

ESPS Peer-review Report

Name of Journal: World Journal of Otorhinolaryngology

ESPS Manuscript NO: 3775

Title: Noise-induced hearing loss in the 21st century - a research and translational update

Reviewer code: 00339992

Science editor: Wen, Ling-Ling

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[Y] Accept
[] Grade B (Very good)	[] Grade B: minor language polishing	[] Existed	[] High priority for publication
[] Grade C (Good)	[] Grade C: a great deal of language polishing	[] No records	[] Rejection
[] Grade D (Fair)	[] Grade D: rejected	BPG Search:	[] Minor revision
[] Grade E (Poor)		[] Existed	[] Major revision
		[] No records	

COMMENTS TO AUTHORS

In this review, Wong and colleagues describe the latest advances in treating noise-induced hearing loss (NIHL), a malady that affects a huge percentage of people worldwide. In their review, the authors beautifully catalog the biological and physiological impacts of loud noise exposure, and summarize the current approaches to either reversing or preventing the deleterious effects. This review is extremely well written; it is clear that the authors took a great deal of care to craft a clear and up-to-date summary of this subject that will be reachable to a lay audience, but presents enough technical detail to be a valuable resource for inner ear specialists. My only issue is that the authors should be cautious about their description of reference #87 by Izumikawa et al. The experiments in this landmark study are dubious and have not been able to be repeated. I would recommend either eliminating this section, or describing some of the caveats to the experiments suggesting that Atoh1 overexpression in guinea pigs can restore hearing loss. Finally, it would be nice to have a cartoon diagram of the cochlea, illustrating the cell types that are effected by NIHL, although this could be left to the discretion of the EIC.