

Table 1. Demographic and symptoms information of the patients (n=46)

	No. (range)	%
Age	58 (33-79)	
Gender		
Male	19	41.30%
Female	27	58.70%
Duration of disease	118.2 (48-360)	
Vertigo episodes *	6.7 (2-42)	
Tinnitus	38	82.61%
Hearing Loss	46	100%
Aural fullness	44	95.65%
Affect work or daily life	46	100%

\* In the latest 6 months preoperative.

Table 2. Clinical characteristics of the patients pre- and postoperatively (n=46)

	preoperative	postoperative *	control rate	Statistics
Vertigo attacks **	6.727±7.807	0.0625±0.348		F=499.67, <i>P</i> =0.000
Overall control		46	100%	
Vertigo control (n)		45	97.8%	
Complete control		45	97.8%	
Substantial control		1	2.2%	
Dizziness	46 <sup>#</sup>	1 <sup>##</sup>	97.0%	
Imbalancy	32 <sup>#</sup>	4 <sup>##</sup>	87.5%	
Average hearing loss ( PTA, dB HL )	59.33±17.2	68.28±24.0		
Tinnitus (n)	38	12	65.8%	$X^2=21.959, p=0.000$
Aural fullness (n)	44	0	100%	<i>P</i> =0.000

\* 18 months postoperatively

\*\* Number of vertigo attacks means the average number of vertigo attacks over the latest 6 months

# Interval between vertigo attack

## During follow-up postoperatively

Table 3 Hearing loss postoperatively (n=46)

Patient's stage preoperatively		Hearing deterioration postoperatively ( > 10 dB)		
		6 months	12 months	18 months
Stage I	2	0	0	0
Stage II	11	0	0	0
Stage III	21	6 (28.57%)	9 (42.86%)	16 (76.19%)
Stage IV	12	2 (16.67%)	3 (25%)	5 (41.67%)
Total	46	8 (17.39%)	12 (26.09%)	21 (45.65%)
Hearing preservation rate		82.61%	73.91%	54.35%

Table 4. The PTA of 15 patients with postoperative hearing loss (dB HL, 18 months postoperative)

Preoperatively	Postoperatively	Hearing loss
60	93.75	33.75
73.75	95	21.25
58.75	80	21.25
76.25	87.5	11.25
71.25	81.25	10
67.5	86.25	18.75
72.5	87.5	15
67.5	82.5	15
72.5	91.25	18.75
58.75	76.25	17.5
53.75	93.75	40
76.25	90	13.75
68.75	87.5	18.75
56.25	100	43.75
65	85	20