

ERRATUM

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Erratum to: CXCL14 and MCP1 are potent trophic factors associated with cell migration and angiogenesis leading to higher regenerative potential of dental pulp side population cells

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Erratum

Following the publication of our article in *Stem Cell Research & Therapy* [1], we have become aware that errors were introduced inadvertently in Fig. 2.

During the preparation of panel J, the bands of β -actin were cut out and attached in the middle to remove non-specific bands. The bands of all samples were located on the same membrane. Unfortunately this panel was included in our article by mistake.

We are now providing a new version of Fig. 2 below which presents in panel J experimental data which were obtained at the same time.

The protein band intensity was re-quantified by densitometry (CS Analyzer) using the correct TRH-DE and β -actin band. Relative protein expression level was evaluated on the basis of band intensity of TRH-DE/ β -actin. Each expression level of normal pulp was defined as 1.0.

We apologize for this error and confirm that the conclusions of the article are not affected.

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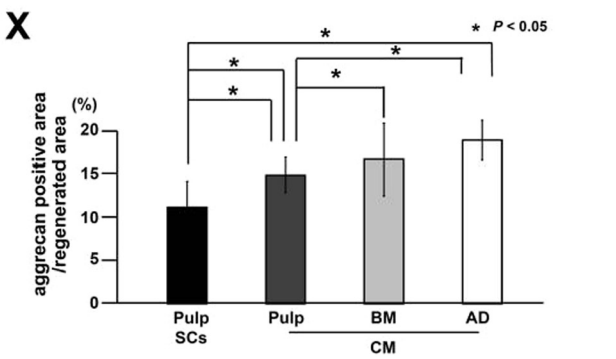
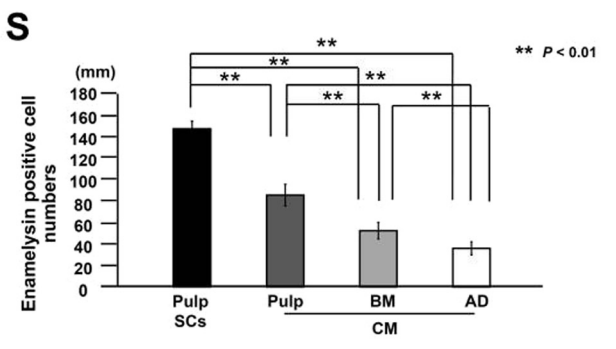
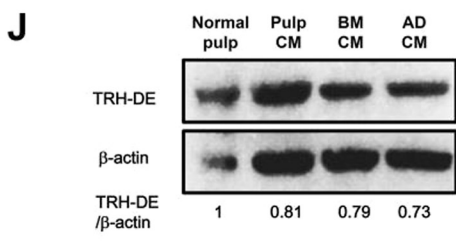
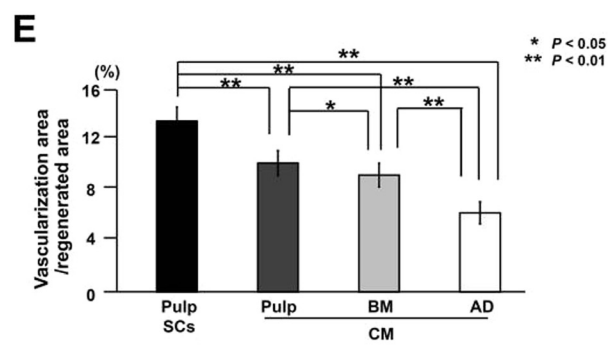
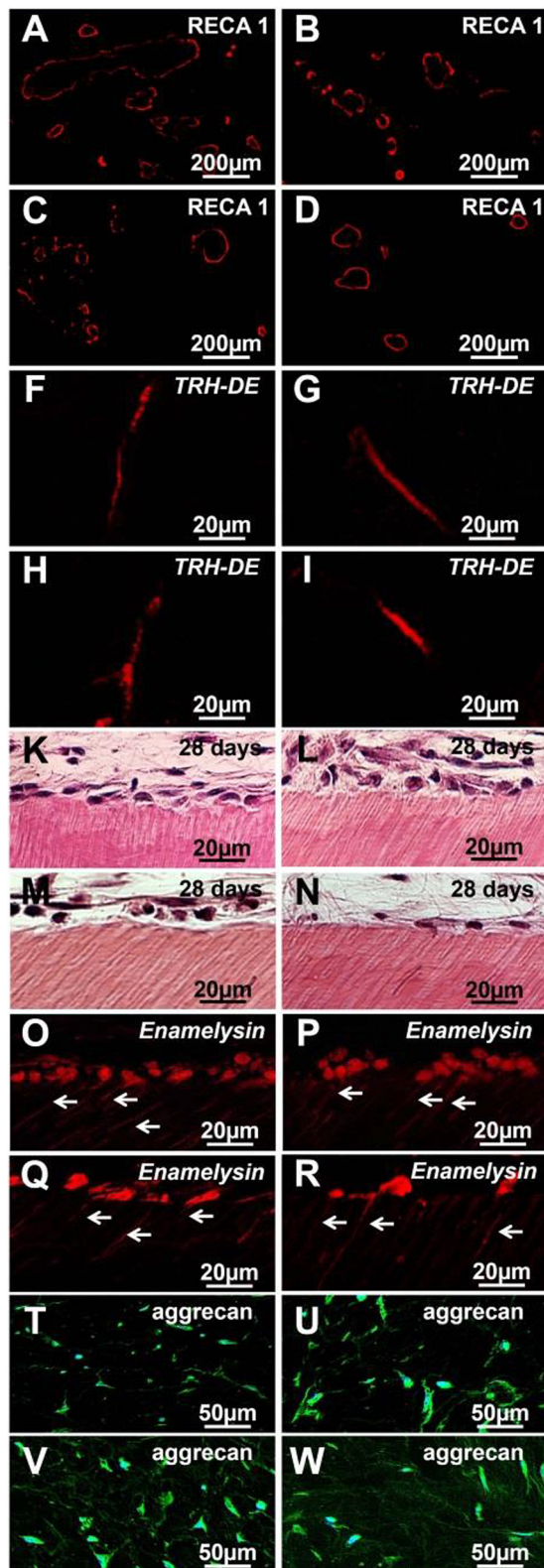


Fig. 2 (See legend on next page.)

(See figure on previous page.)

Fig. 2 Characterization of regenerated tissue on day 28 in an ectopic tooth root transplantation model. **a, f, k, o, t** Transplant of pulp CD31⁺ side population (SP) cells (Pulp SCs). **b, g, l, p, u** Transplant of conditioned medium (CM) from pulp CD31⁺ SP cells (Pulp CM). **c, h, m, q, v** Transplant of CM from bone marrow CD31⁺ SP cells (BM CM). **d, i, n, r, w** Transplant of CM from adipose CD31⁺ SP cells (AD CM). **a-d** Immunostaining with rat endothelial cell antigen 1 (RECA1). **e** Ratio of vascularization area to the total regenerated area. **(f-i)** In situ hybridization analysis of expression of thyrotropin-releasing hormone-degrading enzyme (*TRH-DE*) as a pulp marker using an anti-sense probe reactive to both porcine and mouse genes. **j** Protein expression of TRH-DE in regenerated pulp after transplantation of CM from pulp, bone marrow (BM), and adipose (AD) CD31⁺ SP cells. **k-s** Odontoblastic differentiation potential in the regenerated pulp. **k-n** Odontoblastic cells along with the dentinal wall. **o-r** In situ hybridization analysis of *enamelysin*. Odontoblastic process extending into the tubular dentin (arrows). **s** Comparison of the numbers of *enamelysin*-positive cells along the dentinal wall. **t-w** Immunostaining with aggrecan (green) merged with Hoechst 33342 (Blue). **x** Ratio of aggrecan-positive area to the total regenerated area. Data are expressed as mean \pm standard deviation of four determinations. * $P < 0.05$, ** $P < 0.01$