

Supplementary Table 1. Correlation analysis between questionnaire score and variable parameters of objective audiometry on the first fitting

Variable	Pearson's coefficient		Linear regression			
	Correlation coefficient	P-value	Estimate	95% CI	P-value	R ²
K-HHIE						
Audiometry						
PTA (dB)	-0.158	0.505	-0.374	-1.528 to 0.781	0.505	0.025
FG (dB)	0.085	0.723	0.292	-1.409 to 1.992	0.240	0.007
SDS (%)	0.238	0.313	0.392	-0.401 to 1.184	0.313	0.056
Gain of SDS (%)	-0.158	0.506	-0.159	-0.653 to 0.335	0.506	0.025
REM-S	-0.112	0.638	-1.580	-8.508 to 5.348	0.638	0.013
REM-C	-0.177	0.455	-2.987	-11.199 to 5.225	0.455	0.031
REM-L	-0.288	0.219	-4.576	-12.120 to 2.968	0.219	0.083
HINT	0.493*	0.027*	5.523	0.701 to 10.344	0.027*	0.243
CA-f	-0.347	0.134	-0.927	-2.168 to 0.315	0.134	0.120
CA-d	-0.184	0.436	-0.689	-2.506 to 1.128	0.436	0.034
CA-Di	0.416	0.068	0.982	-0.080 to 2.043	0.068	0.173
K-IOI-HA						
Audiometry						
PTA (dB)	-0.125	0.600	-0.062	-0.307 to 0.183	0.600	0.016
FG (dB)	-0.128	0.592	-0.093	-0.450 to 0.265	0.592	0.016
SDS (%)	-0.036	0.881	-0.013	-0.185 to 0.16	0.881	0.001
Gain of SDS (%)	-0.206	0.384	-0.044	-0.147 to 0.06	0.384	0.042
REM-S	-0.141	0.554	-0.418	-1.876 to 1.04	0.554	0.020
REM-C	-0.281	0.231	-0.999	-2.690 to 0.693	0.231	0.079
REM-L	0.028	0.907	0.094	-1.569 to 1.757	0.907	0.001
HINT	-0.175	0.460	-0.415	-1.567 to 0.738	0.460	0.031
CA-f	0.281	0.230	0.159	-0.110 to 0.427	0.230	0.079
CA-d	0.015	0.949	0.013	-0.378 to 0.403	0.949	0.000
CA-Di	0.071	0.767	0.035	-0.211 to 0.281	0.767	0.005

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; REM, real ear measurement; S, soft; C, comfortable; L, loud; 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 (* $P < 0.05$).