



# Corrigendum: Cochlear Size Assessment Predicts Scala Tympani Volume and Electrode Insertion Force- Implications in Robotic Assisted Cochlear Implant Surgery

Anandhan Dhanasingh<sup>1,2\*†</sup>, Chloe Swords<sup>3\*†</sup>, Manohar Bance<sup>4</sup>, Vincent Van Rompaey<sup>2,5</sup> and Paul Van de Heyning<sup>2,5</sup>

<sup>1</sup> Research and Development Department, MED-EL, Innsbruck, Austria, <sup>2</sup> Department of Translational Neurosciences, Faculty of Medicine and Health Sciences, University of Antwerp, Antwerp, Belgium, <sup>3</sup> Department of Physiology, Development and Neurosciences, University of Cambridge, Cambridge, United Kingdom, <sup>4</sup> Department of Clinical Neurosciences, University of Cambridge, United Kingdom, <sup>5</sup> Department of Otorhinolaryngology and Head & Neck Surgery, Antwerp University Hospital, Antwerp, Belgium

## **OPEN ACCESS**

### Approved by:

Frontiers Editorial Office, Frontiers Media SA, Switzerland

### \*Correspondence:

Anandhan Dhanasingh anandhan.dhanasingh@medel.com Chloe Swords cs521@cam.ac.uk

<sup>†</sup>These authors have contributed equally to this work

### Specialty section:

This article was submitted to Otorhinolaryngology - Head and Neck Surgery, a section of the journal Frontiers in Surgery

> Received: 04 October 2021 Accepted: 07 October 2021 Published: 27 October 2021

# Citation:

Dhanasingh A, Swords C, Bance M,
Van Rompaey V and Van de
Heyning P (2021) Corrigendum:
Cochlear Size Assessment Predicts
Scala Tympani Volume and Electrode
Insertion Force- Implications in
Robotic Assisted Cochlear Implant
Surgery. Front. Surg. 8:789184.
doi: 10.3389/fsurg.2021.789184

Keywords: scala tympani volume, cochlear size, electrode insertion speed, electrode insertion force, robot assisted surgery

### A Corrigendum on

Cochlear Size Assessment Predicts Scala Tympani Volume and Electrode Insertion Force-Implications in Robotic Assisted Cochlear Implant Surgery

by Dhanasingh, A., Swords, C., Bance, M., Van Rompaey, V., and Van de Heyning, P. (2021). Front. Surg. 8:723897. doi: 10.3389/fsurg.2021.723897

In the original article, there was a mistake in **Figure 6** as published. The horizontal axes of **Figures 6B,D** should extend between 0 and 25 mm, not 0 and 30 mm as given in the original, incorrect version. The corrected **Figure 6** appears below. Additionally, values in the figure were originally presented using decimal commas; the updated figure now uses decimal points, for consistency with the text of the article.

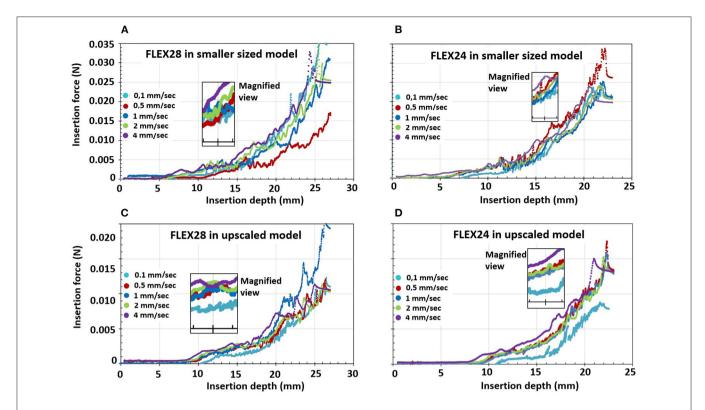
The values in the original **Figure 4** were also presented using decimal commas; this has also been corrected. The new **Figure 4**, provided below, contains decimal points, for consistency with the text of the article.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

**Publisher's Note:** All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

Copyright © 2021 Dhanasingh, Swords, Bance, Van Rompaey and Van de Heyning. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

1



**FIGURE 6** | Electrode insertion force measurement of FLEX28 and FLEX24 electrodes in two different sized cochlear model applying five different insertion speeds of 0.1, 0.5, 1, 2, and 4 mm/s. **(A)** FLEX28 and **(B)** FLEX24 in the average sized cochlea model. **(C)** FLEX28 and **(D)** FLEX24 in the upscaled model. The inner magnified view shows the insertion force curves for various insertion speeds at 15 mm of insertion depth. The purple curve corresponds to the highest insertion speed of 4 mm/s showing higher insertion forces and the turquoise curve corresponds to the lowest insertion speed of 0.1 mm/s showing lower insertion forces.

