



Corrigendum: Targeting Anion Exchange of Osteoclast, a New Strategy for Preventing Wear Particles Induced-Osteolysis

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A Corrigendum on

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In the original article, there was a mistake in **Figure 1** as published. **Figure 1C** did not correctly match the description in the figure legend. The corrected **Figure 1** appears below.

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

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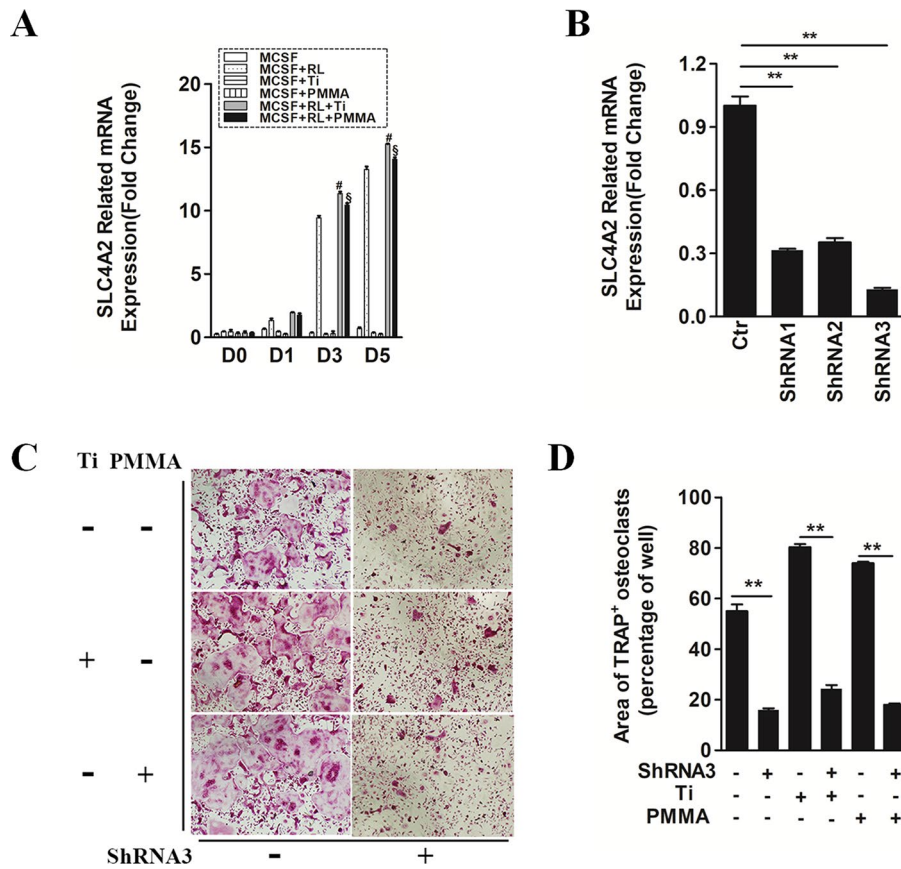


FIGURE 1 | SLC4A2 plays an important role in wear particle-induced osteoclastogenesis. **(A)** Up-regulation of *Slc4a2* gene expression in the process of wear particle-induced osteoclastogenesis. Bone marrow-derived macrophages (BMM) were used [#], MCSF+RANKL(RL)+Ti vs. MCSF+RL, $P < 0.01$; \$, MCSF+RL+PMMA vs. MCSF+RL, $P < 0.01$. **(B)** Three different shRNA vectors targeting *Slc4a2*, with shRNA3 yielding the greatest reduction in *Slc4a2* mRNA. Effective knockdown of *Slc4a2* in BMM cells, at 48 h after transfection using *Slc4a2* shRNA1, shRNA2 and shRNA3, respectively. After transfection, cells were induced to differentiate into osteoclasts and harvested to examine *Slc4a2* expression using reverse transcription quantitative PCR (RT-qPCR). **(C)** Effect of knockdown of *Slc4a2*, using shRNA3, on wear particle-induced osteoclastogenesis *in vitro*. **(D)** The area of TRAP-positive cells, measured using ImageJ ($*P < 0.05$; $**P < 0.01$). At least three independent replicated of each experiment were conducted separately.