

Clinical management improves hearing for most with Ménière disease

August 24 2022



For patients with Ménière disease, most experience preservation or

improvement in their hearing through strict clinical management, according to a study recently published in the *Journal of Clinical Medicine*.

Yi Zhang, from Capital Medical University in Beijing, and colleagues conducted a [prospective cohort study](#) involving 154 patients with definite Meniere disease (average age, 43.53 ± 11.40 years). The pure-tone thresholds of all 165 affected ears were analyzed over a one-year clinical management period.

The researchers found that 87.27 percent of patients had improved or preserved their hearing at a [low frequency](#) after one year and 71.51 percent had done so at a high frequency. At frequencies from 250 to 2,000 Hz, the hearing [threshold](#) had improved significantly, with a slight deterioration at 8,000 Hz. Forty percent of all patients had a hearing average threshold that reached ≤ 25 dB HL after the clinical management period; 27.27 percent of these were patients in stage 3. The restoration time was 2.5 months (range, 0.5 to 11.0 months), with longer restoration time for stage 3 than stages 1 and 2. Patients who were initially in the earlier stages had an increased odds ratio of hearing by an average of ≤ 25 dB HL (odds ratio, 2.840). The odds ratio of [hearing](#) on average by > 25 dB HL was increased with age, peak curve, and flat curve versus rising curve (odds ratios, 1.038, 2.484, and 4.549, respectively).

"Most patients benefitted from criterial clinical management and sufficient observation," the authors write.

More information: Yi Zhang et al, Hearing Benefits of Clinical Management for Meniere's Disease, *Journal of Clinical Medicine* (2022). [DOI: 10.3390/jcm11113131](https://doi.org/10.3390/jcm11113131)

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Clinical management improves hearing for most with Ménière disease (2022, August 24) retrieved 2 May 2024 from <https://medicalxpress.com/news/2022-08-clinical-mnire-disease.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.