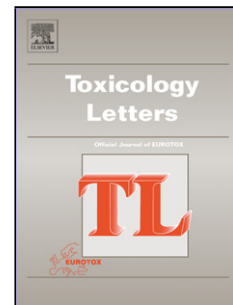


Accepted Manuscript

Title: Neuronal erythropoietin overexpression is protective against kanamycin-induced hearing loss in mice

Authors: David Bächinger, Lukas Horvath, Andreas Eckhard, Madeline M. Goosmann, Tim Honegger, Max Gassmann, Johannes Vogel, Arianne Monge Naldi



PII: S0378-4274(18)30133-4
DOI: <https://doi.org/10.1016/j.toxlet.2018.04.007>
Reference: TOXLET 10155

To appear in: *Toxicology Letters*

Received date: 30-1-2018
Revised date: 5-4-2018
Accepted date: 9-4-2018

Please cite this article as: Bächinger, David, Horvath, Lukas, Eckhard, Andreas, Goosmann, Madeline M., Honegger, Tim, Gassmann, Max, Vogel, Johannes, Naldi, Arianne Monge, Neuronal erythropoietin overexpression is protective against kanamycin-induced hearing loss in mice. *Toxicology Letters* <https://doi.org/10.1016/j.toxlet.2018.04.007>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Neuronal erythropoietin overexpression is protective against kanamycin-induced hearing loss in mice

David Bächinger (1), Lukas Horvath (1, 2), Andreas Eckhard (1), Madeline M. Goosmann (1), Tim Honegger (1), Max Gassmann (3), Johannes Vogel (3), Arianne Monge Naldi (1)

Affiliations:

(1) University of Zurich, Zurich, Switzerland and Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital Zurich, Zurich, Switzerland

(2) Department of Otorhinolaryngology, Head and Neck Surgery, Kantonsspital Baselland, Liestal, Switzerland

(3) Institute of Veterinary Physiology, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland

Address for correspondence: Arianne Monge Naldi, University Hospital Zurich, Department of Otorhinolaryngology, Head and Neck Surgery, Frauenklinikstrasse 24, 8091 Zurich, Switzerland, phone: +41 44 255 11 11, Email: Arianne.Monge@kispi.uzh.ch

Highlights

- The protective effect of erythropoietin against aminoglycoside-induced hearing loss was studied in mice
- Neuronal erythropoietin overexpression protected against aminoglycoside-induced hearing loss
- Neuronal erythropoietin overexpression reduced hair cell and spiral ganglion neuron loss

Abstract

Download English Version:

<https://daneshyari.com/en/article/8553271>

Download Persian Version:

<https://daneshyari.com/article/8553271>

[Daneshyari.com](https://daneshyari.com)