

BASELINE CHARACTERISTICS FROM THE CARDIOVASCULAR OUTCOMES TRIAL OF OMECAMTIV MECARBIL (GALACTIC-HF)

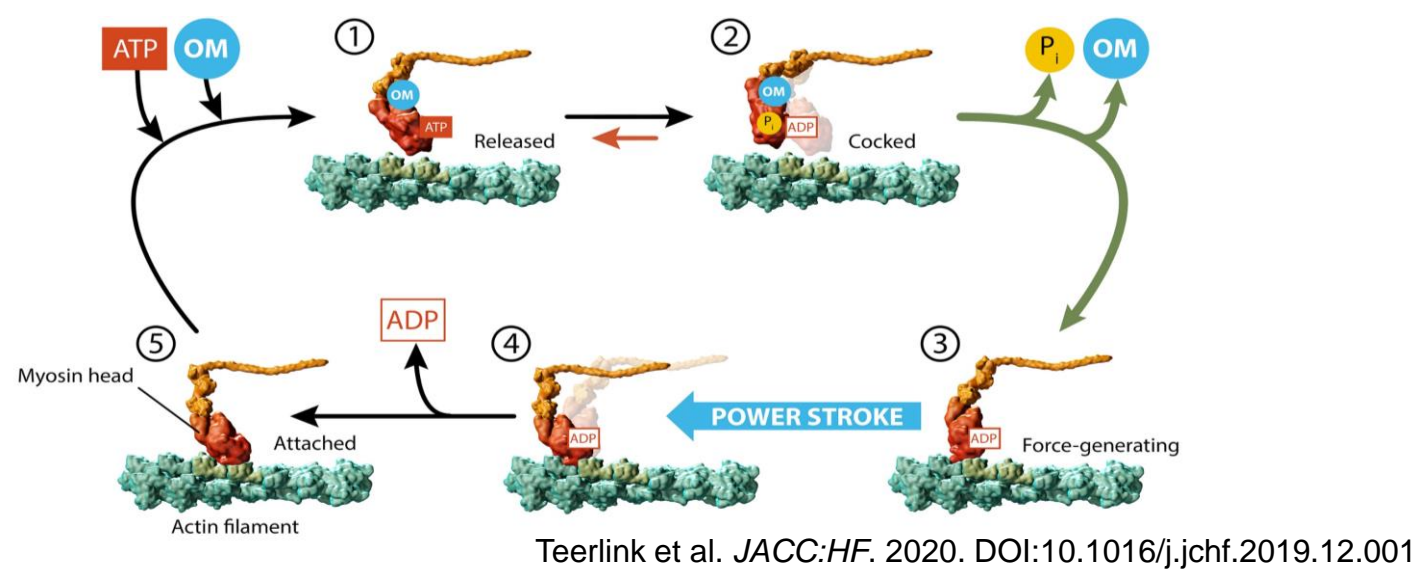
John R. Teerlink^a, Rafael Diaz^b, G. Michael Felker^c, John J. V. McMurray^d, Marco Metra^e, Scott D. Solomon^f, Jason C. Legg^g, Claire Varin^h, Christopher E. Kurtz^g, Fady I. Malikⁱ, Siddique A. Abbasi^g

^aSan Francisco Veterans Affairs Medical Center and University of California San Francisco, San Francisco, CA; ^bEstudios Clínicos Latino America, Rosario, Argentina; ^cDuke University and Duke Clinical Research Institute, Durham, NC; ^dUniversity of Glasgow, Glasgow, UK; ^eUniversity of Brescia, Italy; ^fBrigham and Women's Hospital and Harvard Medical School, Boston, MA; ^gAmgen, Thousand Oaks, CA; ^hServier, Suresnes, France; ⁱCytokinetics, Inc., South San Francisco, CA

Disclosures: JRT has received research grants and/or consulting fees from Abbott, Amgen, AstraZeneca, Bayer, Boehringer Ingelheim, BMS, Cytokinetics, Medtronic, Merck, Novartis, and Windtree Therapeutics, Inc. Study funding and medical writing support were provided by Amgen Inc.

BACKGROUND

Omecamtiv mecarbil (OM) is a novel, selective cardiac myosin activator that improves cardiac function, ventricular volumes, and NT-proBNP in patients with HFrEF.

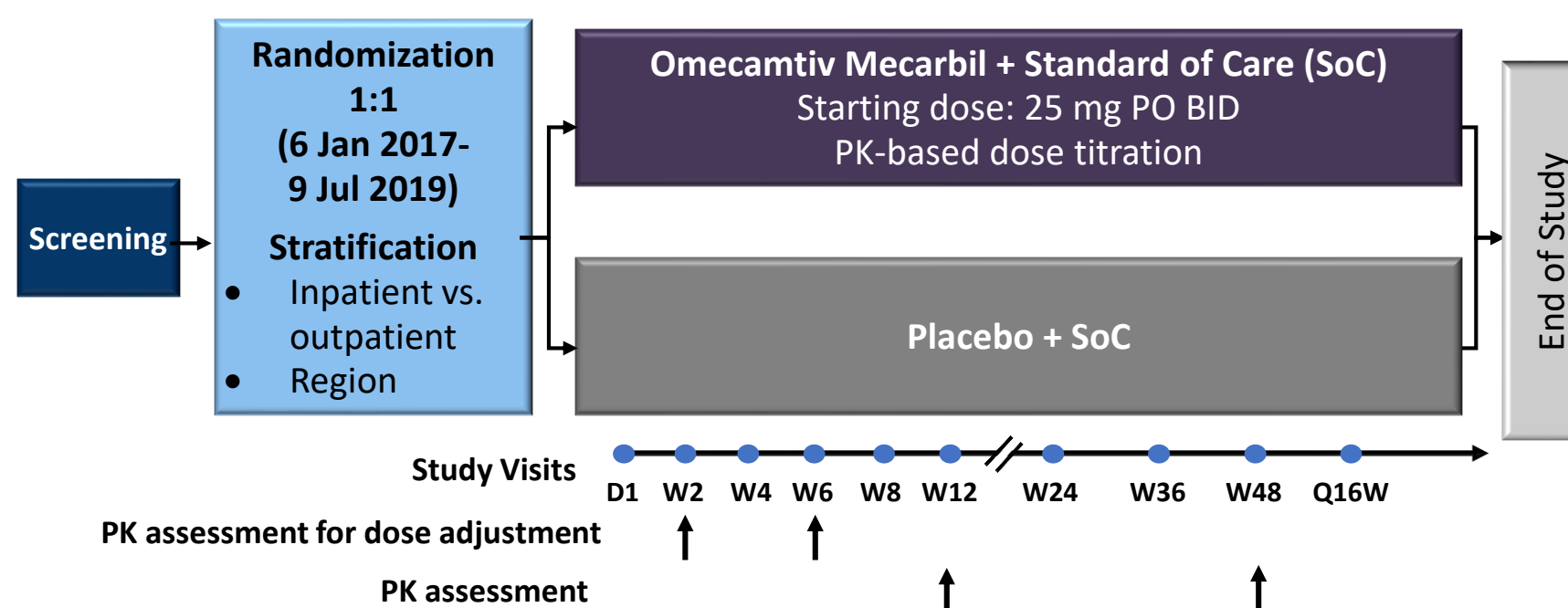


Omecamtiv mecarbil binds with highest affinity to the pre-powerstroke state of myosin, increasing the force produced during each cycle of cardiac contraction.

METHODS

GALACTIC-HF (NCT02929329) is assessing the effect of OM on CV death, HF events, and patient-reported outcomes, as well as its safety profile.

Multinational, double-blind, placebo-controlled, event-driven trial



Key inclusion criteria:

- Age ≥ 18 to ≤ 85 years
- Chronic HF, LVEF ≤ 35%, NYHA Class II to IV, managed with GDMT
- Current hospitalization (“inpatient”) OR recent HF hospitalization/ED visit (within 1 year, “outpatient”)
- BNP ≥ 125 pg/mL or NT-proBNP level ≥ 400 pg/mL (with atrial fibrillation/flutter: BNP ≥ 375 pg/mL or NT-proBNP ≥ 1200 pg/mL)

Key exclusion criteria:

- ACS event or major cardiac surgery/intervention within 3 months
- SBP >140 or <85 mmHg; HR >110 bpm or <50 bpm
- GFR <20 mL/min/1.72m² or on dialysis

Primary efficacy outcome:

- Time to CV death or first HF event, whichever occurs first



GALACTIC-HF

CV Outcomes Trial for Omecamtiv Mecarbil Enrolls 8,256 Patients With HFrEF

GALACTIC-HF is testing the hypothesis that omecamtiv mecarbil improves clinical outcomes in patients with HFrEF enrolled from both inpatient and outpatient settings.

Results are anticipated Q4 of 2020.

For more information, email john.teerlink@ucsf.edu



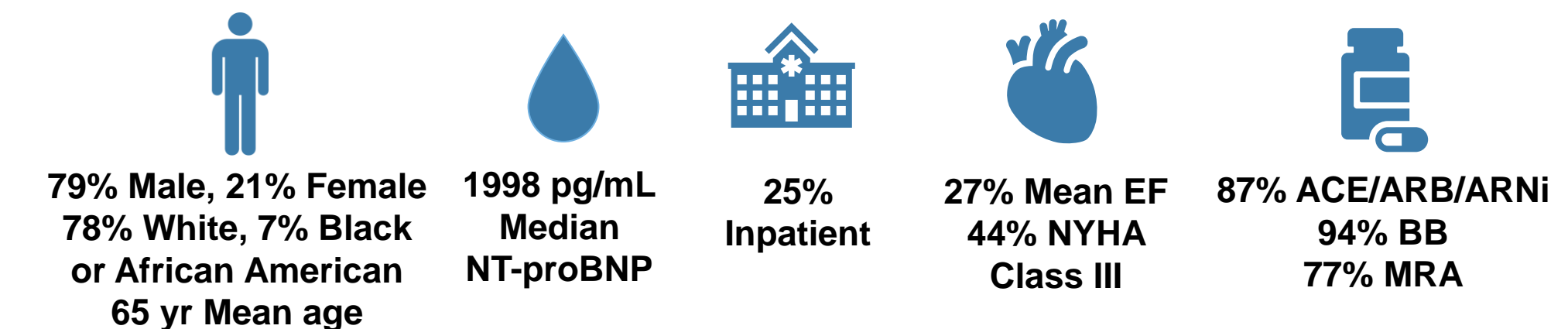
BASELINE CHARACTERISTICS

	Overall (N=8,256)	Inpatient (N=2,083)	Outpatient (N=6,173)
Time from most recent HF hospitalization/ED visit (months), median (Q1-Q3)	2 (1-5)	-	3 (2-6)
Region NA/LA/(WE,SA,OCE)/EE/Asia, %	17/ 19/ 23/ 33/ 8	9/ 16/ 23/ 44/ 9	20/ 20/ 23/ 29/ 8
Age (years), mean (SD)	65 (11)	65 (11)	64 (11)
Male, %	79	80	78
White, %	78	82	76
LVEF (%), mean (SD)	27 (6)	27 (6)	27 (6)
MAGGIC Score, mean (SD)	23 (6)	25 (6)	23 (6)
NYHA Class II/III/IV, %	53/ 44/ 3	37/ 57/ 6	59/ 39/ 2
NT-proBNP (pg/mL), median (Q1-Q3)	1998 (990-4078)	2509 (1240-5133)	1884 (923-3772)
hsTnI (ng/mL), median (Q3)	0.027 (0.051)	0.037 (0.068)	0.024 (0.046)
Ischemic Heart Disease Etiology, %	55	56	54
KCCQ Total Symptom Score, mean (SD)	66 (25)	53 (25)	71 (23)
Coronary Artery Disease, %	62	63	61
Peripheral Artery Disease, %	10	10	10
Stroke, %	9	9	9
Atrial Fibrillation or Flutter History, %	42	48	40
Hypertension, %	70	72	70
Type 2 Diabetes Mellitus, %	40	42	40
Chronic Kidney Disease, %	36	39	35
eGFR (mL/min/1.73m ²), median (Q1-Q3)	59 (44-74)	54 (41-70)	60 (45-75)
SBP (mmHg), mean (SD)	117 (15)	114 (14)	117 (16)
Heart rate (beats/min), mean (SD)	72 (12)	73 (12)	72 (12)
ACEi, ARB or ARNi, %	87	83	88
ARNi, %	19	16	21
BB, %	94	93	95
MRA, %	77	81	76
Diuretics other than MRAs, %	90	92	89
Digitalis Glycosides, %	17	17	17
CRT and/or ICD, %	34	31	35
SGLT2 Inhibitors, %	3	3	3
Ivabradine, %	6	7	6

ACEi indicates angiotensin-converting enzyme inhibitor; ARB, angiotensin receptor blocker; ARNi, angiotensin receptor-neprilysin inhibitor; BB, beta blocker; CRT, cardiac resynchronization therapy; ED, emergency department; EE, Eastern Europe including Russia; eGFR, estimated glomerular filtration rate; hsTnI, high-sensitivity troponin I; ICD, implantable cardioverter-defibrillator; KCCQ, Kansas City Cardiomyopathy Questionnaire; LA, Latin America; LVEF, left ventricular ejection fraction; MAGGIC, Meta-Analysis Global Group in Chronic HF; MRA, mineralocorticoid receptor antagonist; NA, North America; NT-proBNP, N-terminal pro-B-type natriuretic peptide; NYHA, New York Heart Association; OCE, Australasia; SA, South Africa; SBP, systolic blood pressure; SGLT2, sodium-glucose co-transporter 2; WE, Western Europe

ENROLLED PATIENT POPULATION

Overall, 8,256 patients were enrolled



Those randomized as inpatients had higher prevalence of atrial fibrillation/flutter and NYHA Class III, higher NT-proBNP, and decreased renal function.

CONCLUSION

GALACTIC-HF has enrolled a well-treated population from both inpatient and outpatient settings, which will provide guidance on implementation of this potentially life-saving therapy.