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Correction

Correction: Oh et al. Enhanced Effect of Polyethyleneimine-Modified Graphene Oxide and Simvastatin on Osteogenic Differentiation of Murine Bone Marrow-Derived Mesenchymal Stem Cells. *Biomedicines* 2021, *9*, 501

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Addition of an Author

Jeong-Sun Park was not included as an author in the original publication [1]. The corrected Author Contributions Statement appears here.

Author Contributions: Conceptualization, E.-J.L.; methodology, E.-J.L. and J.-S.O.; investigation, E.-J.L., J.-S.P. and J.-S.O.; validation, J.-S.P. and J.-S.O.; writing—original draft preparation, E.-J.L. and J.-S.O.; writing—review and editing, E.-J.L. and J.-S.O.; supervision, E.-J.L.; project administration, E.-J.L.; funding acquisition, E.-J.L. All authors have read and agreed to the published version of the manuscript.

Missing Citation

In the original publication [1], **Park (2018)** was not cited. The citation has now been inserted in the legends of figures and references' order has also been adjusted.

29. Park, J.-S. Carbon-Based Graphene as a Drug Carrier for Use in Tissue Engineering. Master's Thesis, Dankook University, Cheonan, Korea, 8 January 2018. (In Korean)

Figure Legend

In the original publication [1], there was a mistake in the legends of all figures. **This study is based on Jeong-Sun Park's Master thesis [29], so the Master thesis has to be cited in the legends of those figures**.

Figure 1. Schematic representation of the formation of polyethyleneimine-modified graphene oxide/simvastatin complexes. EDC: ethyl (dimethylaminopropyl) carbodiimide; NHS: N-hydroxysuccinimide. Modified from [29].

Figure 2. Fourier transform infrared spectrum of graphene oxide (GO), polyethyleneimine (PEI), and GO-PEI product. Modified from [29].

Figure 3. The electrical characteristics of graphene oxide (GO), GO-polyethyleneimine (GP), simvastatin (Sim), and GP/Sim (GS1–GS4) measured with zeta potential. Modified from [29].

Figure 4. In vitro cell test results. Cell attachment revealed by CLSM (A). Proliferation of MSCs for 7 days of culturing (B). CLSM images were taken at 100× magnification. Error bars represent +/− standard deviations ($n \geq 3$). *** $p < 0.001$. Modified from [29].

Figure 5. Alkaline phosphatase activity of mesenchymal stem cells on graphene oxide–polyethyleneimine–simvastatin complexes with different simvastatin content after 7 days and 14 days of culturing. Error bars represent +/− standard deviations ($n \geq 3$). *** $p < 0.001$. Modified from [29].

Figure 6. Alizarin Red S assay result for mesenchymal stem cells after 21 days of culturing. Error bars represent +/− standard deviations ($n \geq 3$). ** $p < 0.01$. Modified from [29].

check for updates

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Figure 7. Real-time polymerase chain reaction following in vitro mesenchymal stem cell culturing with culture plate (control), and concentration of graphene oxide–polyethyleneimine–simvastatin complex treatment after 7 and 14 days of culturing. Early marker runt-related transcription factor 2 (A) and late markers osteopontin (B) and osteocalcin (C). Error bars represent +/− standard deviations ($n \geq 3$). ** $p < 0.01$ and-* $p < 0.001$. Modified from [29].**

The authors apologize for any inconvenience caused and state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Oh, J.-S.; Park, J.-S.; Lee, E.-J. Enhanced Effect of Polyethyleneimine-Modified Graphene Oxide and Simvastatin on Osteogenic Differentiation of Murine Bone Marrow-Derived Mesenchymal Stem Cells. *Biomedicines* **2021**, *9*, 501. [CrossRef]