

ERRATUM

Seventh author's name "Muneyasu SHIDA" was omitted. Also, the eighth author affiliation that was different displays. Missing of author's name was mistake only electronic J-Stage version.

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Correct notation is shown

ORIGINAL ARTICLE

***In Vitro* Study of Cell Differentiation by Two Type Mouse Embryo Stem Cells on the Dental Adhesives**

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SYNOPSIS

Embryonic Stem Cell Test (EST) is an *in vitro* embryotoxicity screening test to predict human developmental toxicity, mainly used in Europe and the United States. In the present study, EL-M3 and ES-R1-EGFP B2/EGFP cell lines were used, instead of the mouse ES-D3 cell line that is used as an indicator of cell differentiation, to compare the developmental toxicities of 11 dental adhesives with those obtained with ES-D3 cells. The results were comparable between EL-M3 and ES-D3 cell lines. Specifically, all the products fall into the category of "non-embryotoxicity," although the results widely varied. Three-dimensional culture with glass fibers could also be employed for the experiment.

Key words: dental adhesive monomer, embryotoxicity, EL-M3 cells, ES-R1-EGFP B2/EGFP cells