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Correction: Oxidative stress and inflammation combine to exacerbate cochlear damage and sensorineural hearing loss in C57BL/6 mice

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KEYWORDS

sensorineural hearing loss, oxidative stress, inflammation, cochlea, necroptosis, ferroptosis

A Correction on

[Oxidative stress and inflammation combine to exacerbate cochlear damage and sensorineural hearing loss in C57BL/6 mice](#)

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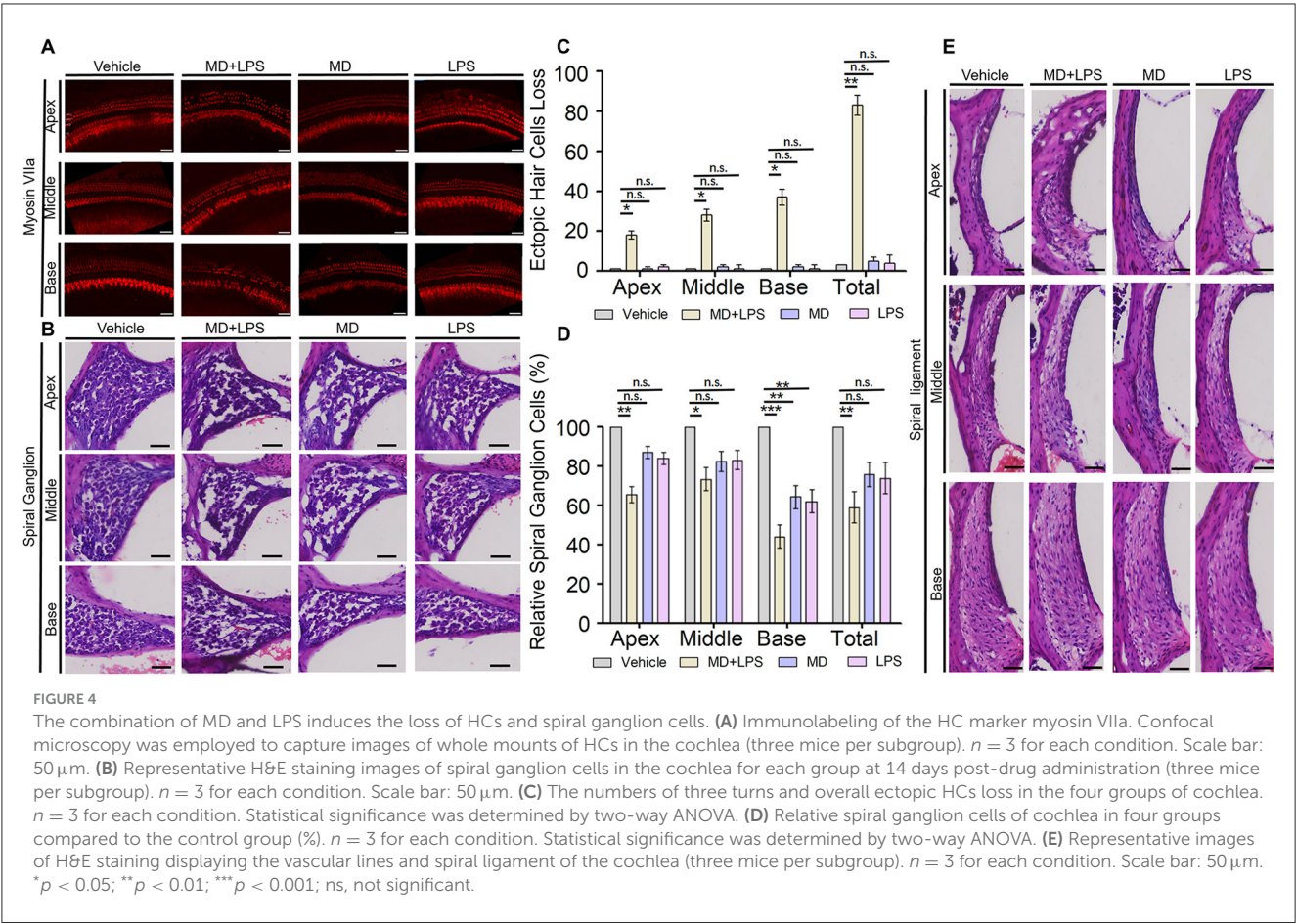
There was a mistake in [Figure 4](#) as published. During the final assembly of the figure panels, we inadvertently duplicated the image of the spiral ligament in the MD+LPS group ([Figure 4E](#)) with that of the Vehicle group due to an error in image labeling. The corrected [Figure 4](#) appears below.

There was a mistake in [Figure 6B](#) as published. Due to oversight in image assembly, the DAPI and Merge channels for the LPS group were mistakenly replaced with corresponding Vehicle group images. While, accidental substitution of DAPI/Merge channels has no impact on the fluorescence quantification or the study's findings regarding necroptosis pathways. The corrected [Figure 6](#) appears below.

The original version of this article has been updated.

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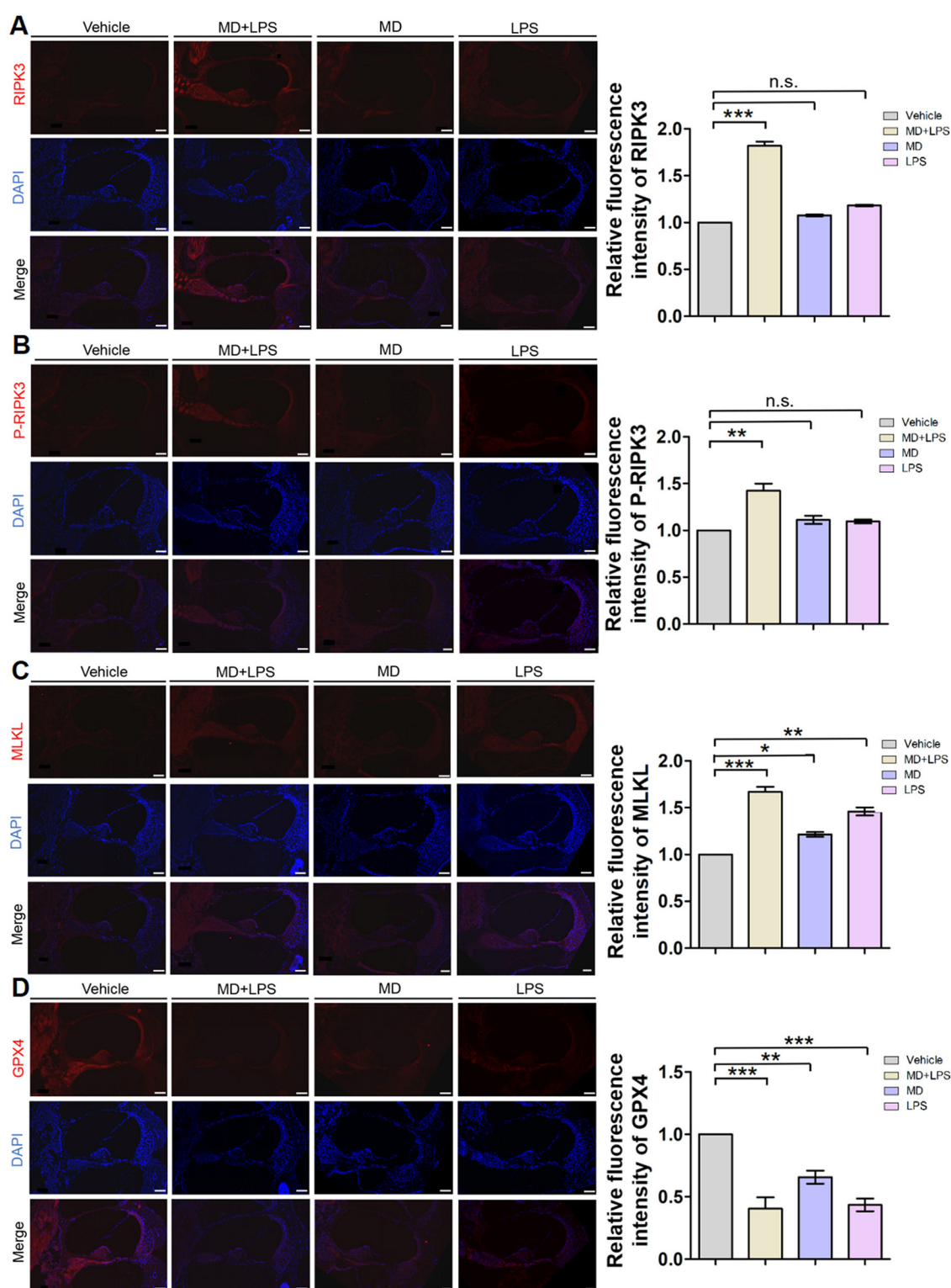


FIGURE 6

Necroptosis and ferroptosis signaling pathways are activated in cochlear sections after administration. (A) Representative RIPK3 immunofluorescence staining images in the cochlea. The 10 μ m frozen sections of cochlea from the MD + LPS group (three mice per subgroup) show enhanced RIPK3 (red) compared to the vehicle controls. Relative fluorescence intensity of RIPK3. $n = 3$ for each condition. (B) Representative P-RIPK3 immunofluorescence staining images in the cochlea. The frozen sections of the cochlea in the MD + LPS group show enhanced P-RIPK3 (red) compared to the other groups. Relative fluorescence intensity of P-RIPK3. $n = 3$ for each condition. (C) Representative MLKL immunofluorescence staining images in the cochlea. The frozen sections of cochlea in the MD + LPS, MD and LPS groups show enhanced MLKL (red) compared to the other groups. Relative fluorescence intensity of MLKL. $n = 3$ for each condition. (D) Representative GPX4 immunofluorescence staining images in the cochlea. The frozen sections of cochlea in the MD + LPS, MD, and LPS groups show decreased GPX4 (red) compared to the vehicle controls. Relative fluorescence intensity of GPX4. $n = 3$ for each condition.