Transient ocular tilt reaction and Tullio phenomenon
A rare association

Following a whiplash injury, a previously healthy 33-year-old man complained of altered hearing in his right ear. While humming, he noticed a disturbing transient impression of environment tilt and dizziness. Neuro-ophthalmic examination was normal, except while humming (video on the Neurology® Web site at Neurology.org). Ear, nose, and throat examination and skull CT were unrevealing.

Ocular tilt reaction (OTR) is an eye-head synkinesis (skew deviation, conjugate ocular torsion, and head tilt) resulting from a lesion or a stimulation of either the graviceptive pathways or otoliths.¹ Tullio phenomenon refers to vestibular symptoms induced by sounds.² Our patient exhibited a transient left OTR during humming, which resulted most likely from right utricular hyperactivity.

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