | |

 IC_{10} : plasma concentration at 10% relative reduction in fractional shortening IC_{50} : plasma concentration at 50% relative reduction in fractional shortening

| Compound half-life in humans | Actual | Predicted | | |
|---------------------------------|-----------|-----------|--|--|
| aficamten | ~3 days | 2.8 days | | |
| CK-586 | ~15 hours | 15 hours | | |

CK-586 is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.

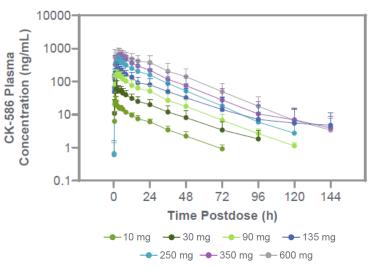
Phase 1 Data Support Advancement to Phase 2 Clinical Trial

Phase 1 study design: 7 SAD cohorts (10 mg to 600 mg) & 2 MAD cohorts (100 & 200 mg once daily), 10 participants each

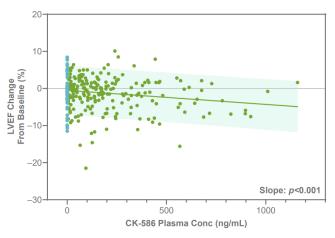
- Less than 24-hour half-life
- Shallow and predictable PK/PD relationship based on LVEF and LVFS
- Well-tolerated across all cohorts
- No serious adverse events were observed
- Stopping criteria were not met



(mean [SD]) over time after single ascending doses of CK-586



Change in LVEF vs. CK-586 Plasma Concentration



PK/PD: pharmacokinetic/pharmacodynamic

LVEF: left ventricular ejection fraction

LVFS: left ventricular fractional shortening

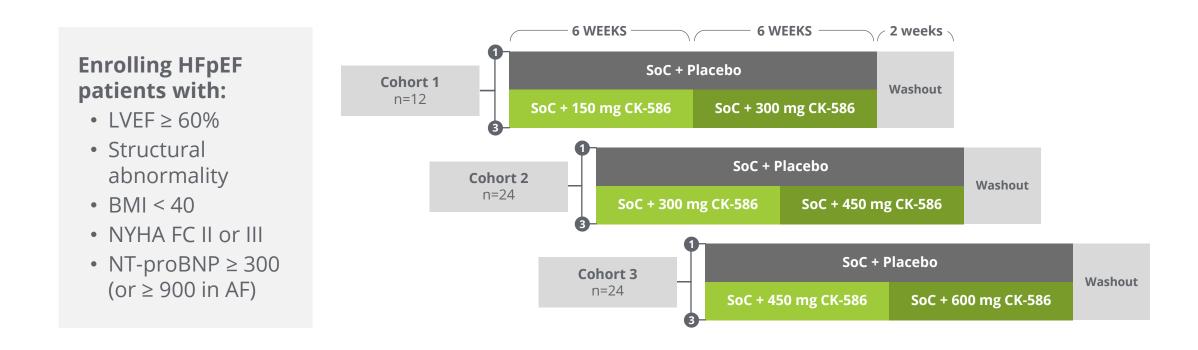
Lutz JD., Simpkins T., Cheplo K., et al. A First-in-Human, Single and Multiple Ascending Dose Study of CK-4021586, a Novel Cardiac Myosin. Poster, American College of Clinical Pharmacology 2024. CK-586 is an investigational drug and is not approved by any regulatory agency. Its safety and efficacy have not been established.



Phase 2 Study Schema Currently enrolling

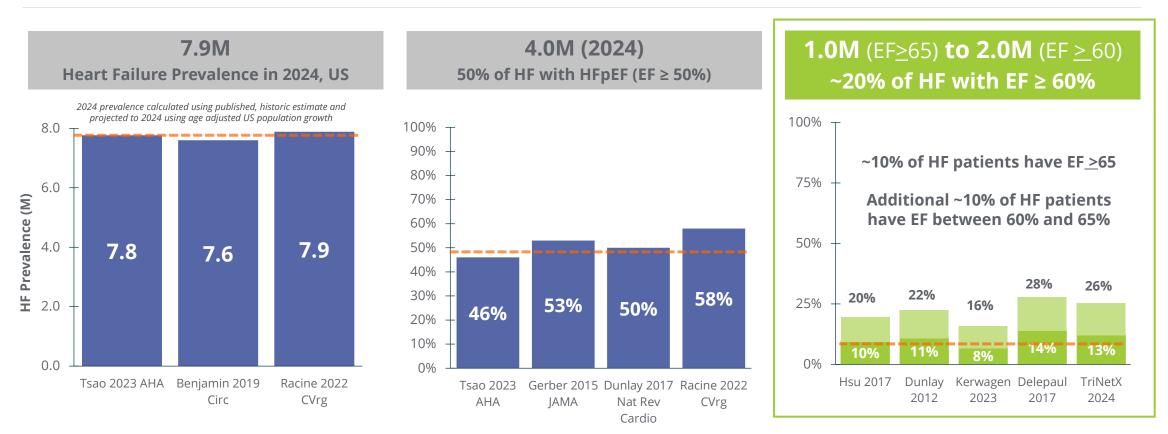


AMBER-HFpEF: Assessment of CK-586 in a Multi-Center, Blinded Evaluation of Safety and Tolerability Results in HFpEF





CK-586: Focusing on Patients with HFpEF and EF ≥ 60



Source: Racine et al Heart Failure 2020-2029, CVrg March 2020 p 26; includes patients in long term care settings, which NHANES epi does not incorporate; Benjamin, E. et al. Heart Disease and Stroke Statistics—2019 Update: A Report From the AHA Circulation Vol 139, Issue 10, 5 March 2019; Pages e56-e528 historic growth rate of HF 2009-2012 vs. 2013-2016: 2.1%; the population of 65+ year old is expected to grow at 1.9% according to the UN – mortality improvement of 0.2% per year; Heidenreich P. at al: Forecasting the Impact of Heart Tailure in the United States Circulation: Heart Failure Volume 6, Issue 3 May 2013; Tsao C, et al Heart Disease and Stroke Statistics—2023 Update: A Report From the American Heart Association Volume 139, Issue 10 Mar 2019; UN Population Report for Unsy 2013; Tsao C, et al Heart Disease and Stroke Statistics—2023 Update: A Report From the American Heart Failure Volume 139, Issue 10, States C, et al Integration fraction. Circ Heart Failure 12012 Nov;5(6):720-6. doi: 10.1161/CIRCHEARTFAILURE.111.966366. Epub 2012 Aug 20. PMID: 2935826; PMCID: PMC3661289, Gerber 2015 JAMA, Jiang R, Fonarow GC. Heart Failure With Mid-Range (Borderline) Ejection Fraction: Clinical Implications and Future Directions. JACC Heart Fail. 2017 Nov;5(1):763-771. doi: 10.1016/j.jchf.2017.06.013. Epub 2017 Oct 11. PMID: 29032140; PMCID: PMC6668914. Kerwagen F, Koehler K, Vettorazzi E, Stangl V, Koehler M, Halle M, Koehler F, Störk S. Remote patient failure across the ejection fraction spectrum: A pre-specified analysis of the TIM-HF2 trial. Eur J Heart Fail. 2023 Sep;25(9):1671-1681. doi: 10.1002/ejhf.2948. Epub 2023 Jul 31. PMID: 37368507. Delepaul B, Robin G, Delmas C, Monine T, Blanca A, Fournier P, Roger-Rollé A, Domain G, Deolon C, Uzan C, Boudejelli R, Carrié D, Roncalli J, Galinier M, Lairez O. Who are patients classified within the new terminology of heart failure from the 2016 ESC guidelines? ESC Heart Fail. 2017 May;4(2):99-104. doi: 10.1002/ejhf.21213. Epub 2017 Jan 31. PMID: 28451445; PMCID: PMC5396039.



CK-586 May Address Unmet Needs of HFpEF Patients



Proposed Mechanistic Benefits

- CK-586 may benefit cardiac relaxation during diastole
- CK-586 may reduce symptoms and improve functional capacity





Target Product Profile

- Statistically significant reduction in composite of mortality and hospitalization outcomes
- Oral QD tablet
- Minimal drug interactions
- Simple dose titration with biomarker monitoring



Financials & Milestones



Strong Financial Position

Strengthened balance sheet & access to capital to execute launch & advance R&D pipeline

~\$1.3B in cash, cash equivalents and investments as of September 30, 2024

| Further access to capital through term loans ^[1] with Royalty Pharma (RP) | Eligible to draw up to \$175m in 2025 ^[2] Access to additional \$175m ^[3] subject to conditions | |
|--|--|--------|
| Potential further funding through RP opt-in | RP, at its option, can invest up to \$150M in a Phase 3 trial of CK-586 in exchange for an additional 3.5% revenue participation interest in worldwide net sales of CK-586 ^[4] | \$500M |

[1]Term loans are comprised of Tranche 4 , 5, and 7 Loans

[2]Tranche 4: Cytokinetics is eligible to draw up to \$75m by April 3, 2025. The minimum draw for tranche 4 is \$50m.

Tranche 5: Cytokinetics, at its option, is eligible to draw up to \$100m by November 24, 2025.

[3]Tranche 7: Cytokinetics, at its option, is eligible to draw up to \$175m subject to conditions related to the approval of the NDA for aficamten in oHCM on or prior to December 31, 2025. [4]Royalty Pharma currently has a revenue participation interest of 1.0% of worldwide net sales of CK-586.



2024 Financial Guidance

| | Current Guidance Issued on Aug. 8, 2024 |
|--|--|
| GAAP Operating Expense ^[1] | \$555m to \$575m |
| Non-cash Expense ^[2] Included in GAAP Operating Expense | \$110m to \$105m |
| Non-GAAP Operating Expense ^[3] | \$445m to \$470m |
| | |
| Net Cash Utilization ^[4] | \$400m to \$420m |

The financial guidance does not include the effect of GAAP adjustments as may be caused by events that occur subsequent to publication of this guidance including but not limited to Business Development activities.

^[3] Non-GAAP operating expense comprised of R&D and G&A expenses but excludes non-cash operating expense. ^[4] Net cash utilization is a non-GAAP financial measure that we define as our ending 2023 cash, cash equivalents, and investments balance of \$655 million plus the net proceeds of \$707 million received from the sale of common stock (through the at-the-market facility, public offerings, and stock purchase agreement with Royalty Pharma) plus proceeds of \$200 million received from the structured financing agreement with Royalty Pharma announced on May 22, 2024 minus our projected ending 2024 cash, cash equivalents, and investments balance of between \$1,142 million and \$1,162 million.



^{[&}lt;sup>[1]</sup> GAAP operating expense comprised of R&D and G&A expenses.

^[2] Non-cash operating expense comprised of stock-based compensation and depreciation.

Exclusive Licensing Collaboration with Bayer for *Aficamten* in Japan **Upfront payment, development & commercial milestone payments & tiered royalties**

Collaboration leverages Bayer's regional capabilities & expertise in development & commercialization

Collaboration Financials:

- €50 million upfront payment
- Up to €90 million upon the achievement of milestones through commercial launch, €20 million of which are near-term payments
- Up to €490 million in commercial milestone payments upon the achievement by Bayer of certain sales milestones
- Tiered royalties ranging from the high teens to the low 30s on net sales of *aficamten* in Japan

Joint Development Program:

- Bayer will conduct a Phase 3 clinical trial in Japanese patients with oHCM
- Cytokinetics will expand ACACIA-HCM, the Phase 3 clinical trial of *aficamten* in patients with nHCM, and CEDAR-HCM, the study of *aficamten* in a pediatric population, into Japan



Robust Pipeline, Upcoming Commercial Launch & Solid Financial Position

| Commercial | U.S. PDUFA date of September 26, 2025 for aficamten U.S go-to-market strategies anchored in optimized market access & patient experience | | | | | | |
|------------|--|--|--|--|--|---|---------|
| Pipeline | Aficamten SEQUOIA-HCM: Positive Phase 3 Ongoing clinical program with label- expanding opportunities including: MAPLE-HCM: Phase 3 mono. vs mer ACACIA-HCM: Phase 3 nHCM CEDAR-HCM: Phase 2-3 pediatric of FOREST-HCM: OLE in oHCM & nHCM | Omecamtiv mecarbil Phase 3 confirmatory clinical trial COMET-HF ongoing | CK-586 Phase 2 AMBER- HFpEF clinical trial ongoing | | CK-089 Phase 1 study ongoing in healthy participants | Ongoing R&D Additional research in muscle biology, energetics & metabolism | |
| Foundation | R&D platform rooted in myosin modulation | Pioneer muscle biology | | | with fu | cash & investr rther access to apital, up to \$5 | o long- |

*As of September 30, 2024

** \$500M comprised of \$350M in term loan facilities with Royalty Pharma, and \$150M Royalty Pharma can, at its option, invest in a Phase 3 clinical trial of CK-586 in exchange for an additional 3.5% revenue participation interest in worldwide net sales of CK-586. Aficamten, omecamtiv mecarbil, CK-586 and CK-089 are investigational drugs and are not approved by any regulatory agency. Their safety and efficacy have not been established.



Expected 2025 Milestones

Aficamten

Continue advancing go-to-market strategies & prepare to launch aficamten in the U.S. in 2H 2025

Report topline results from MAPLE-HCM in 1H 2025

Complete patient enrollment in ACACIA-HCM in 2H 2025

 Complete patient enrollment of adolescent cohort of CEDAR-HCM in 2H 2025

Omecamtiv Mecarbil

Continue patient enrollment in COMET-HF through
 2025 with objective to complete enrollment in 2026

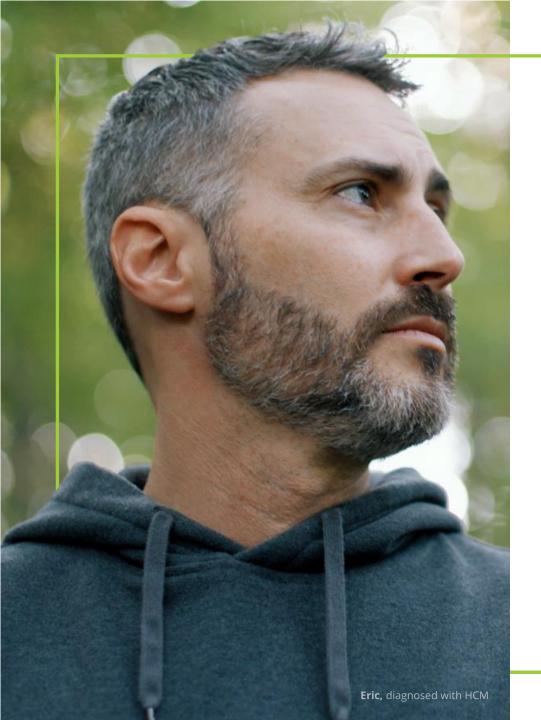
CK-586

Complete first two patient cohorts of AMBER-HFpEF in 2H 2025

CK-089

O Complete the Phase 1 study of CK-089 in 2025

Aficamten, omecamtiv mecarbil, CK-586 and CK-089 are investigational drugs and have not been approved. Their safety and efficacy have not been established.





thank you

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