

Clinical and Experimental Otorhinolaryngology

Supplementary Table 2. Correlation analysis between questionnaire score and variable parameters of objective audiometry on the second fitting

Variable	Pearson's coefficient		Linear regression			
	Correlation coefficient	P-value	Estimate	95% CI	P-value	R ²
K-HHIE						
Audiometry						
PTA (dB)	-0.213	0.366	-0.579	-1.890 to 0.733	0.366	0.046
FG (dB)	0.035	0.883	0.136	-1.777 to 2.049	0.883	0.001
SDS (%)	0.330	0.156	0.659	-0.275 to 1.592	0.156	0.109
Gain of SDS (%)	-0.113	0.637	-0.105	-0.561 to 0.352	0.637	0.013
HINT	0.647	0.002*	7.829	3.260 to 12.397	0.002*	0.419
CA-f	-0.557	0.111	-1.658	-2.882 to -0.433	0.111	0.310
CA-d	-0.379	0.099	-1.447	-3.195 to 0.301	0.099	0.144
CA-Di	0.389	0.090	0.933	-0.161 to 2.026	0.090	0.151
K-IOI-HA						
Audiometry						
PTA (dB)	-0.057	0.811	-0.034	-0.323 to 0.256	0.811	0.003
FG (dB)	0.051	0.831	0.043	-0.370 to 0.455	0.831	0.003
SDS (%)	-0.144	0.544	-0.063	-0.274 to 0.149	0.543	0.021
Gain of SDS (%)	0.223	0.345	0.045	-0.052 to 0.141	0.345	0.050
HINT	0.147	0.536	0.385	-0.895 to 1.664	0.536	0.022
CA-f	0.022	0.928	0.014	-0.304 to 0.332	0.928	0.000
CA-d	-0.196	0.409	-0.161	-0.561 to 0.239	0.409	0.038
CA-Di	-0.182	0.443	-0.094	-0.346 to 0.158	0.443	0.033

CI, confidence interval; K-HHIE, Korean version of the Hearing Handicap Inventory for the Elderly; PTA, pure tone audiometry; FG, functional gain; SDS, speech discrimination score; HINT, hearing in noise test; CA-f, central auditory frequency pattern test; CA-d, central auditory duration pattern test; CA-Di, central auditory dichotic test; K-IOI-HA, Korean version of the International Outcome Inventory for Hearing Aids.

Pearson's correlation coefficient and linear regression (* $P < 0.05$).