

Supplementary Table 1. The specific characteristics of ocular vestibular evoked myogenic potential in the benign paroxysmal positional vertigo patients with bilateral elicited response

	Non-osteopenia (<i>n</i> =85)	Osteoporosis (<i>n</i> =19)	<i>p</i> value
Right oVEMP			
Threshold (dBnHL)	105(100-110)	105(100-110)	0.609
N10 latency (ms)	12.5±1.0	11.2±1.2	0.591
P15 latency (ms)	16.6±1.4	16.2±1.3	0.310
Amplitude (μV)	3.8(2.9-4.9)	4.6(3.1-6.2)	0.222
Left oVEMP			
Threshold (dBnHL)	105(100-110)	105(100-110)	0.285
N10 latency (ms)	12.4±0.9	11.2±1.2	0.614
P15 latency (ms)	16.4±1.4	16.2±1.9	0.551
Amplitude (μV)	5.3(3.6-7.6)	4.2(3.2-6.2)	0.252
AAR, <i>n</i> (%)			0.068
≥25%	15(17.6%)	6(31.6%)	
≤-25%	10(11.8%)	0(0%)	
-25%~25%	60(70.6%)	13(68.4%)	

Notes: AAR, amplitude asymmetry ratio. $AAR=100 \times [Ar - Al] / [Ar + Al]$ where Ar was the amplitude of the right ear and Al was that of the left ear.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$

Supplementary Table 2. The specific characteristics of cervical vestibular evoked myogenic potential in the benign paroxysmal positional vertigo patients with bilateral elicited response

	Non-osteopenia (<i>n</i> =107)	Osteoporosis (<i>n</i> =37)	<i>p</i> value
Right cVEMP			
Threshold (dBnHL)	100(95-105)	100(100-105)	0.485
N10 latency (ms)	14.2±1.4	13.9±1.2	0.179
P15 latency (ms)	22.6±2.0	22.2±1.7	0.276
Amplitude (μV)	48.7(37.5-71.9)	54.4(39.9-74.5)	0.446
Left cVEMP			
Threshold (dBnHL)	105(100-110)	100(95-110)	0.517
N10 latency (ms)	14.6±1.6	14.6±2.0	0.570
P15 latency (ms)	22.7±2.0	22.5±1.5	0.983
Amplitude (μV)	48.7(37.5-83.8)	49.6(38.4-65.1)	0.507
AAR, <i>n</i> (%)			0.135
≥25%	12(11.2%)	9(24.3%)	
≤-25%	21(19.6%)	5(13.5%)	
-25%~25%	74(69.2%)	23(62.2%)	

Notes: AAR, amplitude asymmetry ratio. AAR=100× (right-side amplitude - left-side amplitude) / (right-side amplitude + left-side amplitude).

p* < 0.05; *p* < 0.01; ****p* < 0.001