



Response to “Drop attacks, hydrops severity and disease duration in hydropic ear disease (Menière’s)”

Qianru Wu¹ · Xuanyi Li^{1,2} · Yan Sha³ · Chunfu Dai¹

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We are so glad that Dr. Gürkov showed interest in our recent publication “Clinical features and management of Meniere’s disease (MD) patients with drop attacks (DAs)” in *European Archives Otorhinolaryngology* [1]. As well we really appreciate his comments on this work. It is also well known that Dr. Gürkov did great job in the field of hydropic ear disease that resulted in productive publications which made great contributions for us to better understand the hydropic ear disease; his expertise deserves to be acknowledged [2–4].

As far as we know, the first study which showed the positive correlation between the severity of endolymphatic hydrops and disease duration is in 2011 by Dr. Fiorino [5]. The work was acknowledged by our previous publications [6].

Regarding the incidence of DAs in patients with MD, we did not cite another paper “Gürkov R, Jerin C, Flatz W et al. Clinical Manifestations of Hydropic Ear Disease (Menière). *Eur Arch Otorhinolaryngol* (2019) 276:27–40” which was published recently [7]. It is a nice work which overviews the clinical presentations of hydropic ear disease. Unfortunately, when we submitted our manuscript, it did not come out.

In our study, we mainly focused on the unilateral definite MD patients diagnosed on the basis of the criteria proposed by the 2015 Classification Committee of the Barany Society and then confirmed endolymphatic hydrops in all

MD patients by temporal bone MRI enhancement. However, the patient selection criteria in Gürkov’s study is different, which included vestibular diseases with endolymphatic hydrops, such as bilateral MD, delayed endolymphatic hydrops, and MD accompanied with vestibular Migraine. It may lead to variable incidence of DAs. In any case, no matter how high the incidence of DAs is, clinicians should never ignore the seriousness of DAs.

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Compliance with ethical standards

Conflict of interest The authors declare that they have no conflict of interest.

Ethical approval The article does not involve human participants or animals.

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✉ Chunfu Dai
cfdai66@126.com

¹ Department of Otolaryngology and Skull Base Surgery, Hearing Research Key Lab of Health Ministry of China, Eye & Ear Nose and Throat Hospital, Fudan University, 83 Fenyang Road, Shanghai 200031, China

² Department of Otolaryngology, The Affiliated Hospital of Xuzhou Medical College, Xuzhou, China

³ Department of Radiology, Eye & Ear Nose and Throat Hospital, Fudan University, Shanghai, China

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