CORRECTION



Correction: Experimental peri-implantitis induces neuroinflammation: An exploratory study in rats

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In this article [1], part of the Fig. 3, Fig. 7 and Fig. 8 are missing, specifically panels Fig. 3b-c-d, Fig. 7g-h, and Fig. 8g-h, which depict the relative quantification of pyknotic neurons, IBA-1⁺ and GFAP⁺ cells, respectively. The Figs. 3, 7 and 8 should have appeared as shown below.

[†]Emilio A. Cafferata and Ausra Ramanauskaite equally contributed to this study and should be considered as joint first authors.

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Fig. 3 Hippocampus H&E staining showing cellular morphological alterations following experimental PI. **A** Representative image showing the hippocampus regions -CA1, CA2, C3, CA4 and DG-, the regions of interest CA1 and DG are delimited by dashed squares [5x]; Right: Representative images of the CA1 (superior) and DG (inferior) hippocampus regions of the control group [10x]. **B** and **C** Representative images of the CA1 (superior) and DG (inferior) hippocampus regions of the control and peri-implantitis group, showing morphologically altered neurons and glial cells [40x]. **D** Relative quantification pyknotic cells in the CA1 and DG regions of the hippocampus of rats in control and PI groups. Data are represented as mean \pm SD pyknoticcells from 10 random slides per sample. **p* < 0.05.CA: Cornu ammonis; DG: dentate gyrus; PI: peri-implantitis group; CTRL: control group; `: pyknotic pyramidal neuron; *: normal neuron. Figure scales correspond to: superior [200 µm], superior right [100 µm] and inferior [50 µm] figures



Fig. 7 Hippocampus IBA-1 immunostaining following experimental PI. **A** Representative hippocampus image of the control group, showing the CA1 region, a zoom augmented area is delimited by a dashed square [10x], **B** [20x] and **C** [40x]. **D** Representative hippocampus image of the peri-implantitis group, showing the CA1 region, a zoom augmented area is delimited by a dashed square [10x], **B** [20x] and **F** [40x]. **G** IBA-1⁺ surface coverage percentage and H) IBA-1⁺ Microglia branch length in the CA1 region of the hippocampus of rats in control and PI groups. Data are represented as mean \pm SD of the percentage of positively stained area from 10 random slides per sample, or mean \pm SD of the branches length divided by the number of cells per slide from 10 random slides per sample. **p* < 0.05. PI: peri-implantitis group; CTRL: control group; `LIBA-1 positive cell. Figure scales correspond to:left [200 µm], middle [100 µm] and right [50 µm] figures





The original article has been corrected.

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