

Table S1. Multicollinearity analysis: correlations among baroreflex function variables.

Variables	1	2	3	4	5	6	7
1. Up-events (n°)	1.000	.808**	.931**	.948**	.620**	.775**	-.265*
2. Down-events (n°)	.808**	1.000	.948**	.773**	.830**	.812**	-.185
3. Total-events (n°)	.931**	.948**	1.000	.875**	.775**	.838**	-.268*
4. Up-BEI (%)	.948**	.773**	.875**	1.000	.642**	.816**	-.256
5. Down-BEI (%)	.620**	.830**	.775**	.642**	1.000	.931**	-.297*
6. Total-BEI (%)	.775**	.812**	.838**	.816**	.931**	1.000	-.324*
7. Falls (n°)	-.265*	-.185	-.268*	-.256	-.297*	-.324*	1.000

Abbreviations: Up-BEI: up-events baroreceptor effectiveness index; Down-BEI: down-events baroreceptor effectiveness index; Total-BEI: total-events baroreceptor effectiveness index; * indicates a significant correlation (p-value < .05); ** indicates a significant correlation (p-value < .01).

Table S2. Negative binomial regression analysis: sensitivity analyses.

Factors	Univariate		Multivariate			
	RR (95% CI)	P-value	Model 1		Model 2	
	RR (95% CI)	P-value	RR (95% CI)	P-value	RR (95% CI)	P-value
Frailty & physical function						
Frailty (yes/no)	4.10 (1.60-10.51)	0.003	1.87 (0.74-4.76)	0.187	1.58 (0.63-3.99)	0.330
Daily steps (n°)	0.99 (0.99-1.00)	0.006	1.00 (0.99-1.00)	0.575	1.00 (0.99-1.00)	0.686
Daily sit to stands (n°)	0.96 (0.93-0.99)	0.042	1.01 (0.97-1.06)	0.647	1.03 (0.97-1.08)	0.328
Handgrip (Kg)	0.94 (0.88-0.99)	0.034	0.96 (0.91-1.01)	0.096	0.96 (0.91-1.01)	0.142
Gait speed (m/s)	0.08 (0.01-0.62)	0.016	0.39 (0.05-2.95)	0.361	0.50 (0.05-4.59)	0.537
TUG (s)	1.16 (1.02-1.32)	0.021	1.06 (0.95-1.19)	0.299	0.02 (0.90-1.15)	0.817
Cardiovascular function						
Total-BEI (%)	0.96 (0.93-0.98)	<0.001	0.97 (0.95-0.99)	0.020	0.97 (0.95-0.99)	0.020
CO (L/min)	0.51 (0.27-0.98)	0.043	0.65 (0.40-1.06)	0.084	0.68 (0.43-1.07)	0.098
OscDBP (mmHg)	0.90 (0.83-0.98)	0.010	0.96 (0.88-1.04)	0.344	0.99 (0.91-1.07)	0.736

Abbreviations: RR: rate ratio; CI: confidence interval; TUG: timed up and go test; Total-BEI: total-events baroreceptor effectiveness index; CO: cardiac output response to HUT-60°; OscDBP:

oscillometric diastolic blood pressure response to HUT-60°; Model 1: All factors are adjusted for diabetic status and antidepressant use; Model 2: Frailty and physical function factors are adjusted for all variables in Model 1 and for Total-BEI. Cardiovascular function factors are adjusted for all variables in Model 1 and for frailty.