

主な研究課題・発表代表論文

耳鼻咽喉科学講座 Otolaryngology

研究領域 上皮情報解析医科学

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主な研究課題

- ・内耳におけるアイチエイジング研究
- ・新しいめまい診断機器の開発
- ・ゼブラフィッシュを用いた難聴遺伝子の機能解析
- ・ゼブラフィッシュを用いためまい疾患予防法の開発

発表代表論文

- 1) Tsuda J, Sugahara K, Yamashita H. Glycative stress and the inner ear disorder. Glycative stress research 2020.
- 2) Tarumoto S, Sugahara K, Hashimoto M, et al. Effect of preservation on the physical and chemical properties of the temporal fascia. Auris Nasus Larynx 2020.
- 3) Hori T, Sugahara K, Tsuda J, et al. Oral administration of an herbal medicine to prevent progressive hearing loss in a mouse model of diabetes. Auris Nasus Larynx 2019; 46:703-708.
- 4) Takemoto Y, Hirose Y, Sugahara K, et al. Protective effect of an astaxanthin nanoemulsion against neomycin-induced hair-cell damage in zebrafish. Auris Nasus Larynx 2018; 45:20-25.
- 5) Nagato S, Sugahara K, Hirose Y, et al. Oral administration of geranylgeranylacetone to protect vestibular hair cells. Auris Nasus Larynx 2018; 45:412-416.
- 6) Fujii H, Hashimoto M, Sugahara K, et al. Quantitative Analysis of Smooth Pursuit Eye Movement Using Video- Oculography. Archives of Otolaryngology and Rhinology 2018:030-034.
- 7) Tsuda J, Sugahara K, Hori T, et al. A study of hearing function and histopathologic changes in the cochlea of the type 2 diabetes model Tsumura Suzuki obese diabetes mouse. Acta Otolaryngol 2016; 136:1097-1106.
- 8) Hirose Y, Sugahara K, Kanagawa E, et al. Quercetin protects against hair cell loss in the zebrafish lateral line and guinea pig cochlea. Hear Res 2016; 342:80-85.
- 9) Yoshida S, Sugahara K, Hashimoto M, et al The minimum peptides of IGF-1 and substance P protect vestibular hair cells against neomycin ototoxicity. Acta Otolaryngol 2015; 135:411-415.
- 10) Sugahara K, Hirose Y, Mikuriya T, et al. Coenzyme Q10 protects hair cells against aminoglycoside. PLoS One 2014; 9:e108280.