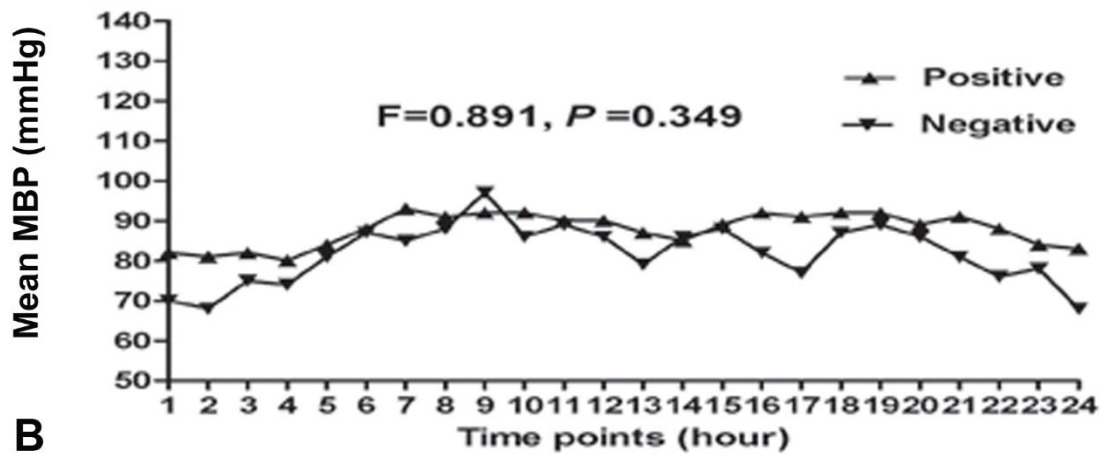
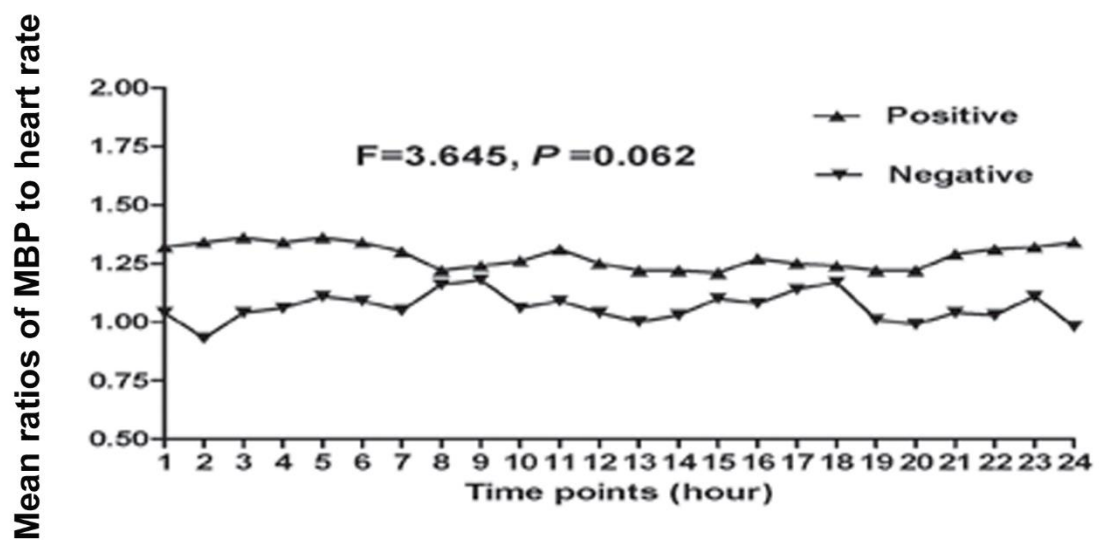


**A**

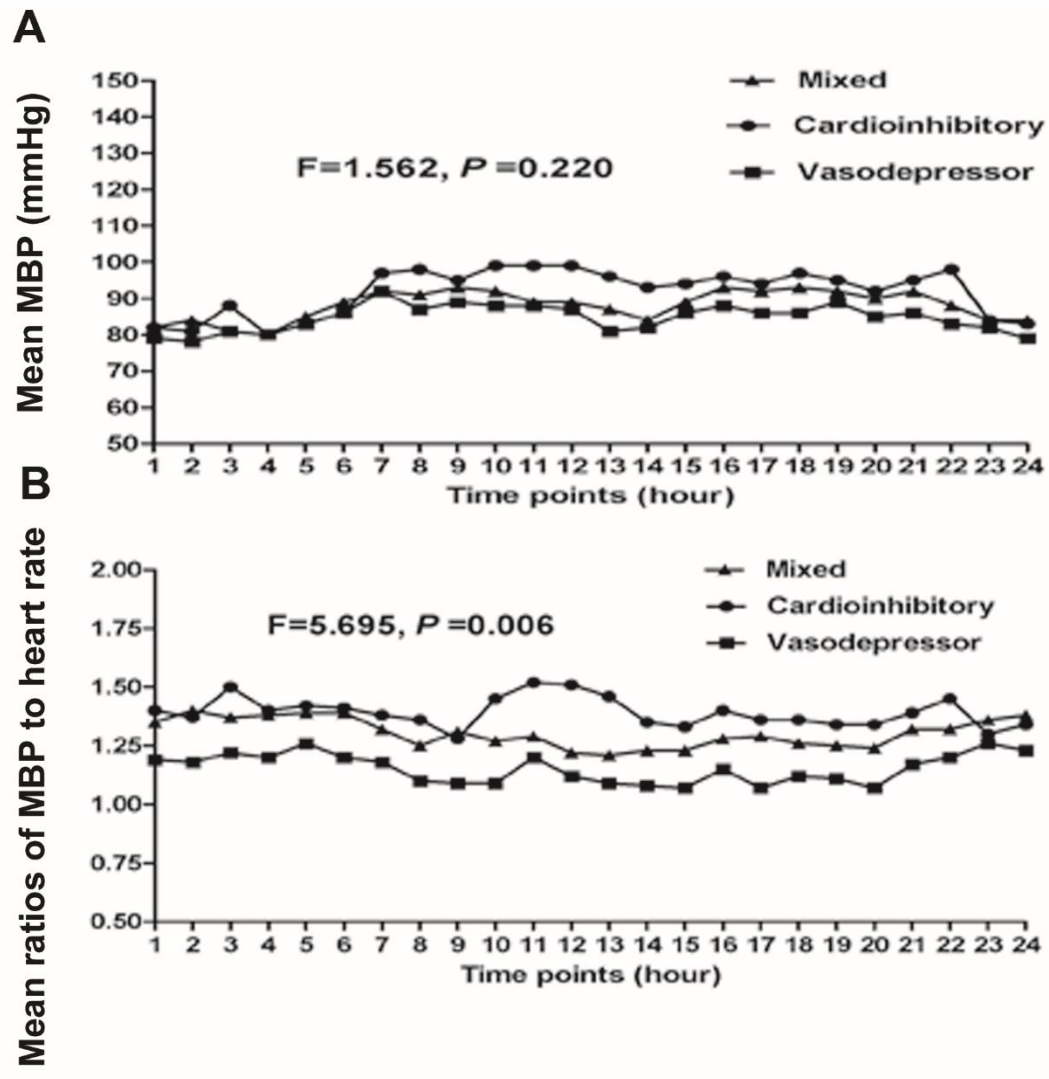


**B**



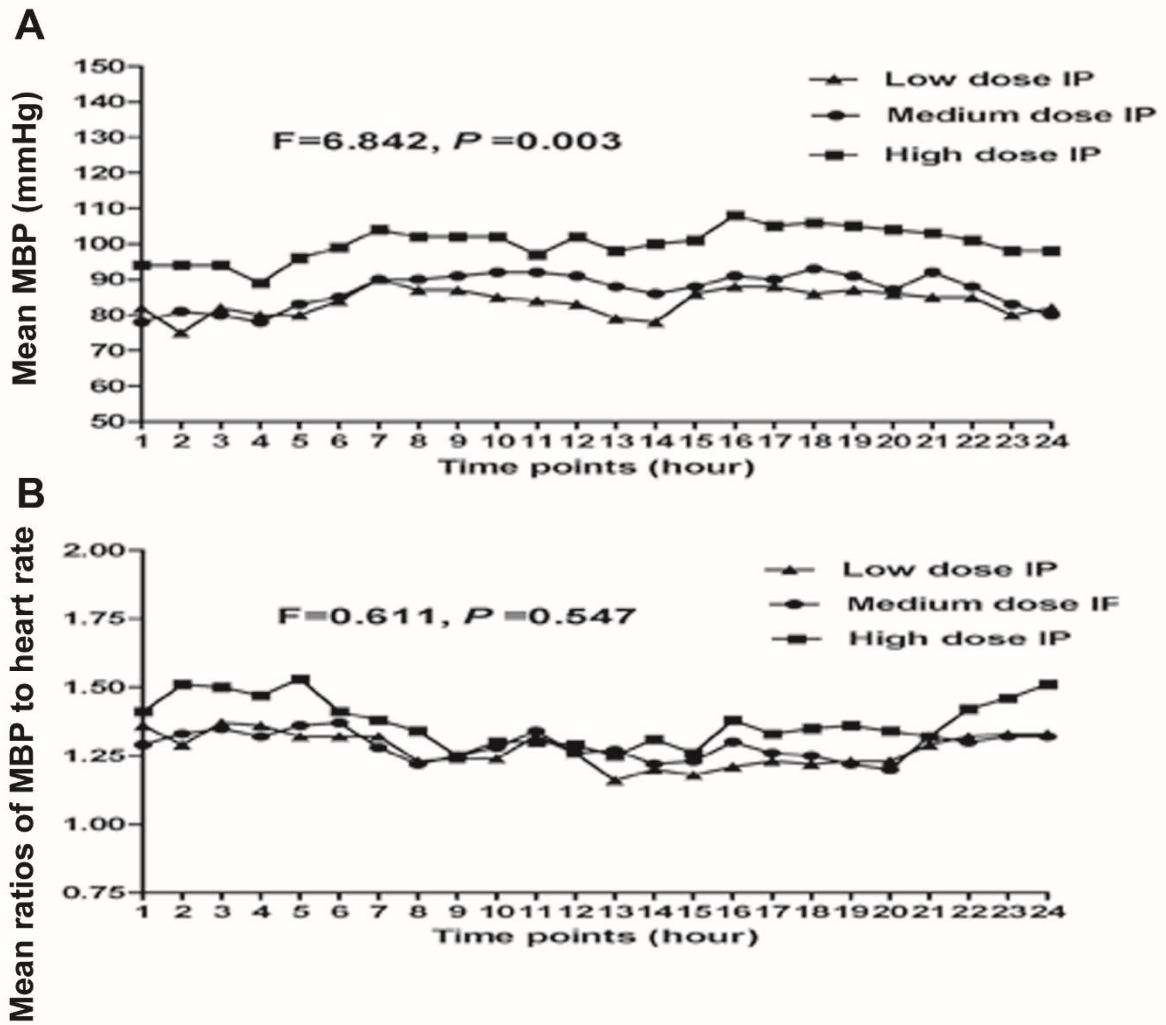
**Wen et al supplemental Figure 1**

**Supplemental Figure 1** The trend of parameters from ambulatory blood pressure monitoring according to positive and negative response. (A) Mean mean blood pressure (MBP) at each hour; (B) Mean ratios of MBP to heart rate at each hour.



Wen et al supplemental Figure 2

**Supplemental Figure 2** The trend of parameters from ambulatory blood pressure monitoring according to syncopal subtypes. (A) Mean mean blood pressure (MBP) at each hour; (B) Mean ratios of MBP to heart rate at each hour.



Wen et al supplemental Figure 3

**Supplemental Figure 3** The trend of parameters from ambulatory blood pressure monitoring according to syncopal stages. (A) Mean mean blood pressure (MBP) at each hour; (B) Mean ratios of MBP to heart rate at each hour. IP, isoproterenol.

**Supplemental Table 3a Heart rate and blood pressure from simplistic tilt test for head-up tilt test results.**

Group	negative	positive	<i>P</i>
Number	16	284	
MBP at supine position ( $S_p$ )	88±13	88±12	0.961
MBP at tilt 70° position ( $T_p$ )	94±18	91±12	0.447
MBP/HR ratio at supine position	1.18±0.17	1.32±0.0.24	0.003
MBP/HR ratio at tilt 70° position	1.11±0.18	1.23±0.26	0.076
MBP difference ( $T_p - S_p$ )	5.8±14.0	3.5±7.0	0.227

Data are presented as means ± SD. t-test was used for significant analysis. HR, heart rate; MBP, mean blood pressure.

**Supplemental Table 3b Heart rate and blood pressure from simplistic tilt test for head-up tilt test results.**

Group	mixed	cardioinhibitory	vasodepressor	<i>P</i>
Number	149	79	56	
MBP at supine position ( $S_p$ )	88±12	89±14	87±12	0.763
MBP at tilt 70° position ( $T_p$ )	92±11	92±15	89±13	0.389
MBP/HR ratio at supine position	1.34±0.24	1.33±0.25	1.28±0.22	0.335
MBP/HR ratio at tilt 70° position	1.25±0.24	1.24±0.0.30	1.13±0.25*#	0.010

MBP difference ( $T_p - S_p$ )	4.0±5.9	3.3±8.1	2.0±7.5	0.194
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**Supplemental Table 4 Heart rate and blood pressure from simplistic tilt test for syncopal stages.**

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Group	1µg/min	3µg/min	5µg/min	<i>P</i>
	isoproterenol	isoproterenol	isoprotereno 	
Number	39	189	50	
MBP at supine position ( $S_p$ )	85±12	88±12	90±12	0.196
MBP at tilt 70° position ( $T_p$ )	86±12	92±12*	94±12*	0.022
MBP/HR ratio at supine position	1.28±0.25	1.33±0.23	1.33±0.24	0.367
MBP/HR ratio at tilt 70° position	1.10±0.28	1.24±0.25	1.29±0.27*#	0.001
MBP difference ( $T_p - S_p$ )	0.3±8.6	4.2±6.4	3.4±6.4	0.056

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Data are presented as means ± SD. *P*-value based on One-Way ANOVA with LSD post hoc test within subgroups. HR, heart rate; MBP, mean blood pressure. \**P* < 0.05 vs. 1µg/min isoproterenol, #*P* < 0.05 vs. 3µg/min isoproterenol.

Data are presented as means ± SD or n (n). *P*-value based on One-Way ANOVA with LSD post hoc test within subgroups. MBP, mean blood pressure; HR, heart rate. \**P* < 0.05 vs. mixed, #*P* < 0.05 vs. cardioinhibitory.

**Supplemental Table 5a Mean blood pressure, mean heart rate and their ratios from ambulatory blood pressure monitoring based on tilt test results.**

Group	positive	negative	<i>P</i>
Number	56	3	
MBP at daytime	89±11	86±6	0.607
MBP/HR ratio at daytime	1.20±0.17	1.03±0.06	0.082
MBP at nighttime	82±11	73±5	0.139
MBP/HR ratio at nighttime	1.32±0.21	1.00±0.10	0.008
MBP all day	87±10	83±6	0.520
MBP/HR ratio all day	1.25±0.19	1.06±0.06	0.089

Data are presented as means ± SD or n (%). *P*-value based on t-test or  $\chi^2$  tests. SBP, systolic blood pressure; DBP, diastolic blood pressure; MBP, mean blood pressure.

**Supplemental Table 5b Mean blood pressure, mean heart rate and their ratios from ambulatory pressure monitoring based on tilt test results.**

Group	mixed	cardioinhibitory	vasodepressor
Number	29	12	15
MBP at daytime	90±9	92±13	86±12
MBP/HR ratio at daytime	1.21±0.15	1.31±0.18	1.09±0.15* <sup>#</sup>
MBP at nighttime	83±10	83±12	80±12
MBP/HR ratio at nighttime	1.35±0.19	1.36±0.25	1.21±0.21
MBP all day	88±9	89±13	85±12
MBP/HR ratio all day	1.26±0.17	1.33±0.23	1.16±0.16* <sup>#</sup>

Data are presented as means ± SD. *P*-value based on One-Way ANOVA with LSD post hoc test within subgroups. HR, heart rate; MBP, mean blood pressure. \**P* < 0.05 vs. mixed, <sup>#</sup>*P* < 0.05 vs. cardioin

**Supplemental Table 6 Mean blood pressure, mean heart rate and their ratios of ambulatory blood pressure monitoring based on different syncopal stages.**

Group	1µg/min isoproterenol	3µg/min isoproterenol	5µg/min isoproterenol
Number	14	31	6
MBP at daytime	84±10	89±10	102±10* <sup>#</sup>
MAP/heart rate ratio at daytime	1.17±0.24	1.22±0.14	1.25±0.15
MBP at nighttime	80±11	80±10	96±10* <sup>#</sup>
MBP/heart rate ratio at nighttime	1.32±0.25	1.32±0.20	1.47±0.12
MBP all day	83±9	87±9	101±9* <sup>#</sup>
MBP/heart rate ratio all day	1.23±0.25	1.26±0.16	1.33±0.16

Data are presented as means ± SD. *P*-value based on One-Way ANOVA with LSD post hoc test within subgroups. MBP, mean blood pressure. \**P* < 0.05 vs. 1µg/min isoproterenol, <sup>#</sup>*P* < 0.05 vs. 3µg/min isoproterenol.