Supplementary Material

Endotype-Phenotype Patterns in Meniere’s Disease Based on Gadolinium-Enhanced MRI of the Vestibular Aqueduct

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# Supplementary Figures and Tables

**Supplementary Figure 1:** Longitudinal analysis of hearing with estimated fixed effects of endotype, time and their interaction. In 8 bilateral cases, each ear was considered a separate case, resulting in a total of 80 ears analyzed (58 MD-dg, 22 MD-hp). The MD-dg group was chosen as the reference group. **A** In the MD-dg group, the baseline pure-tone average was 29.7 dB (95 % Wald confidence interval 25.0 dB to 34.4 dB). In the MD-hp group, the baseline pure-tone average was 1.7 dB higher (95 % Wald confidence interval -7.3 dB to 10.8 dB, p = 0.71). In the MD-dg group, hearing decreased by an average of 2.1 dB (1.2 dB to 3.0 dB, p < 0.0001) per year, which provides strong evidence for an effect of time on the course of hearing loss. -However, there was no evidence that the course of hearing loss differed between the two subgroups (difference between endotype slopes 1.8 dB, 95 % Wald confidence interval -1.9 dB to 1.3 dB, p = 0.68). **B** Individual trajectories of the pure-tone average measurements over time. The baseline measurement of each subject is subtracted from the rest of the measurements of the same subject.