Study on novel prevention for headphone/earphone (noise-induced) hearing loss with extended high-frequency audiometry

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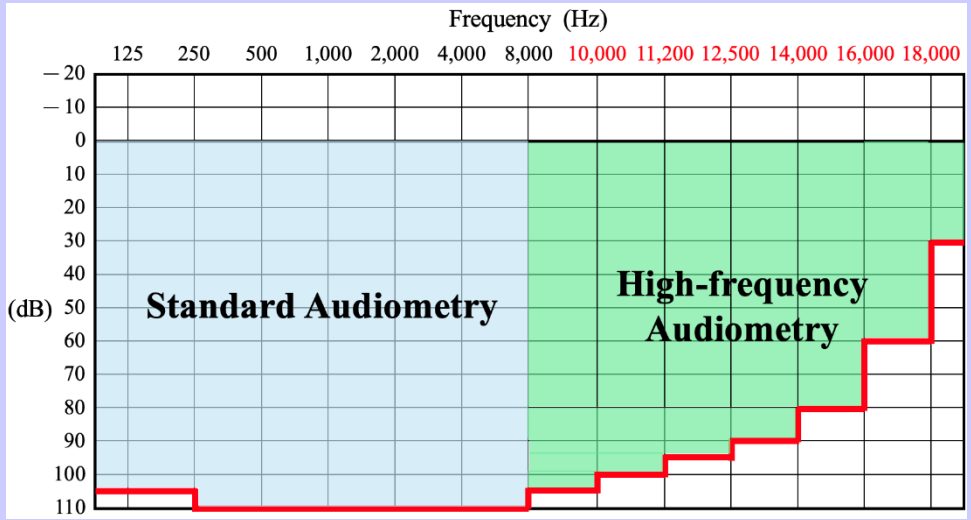
Research Area

1. Determination of extended high-frequency hearing thresholds in a wide range of age groups.
2. Large-scale high-frequency audiometry on workers under noise conditions and patients at risk of drug-induced hearing loss.
3. Incorporate high-frequency audiometry into medical checkups.

Headphone/earphone hearing loss = **Loud noise exposure x Loudness**



Recent Activities

- Transcriptomic comparison of avian auditory and vestibular sensory epithelia
  Mitsuo P Sato, et al. *iScience* 113780-113780 Nov. 2025.
- Hair cell regeneration, reinnervation, and restoration of hearing thresholds in the avian hearing organ.
  Mitsuo P Sato, et al. *Cell reports* 43(3) 113822-113822 Feb. 2024.