

Supplementary Table S1. Changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment (age <65 years)

	Treatment groups			NEBI/RSV vs. RSV	NEBI/RSV vs. NEBI
	NEBI/RSV (N=52)	RSV (N=50)	NEBI (N=57)	LSmean Difference (95% CI)	LSmean Difference (95% CI)
sitSBP					
Baseline, mmHg (SD)	152.04 (9.51)	150.78 (8.78)	153.21 (10.14)		
Week 8, mmHg (SD)	138.98 (16.34)	145.49 (14.46)	139.71 (16.07)		
Change, mmHg (SD)	-13.06 (12.79)	-5.29 (14.37)	-13.51 (14.98)		
LSmean of change ^a , mmHg (SE)	-12.95 (1.88)	-5.41 (1.92)		-7.54 (-12.88, -2.20)	
LSmean of change ^b , mmHg (SE)	-13.15 (1.94)		-13.42 (1.85)		0.27 (-5.05, 5.59)
sitDBP					
Baseline, mmHg (SD)	96.10 (5.81)	95.97 (8.01)	95.71 (6.08)		
Week 8, mmHg (SD)	87.81 (9.09)	94.05 (9.57)	87.30 (9.07)		
Change, mmHg (SD)	-8.30 (7.49)	-1.92 (7.81)	-8.41 (7.26)		
LSmean of change ^a , mmHg (SE)	-8.28 (1.05)	-1.94 (1.07)		-6.35 (-9.31, -3.38)	
LSmean of change ^b , mmHg (SE)	-8.28 (1.02)		-8.43 (0.98)		0.16 (-2.65, 2.96)
LDL cholesterol					
Baseline, mg/dL (SD)	158.40 (27.65)	153.38 (24.87)	160.84 (30.11)		
Week 8, mg/dL (SD)	80.44 (25.03)	74.58 (21.46)	154.26 (38.98)		
% Change	-48.51 (18.10)	-51.03 (13.69)	-3.54 (20.30)		
LSmean of % change ^a , % (SE)	-48.21 (2.20)	-51.35 (2.25)		3.14 (-3.12, 9.39)	
LSmean of % change ^b , % (SE)	-48.66 (2.64)		-3.40 (2.53)		-45.26 (-52.51, -38.01)

Notes: LSmean^a, least square mean by analysis of covariance model (NEBI/RSV vs RSV) adjusted for baseline value of blood pressure or LDL-C

LSmean^b, least square mean by analysis of covariance model (NEBI/RSV vs NEBI) adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; RSV, rosuvastatin 20 mg alone treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Supplementary Table S2. Changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment (age ≥ 65 years)

	Treatment groups			NEBI/RSV vs. RSV	NEBI/RSV vs. NEBI
	NEBI/RSV (N=40)	RSV (N=41)	NEBI (N=36)	LSmean Difference (95% CI)	LSmean Difference (95% CI)
sitSBP					
Baseline, mmHg (SD)	154.67 (11.15)	154.04 (10.09)	155.09 (8.86)		
Week 8, mmHg (SD)	143.30 (15.57)	146.63 (16.77)	139.49 (16.79)		
Change, mmHg (SD)	-11.37 (13.54)	-7.41 (14.58)	-15.60 (15.49)		
LSmean of change ^a , mmHg (SE)	-11.30 (2.21)	-7.48 (2.18)		-3.83 (-10.01, 2.36)	
LSmean of change ^b , mmHg (SE)	-11.42 (2.27)		-15.54 (2.39)		4.12 (-2.46, 10.70)
sitDBP					
Baseline, mmHg (SD)	89.51 (10.11)	90.07 (8.71)	89.73 (8.44)		
Week 8, mmHg (SD)	81.46 (8.46)	87.49 (11.41)	80.63 (10.01)		
Change, mmHg (SD)	-8.05 (7.61)	-2.58 (7.28)	-9.10 (9.03)		
LSmean of change ^a , mmHg (SE)	-8.12 (1.13)	-2.51 (1.11)		-5.61 (-8.76, -2.45)	
LSmean of change ^b , mmHg (SE)	-8.09 (1.18)		-9.05 (1.24)		0.96 (-2.44, 4.36)
LDL cholesterol					
Baseline, mg/dL (SD)	154.10 (22.29)	151.56 (30.58)	151.78 (29.91)		
Week 8, mg/dL (SD)	79.48 (22.42)	78.88 (34.93)	156.28 (33.30)		
% Change	-48.56 (12.18)	-48.53 (17.32)	3.42 (14.27)		
LSmean of % change ^a , % (SE)	-48.66 (2.37)	-48.43 (2.34)		-0.23 (-6.85, 6.40)	
LSmean of % change ^b , % (SE)	-48.52 (2.10)		3.38 (2.21)		-51.90 (-57.99, -45.82)

Notes: LSmean^a, least square mean by analysis of covariance model (NEBI/RSV vs RSV) adjusted for baseline value of blood pressure or LDL-C

LSmean^b, least square mean by analysis of covariance model (NEBI/RSV vs NEBI) adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; RSV, rosuvastatin 20 mg alone treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Supplementary Table S3. Changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment (men)

	Treatment groups			NEBI/RSV vs. RSV	NEBI/RSV vs. NEBI
	NEBI/RSV (N=68)	RSV (N=65)	NEBI (N=76)	LSmean Difference (95% CI)	LSmean Difference (95% CI)
sitSBP					
Baseline, mmHg (SD)	152.35 (10.28)	152.86 (9.88)	154.56 (10.37)		
Week 8, mmHg (SD)	141.23 (16.17)	147.28 (15.84)	140.71 (16.64)		
Change, mmHg (SD)	-11.13 (13.14)	-5.58 (14.19)	-13.85 (15.25)		
LSmean of change ^a , mmHg (SE)	-11.17 (1.65)	-5.54 (1.69)		-5.62 (-10.30, -0.95)	
LSmean of change ^b , mmHg (SE)	-11.35 (1.73)		-13.65 (1.63)		2.30 (-2.42, 7.01)
sitDBP					
Baseline, mmHg (SD)	94.04 (8.50)	94.21 (8.65)	94.20 (7.85)		
Week 8, mmHg (SD)	86.14 (9.28)	93.04 (10.84)	85.82 (9.72)		
Change, mmHg (SD)	-7.90 (7.85)	-1.17 (6.61)	-8.38 (8.05)		
LSmean of change ^a , mmHg (SE)	-7.91 (0.87)	-1.16 (0.89)		-6.76 (-9.21, -4.30)	
LSmean of change ^b , mmHg (SE)	-7.93 (0.92)		-8.36 (0.87)		0.43 (-2.08, 2.94)
LDL cholesterol					
Baseline, mg/dL (SD)	151.29 (22.80)	148.54 (25.38)	155.12 (28.14)		
Week 8, mg/dL (SD)	77.88 (24.03)	75.98 (30.59)	154.82 (35.48)		
% Change	-48.19 (16.72)	-49.19 (16.17)	0.28 (18.08)		
LSmean of % change ^a , % (SE)	-48.19 (2.00)	-49.20 (2.05)		1.01 (-4.67, 6.69)	
LSmean of % change ^b , % (SE)	-48.38 (2.11)		0.46 (1.99)		-48.84 (-54.58, -43.10)

Notes: LSmean^a, least square mean by analysis of covariance model (NEBI/RSV vs RSV) adjusted for baseline value of blood pressure or LDL-C

LSmean^b, least square mean by analysis of covariance model (NEBI/RSV vs NEBI) adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; RSV, rosuvastatin 20 mg alone treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Supplementary Table S4. Changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment (women)

	Treatment groups			NEBI/RSV vs. RSV	NEBI/RSV vs. NEBI
	NEBI/RSV (N=24)	RSV (N=26)	NEBI (N=17)	LSmean Difference (95% CI)	LSmean Difference (95% CI)
sitSBP					
Baseline, mmHg (SD)	155.55 (10.14)	150.72 (8.38)	151.16 (4.69)		
Week 8, mmHg (SD)	139.82 (16.07)	142.82 (14.27)	134.76 (13.87)		
Change, mmHg (SD)	-15.73 (12.54)	-7.91 (15.15)	-16.40 (14.84)		
LSmean of change ^a , mmHg (SE)	-14.98 (2.87)	-8.59 (2.76)		-6.39 (-14.54, 1.76)	
LSmean of change ^b , mmHg (SE)	-15.44 (2.83)		-16.80 (3.38)		1.36 (-7.70, 10.42)
sitDBP					
Baseline, mmHg (SD)	90.96 (8.56)	91.05 (8.93)	89.81 (5.40)		
Week 8, mmHg (SD)	81.95 (8.94)	86.22 (9.56)	79.78 (9.67)		
Change, mmHg (SD)	-9.01 (6.52)	-4.84 (9.11)	-10.03 (7.55)		
LSmean of change ^a , mmHg (SE)	-9.03 (1.51)	-4.82 (1.46)		-4.21 (-8.43, 0.02)	
LSmean of change ^b , mmHg (SE)	-8.93 (1.42)	-10.14 (1.69)			1.21 (-3.26, 5.67)
LDL cholesterol					
Baseline, mg/dL (SD)	171.38 (27.02)	162.62 (30.24)	167.24 (37.46)		
Week 8, mg/dL (SD)	86.08 (22.55)	77.85 (21.76)	156.06 (42.97)		
% Change	-49.51 (12.74)	-51.68 (13.35)	-5.91 (19.75)		
LSmean of % change ^a , % (SE)	-49.16 (2.67)	-52.00 (2.57)		2.83 (-4.67, 10.34)	
LSmean of % change ^b , % (SE)	-49.36 (3.26)	-6.11 (3.88)			-43.25 (-53.53, -32.98)

Notes: LSmean^a, least square mean by analysis of covariance model (NEBI/RSV vs RSV) adjusted for baseline value of blood pressure or LDL-C

LSmean^b, least square mean by analysis of covariance model (NEBI/RSV vs NEBI) adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; RSV, rosuvastatin 20 mg alone treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Supplementary Table S5. Comparison of changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment between age < 65 years and 65 ≥ years

	NEBI/RSV			NEBI		
	< 65 years	65 ≥ years	LSmean Difference (95% CI)	< 65 years	65 ≥ years	LSmean Difference (95% CI)
n	52	40		57	36	
sitSBP						
Baseline, mmHg (SD)	152.04 (9.51)	154.67 (11.15)		153.21 (10.14)	155.09 (8.86)	
Week 8, mmHg (SD)	138.98 (16.34)	143.30 (15.57)		139.71 (16.07)	139.49 (16.79)	
Change, mmHg (SD)	-13.06 (12.79)	-11.37 (13.54)		-13.51 (14.98)	-15.60 (15.49)	
LSmean of change ^a , mmHg (SE)	-13.17 (1.83)	-11.23 (2.09)	-1.95 (-7.49, 3.59)	-13.73 (1.99)	-15.25 (2.50)	1.52 (-4.84, 7.89)
sitDBP						
Baseline, mmHg (SD)	96.10 (5.81)	89.51 (10.11)		95.71 (6.08)	89.73 (8.44)	
Week 8, mmHg (SD)	87.81 (9.09)	81.46 (8.46)		87.30 (9.07)	80.63 (10.01)	
Change, mmHg (SD)	-8.30 (7.49)	-8.05 (7.61)		-8.41 (7.26)	-9.10 (9.03)	
LSmean of change ^a , mmHg (SE)	-7.34 (1.02)	-9.30 (1.18)	1.96 (-1.25, 5.17)	-7.84 (1.07)	-10.01 (1.37)	2.17 (-1.42, 5.75)
LDL cholesterol						
Baseline, mg/dL (SD)	158.40 (27.65)	154.10 (22.29)		160.84 (30.11)	151.78 (29.91)	
Week 8, mg/dL (SD)	80.44 (25.03)	79.48 (22.42)		154.26 (38.98)	156.28 (33.30)	
% Change	-48.51 (18.10)	-48.56 (12.18)		-3.54 (20.30)	3.42 (14.27)	
LSmean of % change ^a , % (SE)	-48.35 (2.19)	-48.77 (2.50)	0.42 (-6.19, 7.02)	-3.22 (2.41)	2.91 (3.04)	-6.14 (-13.88, 1.61)

Notes: LSmean^a, least square mean by analysis of covariance model adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Supplementary Table S6. Comparison of changes in sitting systolic blood pressure, sitting diastolic blood pressure and LDL cholesterol level from baseline to 8 weeks of treatment between men and women

	NEBI/RSV			NEBI		
	Men	Women	LSmean Difference (95% CI)	Men	Women	LSmean Difference (95% CI)
n	68	24		76	17	
sitSBP						
Baseline, mmHg (SD)	152.35 (10.28)	155.55 (10.14)		154.56 (10.37)	151.16 (4.69)	
Week 8, mmHg (SD)	141.23 (16.17)	139.82 (16.07)		140.71 (16.64)	134.76 (13.87)	
Change, mmHg (SD)	-11.13 (13.14)	-15.73 (12.54)		-13.85 (15.25)	-16.40 (14.84)	
LSmean of change ^a , mmHg (SE)	-11.18 (1.59)	-15.58 (2.68)	4.40 (-1.81, 10.62)	-13.64 (1.72)	-17.32 (3.65)	3.67 (-4.36, 11.70)
sitDBP						
Baseline, mmHg (SD)	94.04 (8.50)	90.96 (8.56)		94.20 (7.85)	89.81 (5.40)	
Week 8, mmHg (SD)	86.14 (9.28)	81.95 (8.94)		85.82 (9.72)	79.78 (9.67)	
Change, mmHg (SD)	-7.90 (7.85)	-9.01 (6.52)		-8.38 (8.05)	-10.03 (7.55)	
LSmean of change ^a , mmHg (SE)	-7.65 (0.86)	-9.71 (1.46)	2.06 (-1.33, 5.45)	-8.20 (0.90)	-10.83 (1.94)	2.63 (-1.65, 6.92)
LDL cholesterol						
Baseline, mg/dL (SD)	151.29 (22.80)	171.38 (27.02)		155.12 (28.14)	167.24 (37.46)	
Week 8, mg/dL (SD)	77.88 (24.03)	86.08 (22.55)		154.82 (35.48)	156.06 (42.97)	
% Change	-48.19 (16.72)	-49.51 (12.74)		0.28 (18.08)	-5.91 (19.75)	
LSmean of % change ^a , % (SE)	-48.65 (1.94)	-48.20 (3.38)	-0.44 (-8.37, 7.49)	0.07 (2.10)	-4.96 (4.47)	5.03 (-4.82, 14.88)

Notes: LSmean^a, least square mean by analysis of covariance model adjusted for baseline value of blood pressure or LDL-C

Abbreviations: NEB/RSV, nebivolol 5 mg/rosuvastatin 20 mg treatment; NEB, nebivolol 5 mg alone treatment; sitSBP: sitting systolic blood pressure; sitDBP: sitting diastolic blood pressure; LDL, low density lipoprotein; LSmean, least square mean; SE, standard error; SD: standard deviation

Table S7: Study centers and IRB approval numbers

	Center	IRB approval number	IRB approval date
1	Seoul National University Bundang Hospital	B-1606/349-003	2016.07.11
2	Asan Medical Center	2016-1010	2016.09.12
3	Chonnam National University Hospital	CNUH-2016-205	2016.08.17
4	Korea University Anam Hospital	ED16109	2016.06.20
5	Keimyung University Dongsan Medical Center	DSMC 2016-05-017	2016.08.12
6	Dong-A University Hospital	DAUHIRB-16-089	2016.05.25
7	Dongguk University Ilsan Hospital	2016-55	2016.06.09
8	Catholic University of Korea Seoul St. Mary's Hospital	KC16MDMT0468	2016.07.13
9	National Health Insurance Service Ilsan Hospital	NHIMC 2016-05-005	2016.08.23
10	Hanyang University Hospital	HYUH 2016-05-013	2016.08.24
11	Seoul Medical Center	2016-099	2016.11.30.
12	Kangwon National University Hospital	KNUH-2016-10-003	2016.11.08
13	Ajou University Medical Center	AJIRB-MED-CT3-16-382	2016.12.02
14	CHA Bundang Medical Center	CHAMC 2016-11-012	2016.12.23.
15	Pusan National University Hospital	H-1611-002-061	2016.11.22
16	Gachon University Gil Medical Center	GCIRB2017-066	2017.02.16
17	Seoul National University Hospital	H-1702-032-829	2017.02.15
18	Kangdong Sacred Heart Hospital	KANGDONG 2017-02-001	2017.03.22
19	Korea University Ansan Hospital	2017AS0145	2017.02.28
20	Chungnam National University Hospital	CNUH 2017-02-030	2017.03.02
21	The Catholic University of Korea St. Paul's Hospital	PC17MDDT0058	2017.09.21
22	Kyung Hee University Hospital	CHUH 2019-09-032	2017.12.27
23	The Catholic University of Korea Daejeon St. Mary's Hospital	DC17MDDT0074	2017.09.25
24	The Catholic University of Korea St. Vincent's Hospital	VC17MDDT0177	2017.10.31
25	Bundang Jesaeng Hospital	IMC17-04	2017.10.10
27	Daegu Catholic University Medical Center	CR-17-114-L	2017.11.08
28	Gangnam Severance Hospital	3-2017-0281	2017.11.29