

Supplementary Material

Efficacy and Safety of Esaxerenone in Hypertensive Patients with Left Ventricular Hypertrophy (ESES-LVH) Study: A Multicenter, Open-Label, Prospective, Interventional Study

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Supplementary Materials

Table S1. List of participating institutions and representative physicians^a

Table S2. Detailed inclusion and exclusion criteria

Table S3. Change from baseline in BP (full analysis set)

Table S4. Change from baseline in BP (per protocol set)

Table S5. Achievement rate of target BP levels at Week 24 (full analysis set)

Table S6. Achievement rate of target BP levels at Week 24 (per protocol set)

Table S7. Changes from baseline in LVM and LVMI (full analysis set)

Table S8. Changes from baseline in LVM and LVMI (per protocol set)

Table S9. Changes from baseline in LVEF, LAVI, E/A, E/e', and TRV (full analysis set)

Table S10. Changes from baseline in LVEF, LAVI, E/A, E/e', and TRV (per protocol set)

Table S11. Changes in blood biomarker data from baseline (full analysis set)

Table S12. Changes in blood biomarker data from baseline (per protocol set)

Table S13. Incidences of serum potassium level ≥ 5.5 and ≥ 6.0 mEq/l (safety analysis set)

Fig. S1 Study design

Fig. S2 Time course changes (a) and changes from baseline (b) in bedtime home BP throughout the study period in the total population and RASi and CCB subcohorts (full analysis set).

Fig. S3 Time course changes (a) and changes from baseline (b) in office BP throughout the study period in the total population and RASi and CCB subcohorts (full analysis set).

Data are mean $\pm$ standard deviations.

Fig. S4 Time course changes from baseline in eGFR_{creat} (a) and serum potassium levels (b) throughout the study period in the total population and RASi and CCB subcohorts (safety analysis set).

Table S1. List of participating institutions and representative physicians^a

Institution	Representative physicians
Kumamoto University Hospital	Shinsuke Hanatani, Kyoko Hirakawa, Kenichi Matsushita, Taishi Nakamura, Daisuke Sueta, Satoru Suzuki, Seiji Takashio, <u>Kenichi Tsujita (principal investigator)</u> , Eiichiro Yamamoto
Amakusa Medical Center	Shinsuke Hanatani, Yasuhiro Nagayoshi, Taiki Nishihara, <u>Naritsugu Sakaino</u>
Arao Municipal Hospital	Shunichiro Fuchigami, Shinsuke Hanatani, <u>Ichiro Kajiwara</u> , Nobuhiro Nakanishi, Daisuke Sueta, Satoru Yamamura
Higashi Diabetes and Cardiovascular Clinic	<u>Takayuki Higashi</u>
Hirayama Heart Clinic	<u>Kazuto Hirayama</u> , Touitsu Hirayama
Hitoyoshi Medical Center	Yusuke Kanemaru, <u>Hirofumi Kurokawa</u> , Shinichi Nakamura, Yoshiro Onoue, Taku Rokutanda, Takayoshi Yamashita
Jinnouchi Hospital	Kunio Hieshima, <u>Hideaki Jinnouchi</u> , Katsunori Jinnouchi, Keizo Kajiwara, Noboru Kurinami, Seigo Sugiyama, Tomoko Suzuki
Kanoya Heart Center	<u>Hidekazu Arai</u>
Kumamoto Chuo Hospital	Shunichiro Fuchigami, Eiji Horio, Kenji Morihisa, Hisato Nako, Tsunenori Nishijima, <u>Katsuo Noda</u> , Taku Rokutanda, Yuichiro Tsuruta

Kumamoto City Hospital	<u>Ikuo Misumi</u> , Miwa Nagano, Koji Sato
Kumamoto Kenhoku Hospital	<u>Masakazu Matsukawa</u> , Hisato Nako, Takanori Tokitsu
Kumamoto Rosai Hospital	Koji Abe, Hideki Doi, Shotaro Furukawa, Daiki Kakumori, Kazunobu Kawakami, <u>Toshiyuki Matsumura</u> , Kota Motozato
Minamata City General Hospital & Medical Center	<u>Toyoki Hirose</u> , Tomoaki Uemura
Miyazaki Prefectural Nobeoka Hospital	So Ikebe, Masanobu Ishii, Ryota Kaichi, Soichi Komaki, Kazumasa Kuroki, Hiroaki Kusaka, Takayuki Mori, Masafumi Takae, <u>Nobuyasu Yamamoto</u>
Nakayama Cardiovascular Clinic	<u>Masafumi Nakayama</u>
National Hospital Organization Kumamoto Medical Center	<u>Kazuteru Fujimoto</u> , Yuichi Kimura, Hiroaki Kusaka, Junichi Matsubara, Takumi Nagakura, Atsushi Nozuhara, Yasuhiro Otsuka, Shinji Tayama
Nishinihon Hospital	Yuichiro Arima, <u>Tomoko Iwasaki</u>
Sakanashi Heart Clinic	Masaki Goto, Yasuyuki Hanada, <u>Toshihiko Sakanashi</u>
Shinbeppu Hospital	Koichi Kikuta, Mitsutoshi Miura, <u>Takashi Miyazaki</u> , Suguru Nagamatsu, Keisuke Watanabe
Yatsushiro Heart Clinic	<u>Hideo Takashima</u>

^aInstitutions and investigators are listed in alphabetical order except for Kumamoto

University Hospital, where the principal investigator belongs. The facility representatives are underlined.

Table S2. Detailed inclusion and exclusion criteria

Main inclusion criteria 1) Patients aged ≥ 20 years who had been taking a RASi or a CCB at a fixed dosage regimen from 28 days or earlier before the start of esaxerenone administration 2) Mean sitting home SBP of 135 to ≤ 159 mmHg and/or DBP of 85 to ≤ 99 mmHg using an upper arm cuff sphygmomanometer in the past 5 days or more prior to the registration date and within 14 days before the start of esaxerenone administration 3) Patients with LVH who met any of the following criteria: a) Thickening of the left ventricular posterior wall or intraventricular septal wall of ≥ 12 mm on echocardiogram b) LVH with $Sv1 + Rv5 \geq 35$ mm on electrocardiogram c) $LVMI \geq 125$ g/m² for men and ≥ 110 g/m² for women
Main exclusion criteria 1) Secondary hypertension or malignant hypertension 2) Type 1 diabetes mellitus 3) Complication or history of orthostatic hypotension 4) Complication or history of cerebrocardiovascular disease that corresponds to any of the following: a) Patients who developed myocardial infarction, cerebral infarction, cerebral hemorrhage, subarachnoid hemorrhage,

- or stroke of unknown type (TIA can be registered) within 6 months before written consent was obtained
- b) Patients who had undergone procedures such as PCI, CABG, or ablation within 6 months before written consent was obtained
- c) Patients scheduled to undergo procedures such as PCI, CABG, or ablation at the start of treatment
- d) Patients with heart failure and LVEF that decreased to < 50%
- e) Patients diagnosed with idiopathic cardiomyopathy
- f) Patients with current or history of congenital or rheumatic heart disease
- g) Patients with unstable angina, severe arrhythmia (e.g., life-threatening refractory ventricular arrhythmias or arrhythmias with irregular R-R intervals such as sick sinus syndrome)
- 5) Patients with symptoms or contraindications for treatment with esaxerenone as indicated in the esaxerenone package insert, such as hyperkalemia, serum potassium level ≥ 5.0 mEq/l, or severe renal impairment with $eGFR_{creat} < 30$ ml/min/1.73 m²

CABG coronary artery bypass grafting, *CCB* calcium channel blocker, *DBP* diastolic blood pressure, *eGFR_{creat}* creatinine-based estimated glomerular filtration rate, *LVEF* left ventricular ejection fraction, *LVH* left ventricular hypertrophy, *LVMi* left ventricular mass index, *PCI* percutaneous coronary intervention, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure, *TIA* transient ischemic attack

Table S3. Change from baseline in BP (full analysis set)

	Total		Subcohorts			
	N = 58		RASi		CCB	
			n = 19		n = 39	
	SBP, mmHg	DBP, mmHg	SBP, mmHg	DBP, mmHg	SBP, mmHg	DBP, mmHg
Morning home BP						
Baseline, n	58	58	19	19	39	39
Mean ± SD	142.8 ± 8.1	85.0 ± 10.0	142.7 ± 8.4	86.3 ± 7.1	142.8 ± 8.1	84.4 ± 11.2
Week 2, n	52	52	16	16	36	36
Mean ± SD	135.9 ± 11.0	82.8 ± 10.3	135.6 ± 13.1	83.6 ± 8.8	136.1 ± 10.1	82.5 ± 10.9
Change from baseline	-6.7 ± 9.0***	-2.5 ± 5.6**	-7.0 ± 10.7*	-3.3 ± 6.5	-6.5 ± 8.3***	-2.2 ± 5.2*
Week 4, n	57	57	18	18	39	39
Mean ± SD	134.7 ± 9.8	81.9 ± 9.9	135.8 ± 11.4	82.1 ± 7.5	134.2 ± 9.0	81.8 ± 10.9
Change from baseline	-8.2 ± 8.1***	-3.1 ± 5.0***	-7.3 ± 7.2***	-4.2 ± 5.3**	-8.6 ± 8.5***	-2.6 ± 4.8**
Week 6, n	56	56	18	18	38	38
Mean ± SD	131.7 ± 9.2	80.2 ± 9.3	133.7 ± 11.4	81.8 ± 7.9	130.8 ± 7.9	79.4 ± 10.0
Change from baseline	-10.9 ± 9.6***	-4.5 ± 6.3***	-9.4 ± 10.0***	-4.4 ± 7.7*	-11.6 ± 9.5***	-4.6 ± 5.6***
Week 8, n	57	57	18	18	39	39
Mean ± SD	131.8 ± 9.4	80.4 ± 9.2	133.4 ± 12.5	80.7 ± 7.6	131.1 ± 7.6	80.2 ± 9.9
Change from baseline	-11.1 ± 9.8***	-4.6 ± 6.3***	-9.6 ± 10.7**	-5.5 ± 7.3**	-11.7 ± 9.4***	-4.2 ± 5.9***

Week 10, <i>n</i>	55	55	17	17	38	38
Mean ± SD	130.9 ± 9.3	80.0 ± 9.3	131.8 ± 11.2	80.1 ± 7.2	130.5 ± 8.5	80.0 ± 10.2
Change from baseline	-11.5 ± 9.6***	-4.5 ± 6.3***	-10.6 ± 7.9***	-5.5 ± 4.7***	-11.9 ± 10.3***	-4.0 ± 6.9***
Week 12, <i>n</i>	56	56	18	18	38	38
Mean ± SD	132.1 ± 12.0	79.9 ± 9.9	133.7 ± 13.7	79.6 ± 7.8	131.4 ± 11.2	80.1 ± 10.9
Change from baseline	-10.5 ± 11.8***	-4.8 ± 7.5***	-9.4 ± 11.0**	-6.7 ± 8.2**	-11.0 ± 12.2***	-3.9 ± 7.0**
Week 24, <i>n</i>	55	55	17	17	38	38
Mean ± SD	130.9 ± 11.2	80.2 ± 10.4	129.5 ± 12.9	78.4 ± 8.1	131.5 ± 10.5	81.0 ± 11.3
Change from baseline	-11.9 ± 12.0***	-5.0 ± 7.6***	-13.2 ± 9.9***	-7.9 ± 7.1***	-11.4 ± 12.9***	-3.8 ± 7.6**
EOT, <i>n</i>	58	58	19	19	39	39
Mean ± SD	131.2 ± 12.0	80.3 ± 10.5	131.1 ± 15.0	79.6 ± 8.6	131.3 ± 10.5	80.6 ± 11.4
Change from baseline	-11.5 ± 12.3***	-4.7 ± 7.7***	-11.6 ± 11.7***	-6.6 ± 7.9**	-11.5 ± 12.8***	-3.8 ± 7.5**
Bedtime home BP						
Baseline, <i>n</i>	58	58	19	19	39	39
Mean ± SD	141.0 ± 8.4	81.9 ± 10.5	140.1 ± 8.5	82.4 ± 7.7	141.4 ± 8.3	81.6 ± 11.7
Week 2, <i>n</i>	52	52	16	16	36	36
Mean ± SD	133.8 ± 10.0	79.5 ± 10.5	130.9 ± 10.3	78.8 ± 6.7	135.0 ± 9.7	79.9 ± 11.8
Change from baseline	-7.1 ± 8.2***	-2.3 ± 5.0**	-9.3 ± 6.7***	-3.7 ± 4.2**	-6.2 ± 8.7***	-1.6 ± 5.2
Week 4, <i>n</i>	57	57	18	18	39	39
Mean ± SD	133.1 ± 10.1	78.8 ± 10.3	131.2 ± 11.4	78.6 ± 7.5	133.9 ± 9.5	78.9 ± 11.4
Change from baseline	-8.0 ± 7.7***	-3.1 ± 5.3***	-9.1 ± 7.0***	-3.8 ± 4.6**	-7.4 ± 8.1***	-2.7 ± 5.7**

Week 6, <i>n</i>	56	56	18	18	38	38
Mean ± SD	129.6 ± 8.5	77.1 ± 9.2	128.5 ± 9.7	77.3 ± 7.5	130.1 ± 8.0	77.0 ± 10.0
Change from baseline	-11.3 ± 7.3***	-4.5 ± 5.0***	-11.8 ± 7.5***	-5.1 ± 5.5**	-11.1 ± 7.3***	-4.3 ± 4.7***
Week 8, <i>n</i>	57	57	18	18	39	39
Mean ± SD	130.0 ± 9.7	77.2 ± 9.7	129.3 ± 12.0	77.4 ± 8.1	130.4 ± 8.6	77.1 ± 10.4
Change from baseline	-11.0 ± 8.1***	-4.7 ± 5.1***	-11.1 ± 7.8***	-5.0 ± 5.9**	-11.0 ± 8.4***	-4.6 ± 4.7***
Week 10, <i>n</i>	55	55	17	17	38	38
Mean ± SD	129.8 ± 10.1	77.3 ± 10.3	129.4 ± 11.8	77.4 ± 8.8	130.0 ± 9.4	77.3 ± 11.0
Change from baseline	-11.1 ± 8.7***	-4.4 ± 6.5***	-10.8 ± 6.8***	-5.4 ± 5.7**	-11.2 ± 9.6***	-3.9 ± 6.8**
Week 12, <i>n</i>	55	55	17	17	38	38
Mean ± SD	130.0 ± 12.3	76.4 ± 10.5	129.2 ± 15.0	75.5 ± 10.2	130.4 ± 11.1	76.7 ± 10.7
Change from baseline	-11.1 ± 9.8***	-5.4 ± 7.1***	-11.8 ± 9.2***	-7.3 ± 7.5***	-10.8 ± 10.1***	-4.5 ± 6.8***
Week 24, <i>n</i>	55	55	17	17	38	38
Mean ± SD	129.1 ± 10.9	77.3 ± 10.6	125.8 ± 11.6	75.6 ± 9.3	130.5 ± 10.4	78.0 ± 11.2
Change from baseline	-11.8 ± 10.5***	-4.6 ± 6.7***	-13.8 ± 9.1***	-6.4 ± 6.7**	-11.0 ± 11.1***	-3.8 ± 6.7**
EOT, <i>n</i>	58	58	19	19	39	39
Mean ± SD	129.5 ± 11.7	77.4 ± 10.5	127.5 ± 14.2	76.3 ± 9.5	130.5 ± 10.3	77.9 ± 11.0
Change from baseline	-11.5 ± 10.7***	-4.5 ± 6.6***	-12.6 ± 10.3***	-6.1 ± 6.6***	-10.9 ± 10.9***	-3.7 ± 6.6**
Office BP						
Baseline, <i>n</i>	58	58	19	19	39	39
Mean ± SD	145.9 ± 14.3	85.3 ± 12.8	144.9 ± 12.7	85.4 ± 11.9	146.3 ± 15.1	85.2 ± 13.3

Week 4, <i>n</i>	57	57	18	18	39	39
Mean ± SD	137.4 ± 11.2	82.5 ± 12.2	139.2 ± 12.1	82.0 ± 10.4	136.6 ± 10.8	82.7 ± 13.1
Change from baseline	-8.1 ± 16.5***	-2.6 ± 9.3*	-4.5 ± 18.1	-2.7 ± 9.8	-9.8 ± 15.6***	-2.5 ± 9.2
Week 8, <i>n</i>	33	33	9	9	24	24
Mean ± SD	135.7 ± 14.8	82.5 ± 10.6	138.6 ± 16.4	85.0 ± 10.6	134.6 ± 14.4	81.6 ± 10.7
Change from baseline	-13.2 ± 15.1***	-5.4 ± 9.9**	-7.4 ± 14.2	-1.4 ± 10.8	-15.4 ± 15.1***	-6.8 ± 9.4**
Week 12, <i>n</i>	56	56	18	18	38	38
Mean ± SD	131.9 ± 12.5	79.6 ± 10.9	126.9 ± 10.2	78.0 ± 10.2	134.2 ± 12.9	80.3 ± 11.3
Change from baseline	-13.9 ± 14.2***	-5.9 ± 9.5***	-16.8 ± 11.1***	-6.7 ± 9.2**	-12.5 ± 15.3***	-5.6 ± 9.8**
Week 24, <i>n</i>	52	52	15	15	37	37
Mean ± SD	130.8 ± 11.3	78.5 ± 11.6	126.9 ± 12.7	76.5 ± 12.4	132.3 ± 10.4	79.3 ± 11.3
Change from baseline	-14.9 ± 15.0***	-7.3 ± 9.0***	-16.6 ± 15.6**	-7.5 ± 9.8*	-14.3 ± 15.0***	-7.2 ± 8.8***
EOT, <i>n</i>	57	57	18	18	39	39
Mean ± SD	130.4 ± 10.9	78.5 ± 11.3	127.0 ± 11.6	77.8 ± 11.8	131.9 ± 10.3	78.8 ± 11.2
Change from baseline	-15.1 ± 14.4***	-6.5 ± 9.3***	-16.7 ± 14.1***	-6.9 ± 9.7**	-14.4 ± 14.7***	-6.4 ± 9.3***

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired t -test.

BP blood pressure, *CCB* calcium channel blocker, *DBP* diastolic blood pressure, *EOT* end of treatment, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure, *SD* standard deviation

Table S4. Change from baseline in BP (per protocol set)

	Total		Subcohorts			
	N = 46		RASi		CCB	
			n = 15		n = 31	
	SBP, mmHg	DBP, mmHg	SBP, mmHg	DBP, mmHg	SBP, mmHg	DBP, mmHg
Morning home BP						
Baseline, n	46	46	15	15	31	31
Mean ± SD	141.5 ± 8.0	84.6 ± 10.3	140.8 ± 7.9	85.2 ± 6.8	141.9 ± 8.1	84.3 ± 11.8
Week 2, n	42	42	13	13	29	29
Mean ± SD	134.2 ± 10.5	82.3 ± 10.6	134.2 ± 14.3	84.1 ± 9.7	134.2 ± 8.6	81.6 ± 11.0
Change from baseline	-7.0 ± 8.9***	-2.5 ± 4.9**	-6.3 ± 11.7	-2.1 ± 5.7	-7.3 ± 7.6***	-2.7 ± 4.5**
Week 4, n	45	45	14	14	31	31
Mean ± SD	134.1 ± 10.0	81.8 ± 10.5	134.3 ± 11.7	81.7 ± 8.3	134.0 ± 9.4	81.8 ± 11.5
Change from baseline	-7.6 ± 8.2***	-2.7 ± 4.5***	-6.9 ± 7.9**	-3.4 ± 4.3*	-7.9 ± 8.5***	-2.5 ± 4.6**
Week 6, n	44	44	14	14	30	30
Mean ± SD	131.3 ± 9.7	80.6 ± 9.8	133.9 ± 12.8	82.7 ± 8.0	130.1 ± 7.9	79.7 ± 10.6
Change from baseline	-10.0 ± 9.5***	-3.6 ± 5.3***	-7.3 ± 10.1*	-2.4 ± 5.4	-11.2 ± 9.1***	-4.1 ± 5.2***
Week 8, n	45	45	14	14	31	31
Mean ± SD	131.5 ± 9.9	80.5 ± 9.8	132.6 ± 14.0	81.1 ± 8.3	131.0 ± 7.7	80.3 ± 10.6
Change from baseline	-10.2 ± 9.7***	-4.0 ± 5.7***	-8.6 ± 11.8*	-3.9 ± 6.1*	-10.9 ± 8.8***	-4.0 ± 5.6***

Week 10, <i>n</i>	44	44	14	14	30	30
Mean ± SD	130.3 ± 9.0	79.4 ± 8.9	131.4 ± 11.5	79.9 ± 7.4	129.7 ± 7.8	79.2 ± 9.6
Change from baseline	-11.0 ± 9.1***	-4.8 ± 5.1***	-9.8 ± 8.2***	-5.1 ± 5.1**	-11.6 ± 9.6***	-4.6 ± 5.1***
Week 12, <i>n</i>	44	44	14	14	30	30
Mean ± SD	131.2 ± 11.7	79.6 ± 9.8	133.3 ± 14.2	79.9 ± 7.8	130.2 ± 10.5	79.4 ± 10.7
Change from baseline	-10.1 ± 11.0***	-4.6 ± 6.0***	-7.9 ± 11.2*	-5.1 ± 7.7*	-11.1 ± 10.9***	-4.4 ± 5.2***
Week 24, <i>n</i>	43	43	13	13	30	30
Mean ± SD	130.6 ± 11.2	80.3 ± 10.6	129.4 ± 13.5	79.2 ± 8.3	131.1 ± 10.3	80.7 ± 11.5
Change from baseline	-11.0 ± 12.1***	-4.6 ± 6.5***	-11.2 ± 10.1**	-5.8 ± 5.8**	-10.9 ± 13.0***	-4.0 ± 6.7**
EOT, <i>n</i>	46	46	15	15	31	31
Mean ± SD	131.0 ± 12.3	80.4 ± 10.7	131.3 ± 16.1	80.7 ± 8.8	130.8 ± 10.2	80.3 ± 11.6
Change from baseline	-10.5 ± 12.5***	-4.2 ± 6.6***	-9.5 ± 12.1**	-4.5 ± 6.8*	-11.0 ± 12.8***	-4.0 ± 6.6**
Bedtime home BP						
Baseline, <i>n</i>	46	46	15	15	31	31
Mean ± SD	140.0 ± 7.8	81.6 ± 10.8	138.6 ± 8.7	82.3 ± 7.8	140.6 ± 7.4	81.3 ± 12.1
Week 2, <i>n</i>	42	42	13	13	29	29
Mean ± SD	132.9 ± 9.2	79.0 ± 10.2	129.8 ± 11.1	78.7 ± 6.9	134.3 ± 8.0	79.2 ± 11.5
Change from baseline	-7.0 ± 7.0***	-2.6 ± 4.4***	-9.1 ± 6.9***	-4.3 ± 4.4**	-6.1 ± 7.0***	-1.8 ± 4.2*
Week 4, <i>n</i>	45	45	14	14	31	31
Mean ± SD	132.4 ± 9.6	78.5 ± 10.4	128.9 ± 10.9	77.9 ± 8.0	133.9 ± 8.6	78.8 ± 11.4
Change from baseline	-7.7 ± 7.6***	-3.1 ± 4.8***	-9.9 ± 6.8***	-4.4 ± 4.3**	-6.7 ± 7.9***	-2.5 ± 5.0*

Week 6, <i>n</i>	44	44	14	14	30	30
Mean ± SD	129.1 ± 7.7	77.0 ± 9.3	127.7 ± 10.3	77.3 ± 7.6	129.8 ± 6.2	76.9 ± 10.1
Change from baseline	-10.7 ± 7.7***	-4.2 ± 5.1***	-11.1 ± 8.1***	-5.0 ± 6.1**	-10.6 ± 7.6***	-3.8 ± 4.6***
Week 8, <i>n</i>	45	45	14	14	31	31
Mean ± SD	129.3 ± 9.1	77.1 ± 9.9	128.1 ± 13.2	77.6 ± 8.9	129.8 ± 6.7	76.9 ± 10.5
Change from baseline	-10.8 ± 8.2***	-4.5 ± 5.1***	-10.7 ± 8.5***	-4.6 ± 6.6*	-10.8 ± 8.2***	-4.4 ± 4.4***
Week 10, <i>n</i>	44	44	14	14	30	30
Mean ± SD	129.0 ± 9.4	76.7 ± 9.9	128.6 ± 12.3	76.7 ± 9.2	129.2 ± 7.9	76.7 ± 10.3
Change from baseline	-10.8 ± 8.6***	-4.5 ± 5.8***	-10.1 ± 7.0***	-5.6 ± 6.2**	-11.1 ± 9.4***	-4.0 ± 5.7***
Week 12, <i>n</i>	43	43	13	13	30	30
Mean ± SD	128.9 ± 11.7	75.6 ± 10.0	128.5 ± 16.1	75.2 ± 10.5	129.1 ± 9.5	75.7 ± 10.0
Change from baseline	-11.2 ± 10.0***	-5.8 ± 6.7***	-10.9 ± 9.9**	-7.6 ± 8.4**	-11.3 ± 10.2***	-5.1 ± 5.9***
Week 24, <i>n</i>	43	43	13	13	30	30
Mean ± SD	128.8 ± 10.4	77.3 ± 10.6	124.9 ± 12.0	75.8 ± 9.7	130.5 ± 9.3	78.0 ± 11.1
Change from baseline	-11.0 ± 10.7***	-4.2 ± 6.2***	-12.8 ± 9.8***	-5.9 ± 7.5*	-10.2 ± 11.2***	-3.5 ± 5.5**
EOT, <i>n</i>	46	46	15	15	31	31
Mean ± SD	129.4 ± 11.4	77.5 ± 10.5	127.1 ± 15.1	76.7 ± 9.8	130.5 ± 9.2	77.9 ± 11.0
Change from baseline	-10.6 ± 10.9***	-4.1 ± 6.1***	-11.5 ± 11.0**	-5.5 ± 7.3*	-10.2 ± 11.0***	-3.4 ± 5.5**
Office BP						
Baseline, <i>n</i>	46	46	15	15	31	31
Mean ± SD	145.6 ± 14.9	85.6 ± 12.9	146.1 ± 14.2	86.8 ± 12.5	145.3 ± 15.5	85.0 ± 13.3

Week 4, <i>n</i>	45	45	14	14	31	31
Mean ± SD	137.7 ± 10.4	82.9 ± 12.3	141.7 ± 11.4	84.7 ± 8.0	135.9 ± 9.6	82.1 ± 13.9
Change from baseline	-7.4 ± 17.7**	-2.4 ± 9.5	-2.8 ± 19.3	-1.3 ± 9.8	-9.4 ± 16.8**	-3.0 ± 9.5
Week 8, <i>n</i>	26	26	6	6	20	20
Mean ± SD	136.7 ± 14.4	83.7 ± 9.6	145.3 ± 16.3	89.8 ± 7.8	134.2 ± 13.2	81.9 ± 9.5
Change from baseline	-12.9 ± 15.3***	-5.1 ± 8.5**	-3.5 ± 16.2	-1.5 ± 9.9	-15.7 ± 14.2***	-6.2 ± 7.9**
Week 12, <i>n</i>	44	44	14	14	30	30
Mean ± SD	130.5 ± 10.3	78.9 ± 10.5	127.0 ± 10.8	78.5 ± 11.1	132.1 ± 9.9	79.0 ± 10.4
Change from baseline	-14.9 ± 14.0***	-7.0 ± 8.9***	-17.5 ± 11.6***	-7.5 ± 10.0*	-13.7 ± 15.0***	-6.8 ± 8.6***
Week 24, <i>n</i>	42	42	12	12	30	30
Mean ± SD	130.1 ± 8.8	77.8 ± 11.0	126.3 ± 9.3	76.2 ± 12.3	131.7 ± 8.2	78.4 ± 10.5
Change from baseline	-15.2 ± 14.2***	-8.1 ± 7.9***	-18.0 ± 12.8***	-9.7 ± 7.8**	-14.1 ± 14.8***	-7.4 ± 8.0***
EOT, <i>n</i>	45	45	14	14	31	31
Mean ± SD	129.9 ± 8.6	77.7 ± 10.8	126.6 ± 8.7	77.1 ± 11.7	131.4 ± 8.3	78.0 ± 10.6
Change from baseline	-15.2 ± 13.8***	-7.6 ± 8.2***	-17.9 ± 11.8***	-8.9 ± 8.4**	-13.9 ± 14.6***	-7.0 ± 8.2***

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired *t*-test.

BP blood pressure, *CCB* calcium channel blocker, *DBP* diastolic blood pressure, *EOT* end of treatment, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure, *SD* standard deviation

Table S5. Achievement rate of target BP levels at Week 24 (full analysis set)

	Total	Subcohorts	
		RASi	CCB
	<i>N</i> = 58	<i>n</i> = 19	<i>n</i> = 39
Morning home BP			
<i>n</i> (%)	33 (56.9)	12 (63.2)	21 (53.8)
95% CI	[43.2, 69.8]	[38.4, 83.7]	[37.2, 69.9]
Bedtime home BP			
<i>n</i> (%)	35 (60.3)	13 (68.4)	22 (56.4)
95% CI	[46.6, 73.0]	[43.4, 87.4]	[39.6, 72.2]
Office BP			
<i>n</i> (%)	39 (67.2)	12 (63.2)	27 (69.2)
95% CI	[53.7, 79.0]	[38.4, 83.7]	[52.4, 83.0]

95% CIs were calculated using the Clopper-Pearson method. The achievement rate of target BP levels was defined as home SBP/DBP < 135/85 mmHg and office SBP/DBP < 140/90 mmHg in the sitting position at Week 24.

BP blood pressure, *CCB* calcium channel blocker, *CI* confidence interval, *DBP* diastolic blood pressure, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure

Table S6. Achievement rate of target BP levels at Week 24 (per protocol set)

	Subcohorts		
	Total <i>N</i> = 46	RASi <i>n</i> = 15	CCB <i>n</i> = 31
Morning home BP			
<i>n</i> (%)	26 (56.5)	9 (60.0)	17 (54.8)
95% CI	[41.1, 71.1]	[32.3, 83.7]	[36.0, 72.7]
Bedtime home BP			
<i>n</i> (%)	28 (60.9)	10 (66.7)	18 (58.1)
95% CI	[45.4, 74.9]	[38.4, 88.2]	[39.1, 75.5]
Office BP			
<i>n</i> (%)	33 (71.7)	10 (66.7)	23 (74.2)
95% CI	[56.5, 84.0]	[38.4, 88.2]	[55.4, 88.1]

95% CIs were calculated using the Clopper-Pearson method. The achievement rate of target BP levels was defined as home SBP/DBP < 135/85 mmHg and office SBP/DBP < 140/90 mmHg in the sitting position at Week 24.

BP blood pressure, *CCB* calcium channel blocker, *CI* confidence interval, *DBP* diastolic blood pressure, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure

Table S7. Changes from baseline in LVM and LVMI (full analysis set)

			Subcohorts					
			Total	RASi		CCB		
			<i>N</i>	<i>N</i> = 58	<i>n</i>	<i>n</i> = 19	<i>n</i>	<i>n</i> = 39
LVM, g								
Baseline	Mean ± SD	56	197.4 ± 50.9	17	216.9 ± 47.8	39	188.9 ± 50.5	
Week 12	Mean ± SD	56	182.4 ± 50.4	18	191.6 ± 50.3	38	178.0 ± 50.5	
	Change from baseline	54	−13.0 ± 27.0	16	−19.3 ± 24.3	38	−10.3 ± 27.9	
	95% CI		[−20.3, −5.6]***		[−32.3, −6.4]**		[−19.5, −1.1]*	
	Percentage change from baseline	54	−6.9 ± 15.5	16	−8.8 ± 12.6	38	−6.1 ± 16.7	
	95% CI		[−10.5, −3.2]***		[−14.4, −2.8]**		[−10.8, −1.2]*	
Week 24	Mean ± SD	52	175.8 ± 44.3	15	190.4 ± 44.6	37	169.9 ± 43.4	
	Change from baseline	50	−17.5 ± 34.3	13	−30.1 ± 28.1	37	−13.1 ± 35.6	
	95% CI		[−27.3, −7.8]***		[−47.0, −13.1]**		[−25.0, −1.2]*	
	Percentage change from baseline	50	−9.4 ± 20.8	13	−13.5 ± 14.7	37	−7.9 ± 22.5	
	95% CI		[−14.2, −4.4]***		[−20.4, −6.1]**		[−14.0, −1.5]*	
EOT	Mean ± SD	56	180.1 ± 48.1	18	192.5 ± 41.2	38	174.3 ± 50.5	
	Change from baseline	54	−16.9 ± 33.7	16	−23.6 ± 28.7	38	−14.0 ± 35.5	
	95% CI		[−26.1, −7.7]***		[−39.0, −8.3]**		[−25.7, −2.4]*	
	Percentage change from baseline	54	−8.9 ± 20.2	16	−10.8 ± 15.1	38	−8.1 ± 22.2	
	95% CI		[−13.3, −4.2]***		[−17.2, −3.8]**		[−13.9, −1.8]*	

LVMI, g/m ²							
Baseline	Mean ± SD	56	118.1 ± 29.1	17	127.9 ± 27.4	39	113.9 ± 29.1
Week 12	Mean ± SD	56	109.5 ± 28.3	18	113.2 ± 28.2	38	107.8 ± 28.6
	Change from baseline	54	-7.6 ± 17.0	16	-10.9 ± 14.6	38	-6.2 ± 17.9
	95% CI		[-12.3, -3.0]**		[-18.6, -3.1]**		[-12.1, -0.4]*
	Percentage change from baseline	54	-6.5 ± 15.5	16	-8.2 ± 12.7	38	-5.7 ± 16.7
	95% CI		[-10.1, -2.7]**		[-13.9, -2.2]*		[-10.4, -0.8]*
Week 24	Mean ± SD	52	106.3 ± 25.7	15	113.0 ± 23.6	37	103.6 ± 26.4
	Change from baseline	50	-10.3 ± 20.9	13	-17.8 ± 17.2	37	-7.7 ± 21.6
	95% CI		[-16.3, -4.4]**		[-28.2, -7.4]**		[-14.9, -0.5]*
	Percentage change from baseline	50	-9.1 ± 20.6	13	-13.2 ± 14.5	37	-7.6 ± 22.3
	95% CI		[-13.8, -4.1]***		[-20.1, -5.8]**		[-13.6, -1.2]*
EOT	Mean ± SD	56	108.3 ± 27.3	18	113.7 ± 21.7	38	105.8 ± 29.5
	Change from baseline	54	-9.9 ± 20.5	16	-13.9 ± 17.6	38	-8.2 ± 21.6
	95% CI		[-15.5, -4.3]***		[-23.2, -4.5]**		[-15.3, -1.1]*
	Percentage change from baseline	54	-8.5 ± 20.0	16	-10.4 ± 15.0	38	-7.7 ± 22.0
	95% CI		[-13.0, -3.9]***		[-16.9, -3.5]**		[-13.6, -1.5]*

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired t -test.

CCB calcium channel blocker, CI confidence interval, EOT end of treatment, LVM left ventricular mass, LVMI left ventricular mass index, RASi renin-angiotensin system inhibitor, SD standard deviation

Table S8. Changes from baseline in LVM and LVMI (per protocol set)

		Subcohorts					
		Total		RASi		CCB	
		<i>N</i>	<i>N</i> = 46	<i>n</i>	<i>n</i> = 15	<i>n</i>	<i>n</i> = 31
LVM, g							
Baseline	Mean ± SD	46	194.5 ± 44.9	15	220.2 ± 48.9	31	182.1 ± 37.8
Week 12	Mean ± SD	44	184.5 ± 42.2	14	207.9 ± 34.3	30	173.6 ± 41.6
	Change from baseline	44	-11.2 ± 27.2	14	-19.3 ± 24.9	30	-7.4 ± 27.7
	95% CI		[-19.5, -2.9]**		[-33.7, -4.9]*		[-17.8, 2.9]
	Percentage change from baseline	44	-5.9 ± 15.5	14	-8.2 ± 12.0	30	-4.9 ± 16.9
	95% CI		[-9.9, -1.7]**		[-14.0, -2.0]*		[-10.3, 0.9]
Week 24	Mean ± SD	42	178.2 ± 44.6	12	203.6 ± 39.1	30	168.0 ± 43.2
	Change from baseline	42	-17.9 ± 36.7	12	-30.1 ± 29.3	30	-13.1 ± 38.6
	95% CI		[-29.4, -6.5]**		[-48.7, -11.4]**		[-27.5, 1.3]
	Percentage change from baseline	42	-9.6 ± 22.4	12	-13.1 ± 15.2	30	-8.1 ± 24.8
	95% CI		[-15.1, -3.7]**		[-20.6, -4.9]**		[-15.4, -0.2]*
EOT	Mean ± SD	44	178.9 ± 43.7	14	202.2 ± 36.2	30	168.0 ± 43.2
	Change from baseline	44	-16.8 ± 36.2	14	-24.9 ± 30.1	30	-13.1 ± 38.6
	95% CI		[-27.9, -5.8]**		[-42.2, -7.5]**		[-27.5, 1.3]
	Percentage change from baseline	44	-9.0 ± 22.1	14	-10.9 ± 15.7	30	-8.1 ± 24.8

95% CI			[-14.4, -3.3]**		[-18.1, -3.1]*		[-15.4, -0.2]*
LVMI, g/m ²							
Baseline	Mean ± SD	46	115.1 ± 24.7	15	130.6 ± 27.8	31	107.6 ± 19.4
Week 12	Mean ± SD	44	109.8 ± 24.5	14	123.1 ± 20.2	30	103.6 ± 24.2
	Change from baseline	44	-6.1 ± 16.8	14	-10.7 ± 15.1	30	-4.0 ± 17.4
	95% CI		[-11.2, -1.0]*		[-19.4, -2.0]*		[-10.5, 2.5]
	Percentage change from baseline	44	-5.4 ± 15.5	14	-7.5 ± 12.2	30	-4.4 ± 16.9
	95% CI		[-9.4, -1.2]*		[-13.4, -1.1]*		[-9.8, 1.4]
Week 24	Mean ± SD	42	105.7 ± 25.0	12	119.4 ± 21.7	30	100.2 ± 24.4
	Change from baseline	42	-10.3 ± 22.3	12	-17.9 ± 17.9	30	-7.3 ± 23.4
	95% CI		[-17.3, -3.4]**		[-29.3, -6.5]**		[-16.0, 1.4]
	Percentage change from baseline	42	-9.2 ± 22.2	12	-12.9 ± 15.1	30	-7.7 ± 24.5
	95% CI		[-14.7, -3.4]**		[-20.4, -4.8]**		[-14.9, 0.2]
EOT	Mean ± SD	44	106.2 ± 24.6	14	119.1 ± 20.2	30	100.2 ± 24.4
	Change from baseline	44	-9.6 ± 22.0	14	-14.6 ± 18.6	30	-7.3 ± 23.4
	95% CI		[-16.3, -2.9]**		[-25.3, -3.9]*		[-16.0, 1.4]
	Percentage change from baseline	44	-8.6 ± 21.9	14	-10.6 ± 15.7	30	-7.7 ± 24.5
	95% CI		[-14.0, -2.9]**		[-17.8, -2.7]*		[-14.9, 0.2]

* $p < 0.05$, ** $p < 0.01$ vs. baseline, paired t -test.

CCB calcium channel blocker, *CI* confidence interval, *EOT* end of treatment, *LVM* left ventricular mass, *LVMI* left ventricular mass index, *RASi* renin-angiotensin system inhibitor, *SD* standard deviation

Baseline	Mean ± SD	50	9.7 ± 3.2	14	10.2 ± 2.8	36	9.6 ± 3.4
EOT	Mean ± SD	56	9.3 ± 3.6	18	9.0 ± 2.5	38	9.4 ± 4.0
	Change from baseline		-0.9 ± 2.5		-0.8 ± 2.5		-0.9 ± 2.6
Mean ± SD	95% CI	48	[-1.6, -0.2]*	13	[-2.4, 0.7]	35	[-1.8, 0.0]*
TRV, m/s							
Baseline	Mean ± SD	48	2.2 ± 0.4	15	2.1 ± 0.4	33	2.3 ± 0.3
EOT	Mean ± SD	51	2.2 ± 0.5	14	2.1 ± 0.4	37	2.2 ± 0.5
	Change from baseline		0.0 ± 0.4		-0.0 ± 0.5		0.0 ± 0.4
	95% CI	45	[-0.1, 0.1]	13	[-0.3, 0.3]	32	[-0.1, 0.1]

* $p < 0.05$ vs. baseline, paired t -test.

CCB calcium channel blocker, *CI* confidence interval, *E/A* ratio between the E-wave velocity and A-wave velocity of the pulsed-wave Doppler mitral flow image, *E/e'* ratio between E-wave velocity and the average early diastolic velocity of the lateral and septum at the mitral annulus level, *EOT* end of treatment, *LAVI* left atrial volume index, *LVEF* left ventricular ejection fraction, *RASi* renin-angiotensin system inhibitor, *SD* standard deviation, *TRV* tricuspid regurgitation velocity

Baseline	Mean ± SD	40	9.4 ± 3.1	12	9.9 ± 2.8	28	9.2 ± 3.2
EOT	Mean ± SD	44	9.2 ± 3.8	14	9.4 ± 2.6	30	9.1 ± 4.2
	Change from baseline	38	-0.8 ± 2.5	11	-0.2 ± 2.1	27	-1.1 ± 2.6
	95% CI		[-1.6, 0.0]*		[-1.5, 1.2]		[-2.1, 0.0]*
TRV, m/s							
Baseline	Mean ± SD	41	2.2 ± 0.3	14	2.2 ± 0.4	27	2.3 ± 0.3
EOT	Mean ± SD	43	2.2 ± 0.4	13	2.1 ± 0.4	30	2.3 ± 0.4
	Change from baseline	38	-0.0 ± 0.4	12	-0.1 ± 0.5	26	0.0 ± 0.4
	95% CI		[-0.2, 0.1]		[-0.4, 0.2]		[-0.2, 0.2]

* $p < 0.05$, ** $p < 0.01$ vs. baseline, paired t -test.

CCB calcium channel blocker, *CI* confidence interval, *E/A* ratio between the E-wave velocity and A-wave velocity of the pulsed-wave Doppler mitral flow image, *E/e'* ratio between E-wave velocity and the average early diastolic velocity of the lateral and septum at the mitral annulus level, *EOT* end of treatment, *LAVI* left atrial volume index, *LVEF* left ventricular ejection fraction, *RASi* renin-angiotensin system inhibitor, *SD* standard deviation, *TRV* tricuspid regurgitation velocity

Table S11. Changes in blood biomarker data from baseline (full analysis set)

			Subcohorts				
			Total	RASi		CCB	
		<i>N</i>	<i>N</i> = 58	<i>n</i>	<i>n</i> = 19	<i>n</i>	<i>n</i> = 39
NT-proBNP, pg/ml							
Baseline	Mean ± SD	58	191.8 ± 249.4	19	165.9 ± 154.8	39	204.5 ± 285.4
Week 12	Mean ± SD	55	202.6 ± 363.1	18	141.8 ± 208.0	37	232.1 ± 417.8
	Change from baseline	55	9.7 ± 219.6	18	−26.8 ± 116.7	37	27.5 ± 254.7
	Percentage change from baseline	55	−15.9 ± 57.7	18	−23.0 ± 60.5	37	−12.2 ± 56.4
	95% CI		[−25.6, −4.9]**		[−39.1, −2.6]*		[−24.4, 1.9]
Week 24	Mean ± SD	52	168.5 ± 259.5	15	142.2 ± 157.7	37	179.2 ± 292.1
	Change from baseline	52	−7.8 ± 134.5	15	−18.0 ± 101.2	37	−3.6 ± 147.0
	Percentage change from baseline	52	−13.9 ± 67.8	15	−9.3 ± 100.0	37	−15.7 ± 54.9
	95% CI		[−25.5, −0.6]*		[−38.2, 33.1]		[−27.1, −2.5]*
EOT	Mean ± SD	56	175.6 ± 258.8	18	141.2 ± 144.3	38	191.9 ± 298.6
	Change from baseline	56	−14.1 ± 132.3	18	−27.5 ± 95.8	38	−7.7 ± 147.1
	Percentage change from baseline	56	−15.4 ± 65.7	18	−14.4 ± 91.0	38	−15.8 ± 54.0
	95% CI		[−26.1, −3.1]*		[−37.9, 18.1]		[−26.9, −3.0]*
PAC, pg/ml							
Baseline	Mean ± SD	58	37.6 ± 22.6	19	24.5 ± 9.1	39	44.0 ± 24.4

Week 12	Mean ± SD	55	77.7 ± 63.5	18	47.4 ± 49.9	37	92.5 ± 64.7
	Change from baseline	55	40.7 ± 47.2***	18	23.3 ± 45.8*	37	49.2 ± 46.1***
Week 24	Mean ± SD	52	78.6 ± 60.0	15	62.0 ± 79.9	37	85.4 ± 49.6
	Change from baseline	52	42.0 ± 52.9***	15	38.0 ± 76.0	37	43.7 ± 41.3***
EOT	Mean ± SD	56	77.7 ± 59.8	18	57.8 ± 74.1	38	87.1 ± 50.1
	Change from baseline	56	40.7 ± 51.6***	18	33.7 ± 70.1	38	44.0 ± 40.7***
PRA, ng/ml/h							
Baseline	Mean ± SD	58	1.3 ± 1.3	19	1.7 ± 1.7	39	1.1 ± 1.0
Week 12	Mean ± SD	54	3.4 ± 4.7	18	5.5 ± 7.2	36	2.3 ± 2.3
	Change from baseline	54	2.1 ± 3.8***	18	3.9 ± 5.9*	36	1.2 ± 1.5***
Week 24	Mean ± SD	52	3.1 ± 5.6	15	6.0 ± 9.7	37	1.9 ± 1.5
	Change from baseline	52	1.9 ± 5.2*	15	4.6 ± 9.3	37	0.8 ± 1.0***
EOT	Mean ± SD	56	3.5 ± 6.1	18	6.6 ± 10.0	38	2.0 ± 1.5
	Change from baseline	56	2.2 ± 5.6**	18	5.1 ± 9.4*	38	0.9 ± 1.0***

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired t -test.

CCB calcium channel blocker, *CI* confidence interval, *EOT* end of treatment, *NT-proBNP* N-terminal pro-brain natriuretic peptide, *PAC* plasma aldosterone concentration, *PRA* plasma renin activity, *RASi* renin-angiotensin system inhibitor, *SD* standard deviation

Table S12. Changes in blood biomarker data from baseline (per protocol set)

		Subcohorts					
		Total	RASi		CCB		
		<i>N</i>	<i>N</i> = 46	<i>n</i>	<i>n</i> = 15	<i>n</i>	<i>n</i> = 31
NT-proBNP, pg/ml							
Baseline	Mean ± SD	46	148.4 ± 180.2	15	182.2 ± 158.8	31	132.1 ± 190.0
Week 12	Mean ± SD	44	131.8 ± 212.4	14	158.3 ± 232.1	30	119.4 ± 205.4
	Change from baseline	44	-11.9 ± 109.5	14	-28.6 ± 128.8	30	-4.1 ± 100.7
	Percentage change from baseline	44	-20.0 ± 54.3	14	-29.8 ± 57.7	30	-15.0 ± 51.7
	95% CI		[-29.9, -8.8]**		[-46.1, -8.7]*		[-27.3, -0.7]*
Week 24	Mean ± SD	42	148.6 ± 248.1	12	164.8 ± 168.9	30	142.2 ± 275.7
	Change from baseline	42	5.8 ± 134.6	12	-26.5 ± 112.3	30	18.6 ± 142.2
	Percentage change from baseline	42	-14.5 ± 70.7	12	-18.2 ± 107.7	30	-13.0 ± 56.4
	95% CI		[-27.6, 1.0]		[-48.6, 30.2]		[-26.4, 2.8]
EOT	Mean ± SD	44	147.0 ± 242.5	14	157.2 ± 157.1	30	142.2 ± 275.7
	Change from baseline	44	3.3 ± 132.0	14	-29.7 ± 103.8	30	18.6 ± 142.2
	Percentage change from baseline	44	-15.5 ± 69.3	14	-20.5 ± 97.7	30	-13.0 ± 56.4
	95% CI		[-28.0, -0.8]*		[-46.4, 17.8]		[-26.4, 2.8]
PAC, pg/ml							
Baseline	Mean ± SD	46	36.7 ± 22.8	15	22.6 ± 8.2	31	43.4 ± 24.6

Week 12	Mean ± SD	44	76.3 ± 63.4	14	36.2 ± 29.6	30	95.0 ± 66.5
	Change from baseline	44	40.4 ± 45.5***	14	14.2 ± 27.9	30	52.7 ± 47.2***
Week 24	Mean ± SD	42	74.8 ± 46.4	12	45.5 ± 34.9	30	86.5 ± 45.7
	Change from baseline	42	38.0 ± 36.6***	12	22.7 ± 33.1*	30	44.2 ± 36.7***
EOT	Mean ± SD	44	72.2 ± 46.9	14	41.5 ± 33.7	30	86.5 ± 45.7
	Change from baseline	44	36.3 ± 36.6***	14	19.5 ± 31.5*	30	44.2 ± 36.7***
PRA, ng/ml/h							
Baseline	Mean ± SD	46	1.2 ± 1.2	15	1.4 ± 1.5	31	1.1 ± 1.1
Week 12	Mean ± SD	43	2.8 ± 3.1	14	3.7 ± 4.2	29	2.3 ± 2.4
	Change from baseline	43	1.6 ± 2.2***	14	2.5 ± 3.1**	29	1.2 ± 1.6***
Week 24	Mean ± SD	42	3.2 ± 6.0	12	6.3 ± 10.7	30	2.0 ± 1.5
	Change from baseline	42	2.1 ± 5.7*	12	5.1 ± 10.3	30	0.9 ± 1.0***
EOT	Mean ± SD	44	3.2 ± 5.9	14	5.7 ± 9.9	30	2.0 ± 1.5
	Change from baseline	44	2.0 ± 5.6*	14	4.5 ± 9.6	30	0.9 ± 1.0***

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired t -test.

CCB calcium channel blocker, *CI* confidence interval, *EOT* end of treatment, *NT-proBNP* N-terminal pro-brain natriuretic peptide, *PAC* plasma aldosterone concentration, *PRA* plasma renin activity, *RASi* renin-angiotensin system inhibitor, *SD* standard deviation

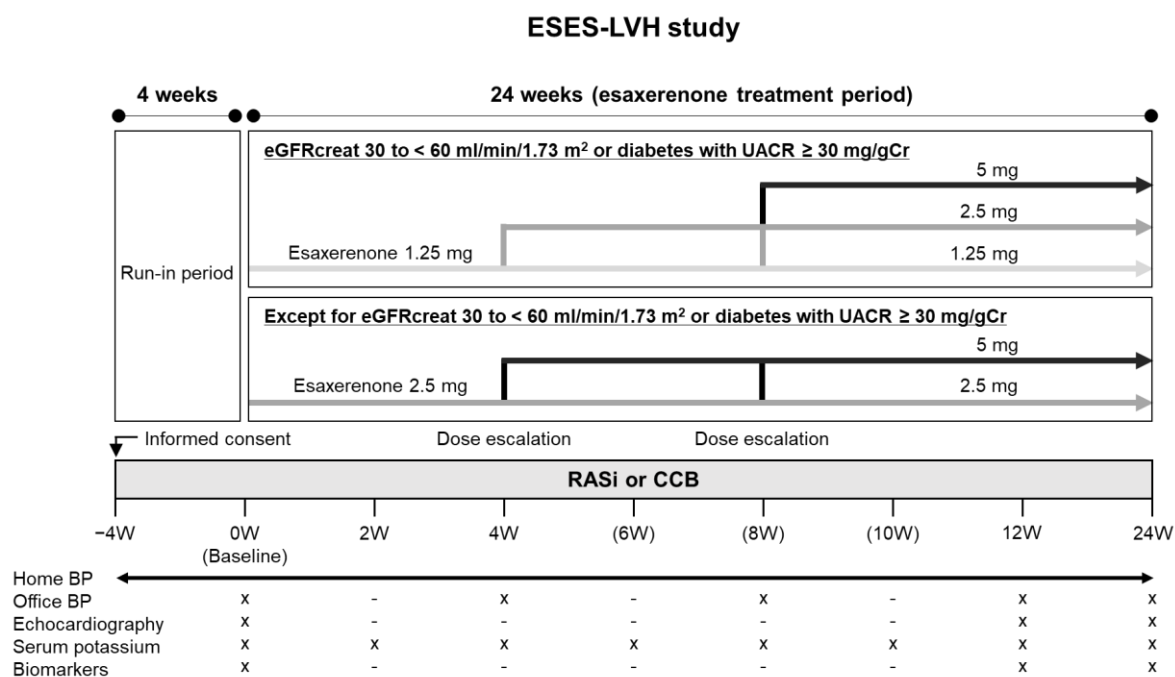
Table S13. Incidences of serum potassium level ≥ 5.5 and ≥ 6.0 mEq/l (safety analysis set)

	Total	Subcohorts	
		RASi	CCB
	<i>N</i> = 60	<i>n</i> = 21	<i>n</i> = 39
Serum potassium ≥ 5.5 mEq/l	3 (5.0)	1 (4.8)	2 (5.1)
Serum potassium ≥ 6.0 mEq/l	0 (0.0)	0 (0.0)	0 (0.0)

Data are *n* (%).

CCB calcium channel blocker, RASi renin-angiotensin system inhibitor

Supplementary Figures

**Fig. S1** Study design

BP blood pressure, *CCB* calcium channel blocker, *eGFR_{creat}* creatinine-based estimated glomerular filtration rate, *RASi* renin-angiotensin system inhibitor, *UACR* urine albumin-creatinine ratio, *W* weeks

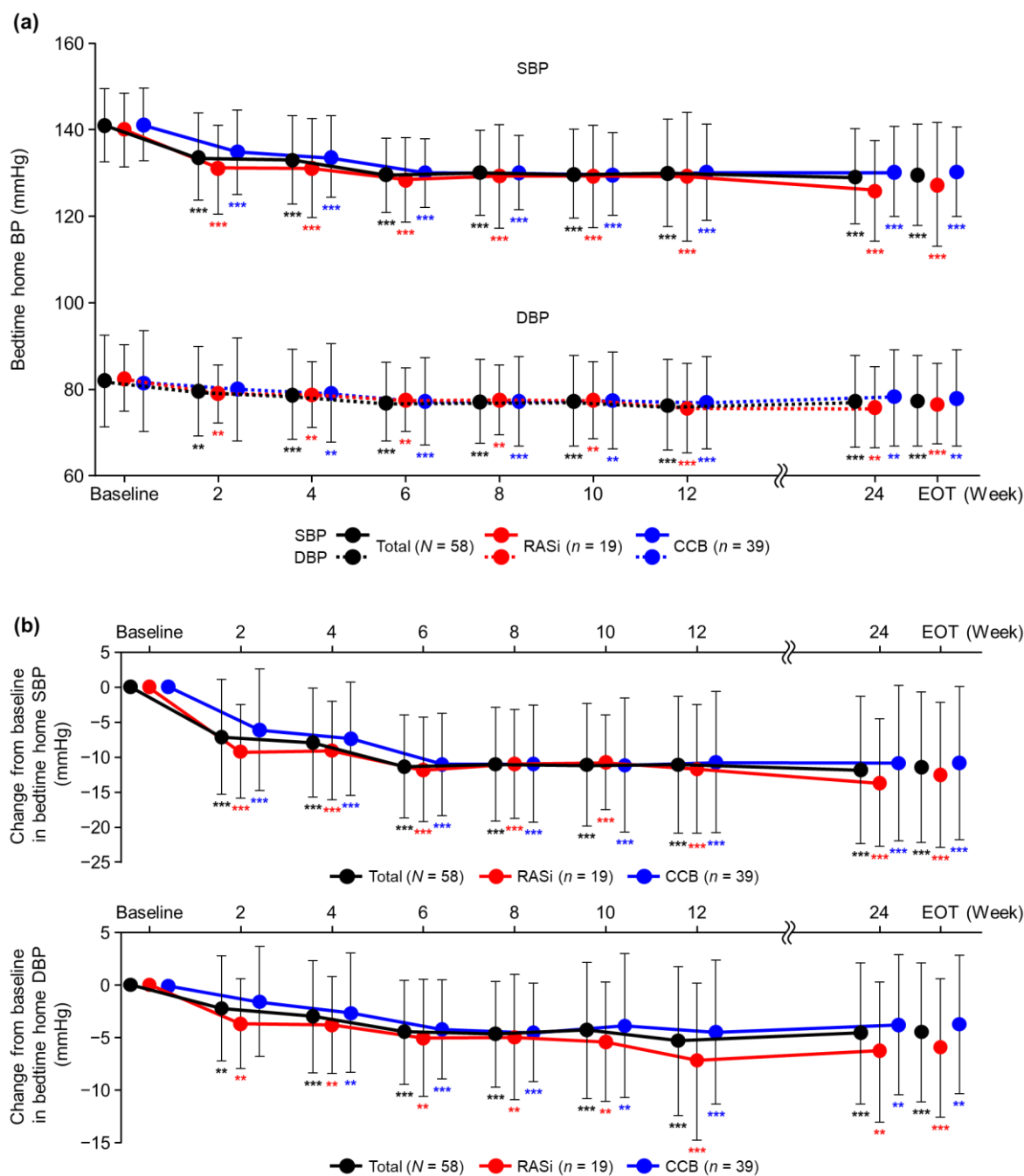


Fig. S2 Time course changes (a) and changes from baseline (b) in bedtime home BP throughout the study period in the total population and RASi and CCB subcohorts (full analysis set).

Data are mean $\pm$ standard deviations.

$**p < 0.01$, $***p < 0.001$ vs. baseline, paired t -test.

BP blood pressure, *CCB* calcium channel blocker, *DBP* diastolic blood pressure, *EOT* end of treatment, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure

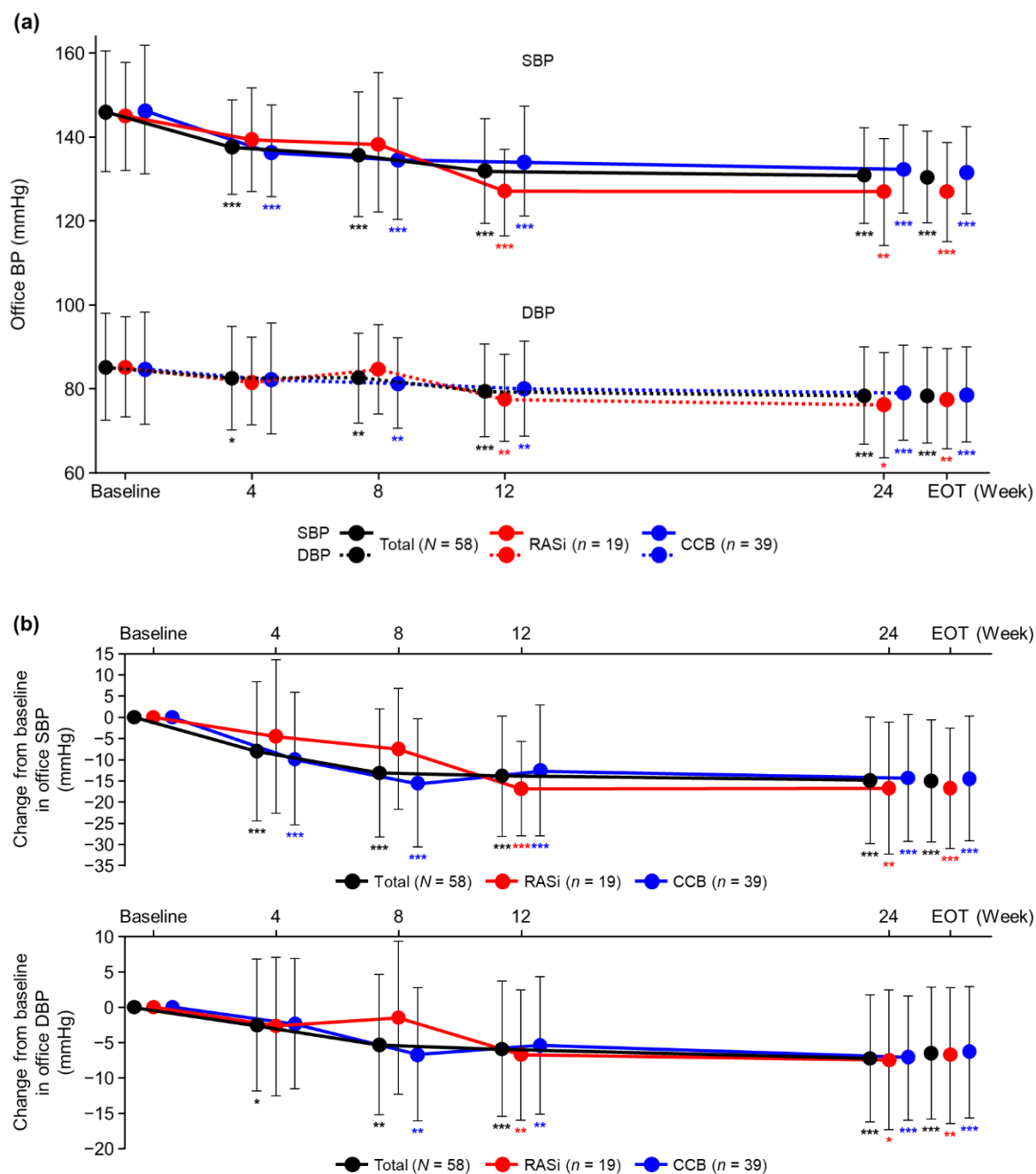


Fig. S3 Time course changes (a) and changes from baseline (b) in office BP throughout the study period in the total population and RASi and CCB subcohorts (full analysis set). Data are mean $\pm$ standard deviations.

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. baseline, paired t -test.

BP blood pressure, *CCB* calcium channel blocker, *DBP* diastolic blood pressure, *EOT* end of treatment, *RASi* renin-angiotensin system inhibitor, *SBP* systolic blood pressure

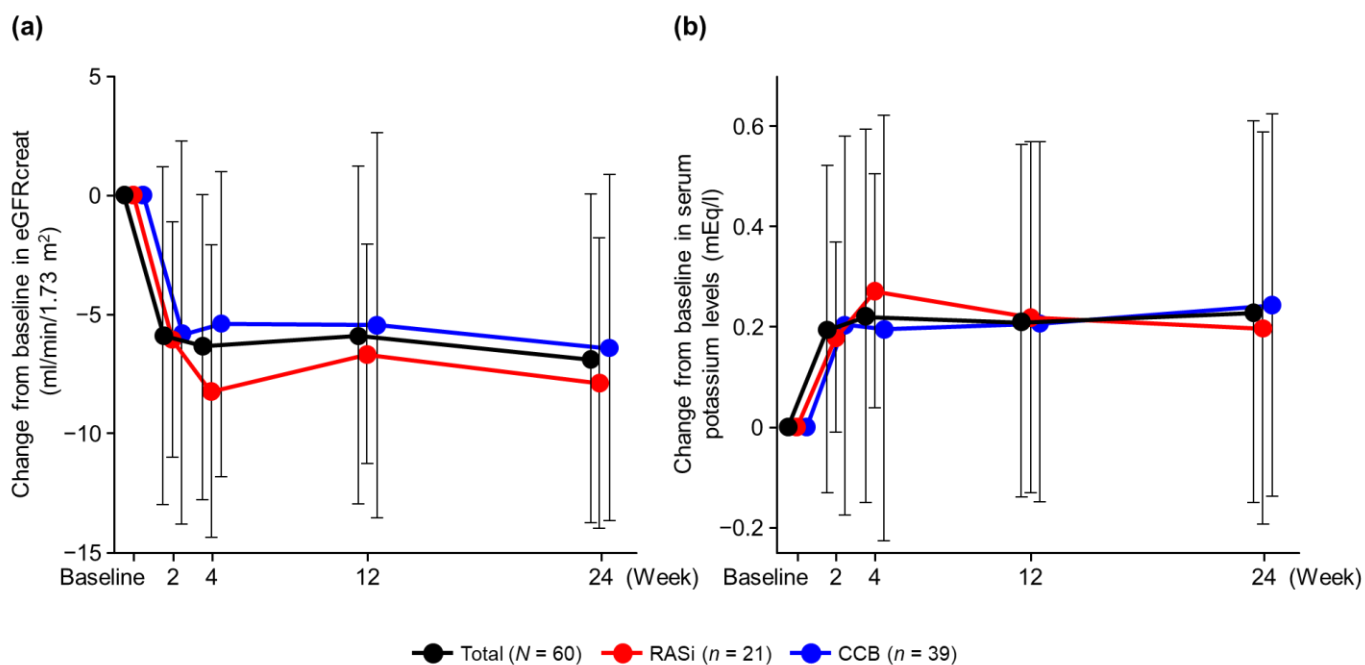


Fig. S4 Time course changes from baseline in eGFR_{creat} (a) and serum potassium levels (b) throughout the study period in the total population and RASi and CCB subcohorts (safety analysis set).

Data are mean $\pm$ standard deviations.

CCB calcium channel blocker, eGFR_{creat} creatinine-based estimated glomerular filtration rate, RASi renin-angiotensin system inhibitor