

Aging effects on auditory function

Supplementary Table 1. The one-way ANOVA analysis of the mean TEOAE amplitude between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	4.09	0.045*	1.16	0.2833
1 vs 3	6.05	0.0151*	1.34	0.2488
1 vs 4	10.51	0.0015**	8.91	0.0033**
2 vs 3	0.22	0.6411	0.01	0.9228
2 vs 4	1.97	0.1625	4.23	0.0416*
3 vs 4	0.93	0.3374	3.78	0.0537

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).

Supplementary Table 2. The one-way ANOVA analysis of the mean TEOAE CS between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	3.17	0.0773	2.23	0.1377
1 vs 3	10.22	0.0017**	0.85	0.3594
1 vs 4	15.80	0.0001**	4.46	0.0365*
2 vs 3	2.21	0.1392	0.32	0.5702
2 vs 4	5.76	0.0177*	0.57	0.4528
3 vs 4	1.01	0.3165	1.60	0.2073

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).

Supplementary Table 3. The one-way ANOVA analysis of the mean EcochG AP amplitude between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	6.60	0.0112*	0.36	0.5498
1 vs 3	12.86	0.0005**	2.42	0.1221
1 vs 4	18.71	<.0001**	0.42	0.5160
2 vs 3	1.12	0.2910	5.10	0.0255*
2 vs 4	3.85	0.0517	1.60	0.2084
3 vs 4	0.92	0.3387	0.71	0.4021

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).

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Supplementary Table 4. The one-way ANOVA analysis of the mean EcochG AP latency between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	0.06	0.8136	0.46	0.5001
1 vs 3	1.05	0.3070	0.01	0.9105
1 vs 4	9.84	0.0021**	1.21	0.2731
2 vs 3	0.67	0.4148	0.34	0.5579
2 vs 4	9.03	0.0031**	0.24	0.6256
3 vs 4	4.94	0.0278*	1.06	0.3039

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).

Supplementary Table 5. The one-way ANOVA analysis of the mean EcochG SP between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	7.29	0.0078**	0.00	0.9667
1 vs 3	22.55	<.0001**	4.65	0.0328*
1 vs 4	25.91	<.0001**	1.00	0.3192
2 vs 3	4.50	0.0357*	4.92	0.0281*
2 vs 4	6.86	0.0098**	1.00	0.3179
3 vs 4	0.39	0.5350	1.13	0.2893

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).

Supplementary Table 6. The one-way ANOVA analysis of the mean EcochG SP/AP ratio between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	0.00	0.9964	0.87	0.3521
1 vs 3	3.42	0.0664	3.40	0.0672
1 vs 4	0.00	0.9599	0.26	0.6081
2 vs 3	3.59	0.0601	0.92	0.3378
2 vs 4	0.00	0.9556	0.14	0.7093
3 vs 4	3.34	0.0696	1.60	0.2080

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group.

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Supplementary Table 7. The one-way ANOVA analysis of the mean MHINT SNR between any two groups

Comparison between groups	Left ear		Right ear	
	F	P	F	P
1 vs 2	0.29	0.5896	0.28	0.5990
1 vs 3	11.69	0.0008**	19.04	<.0001**
1 vs 4	54.54	<.0001**	61.86	<.0001**
2 vs 3	16.72	<.0001**	15.97	0.0001**
2 vs 4	65.95	<.0001**	58.27	<.0001**
3 vs 4	18.32	<.0001**	14.93	0.0002**

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (**, P<0.01).

Supplementary Table 8. The one-way ANOVA analysis of the mean GDT between any two groups

Comparison between groups	1 kHz		2 kHz		4 kHz	
	F	P	F	P	F	P
1 vs 2	0.29	0.5880	0.47	0.4947	0.21	0.6450
1 vs 3	1.46	0.2286	0.03	0.8691	1.76	0.1866
1 vs 4	6.72	0.0105*	2.80	0.0963	20.05	<.0001**
2 vs 3	3.32	0.0706	0.29	0.5922	0.82	0.3675
2 vs 4	10.27	0.0017**	5.71	0.0182*	17.59	<.0001**
3 vs 4	2.28	0.1329	3.55	0.0617	11.16	0.0011**

1: 20-29 years group; 2: 30-39 years group; 3: 40-49 years group; 4: 50-59 years group (*, P<0.05; **, P<0.01).