

ABSTRACT

The object of the present invention is to provide a preventive and/or therapeutic agent for pressure ulcers comprising a conditioned medium of immortalized mesenchymal stem cells to which specific genes are introduced as an active ingredient.

The present invention provides the preventive and/or therapeutic agent for pressure ulcers comprising the conditioned medium of immortalized mesenchymal stem cells, to which hTERT or pTERT gene, bmi-1 gene, HPV-E6 gene, and HPV-E7 gene are introduced, as an active ingredient. Here, the mesenchymal stem cells are preferably obtained from either human or swine. The conditioned medium preferably contains at least three or more cytokines selected from the group consisting of insulin-like growth factor binding protein, metalloproteinase tissue inhibitor, vascular endothelial growth factor, hepatocyte growth factor, tumor necrosis factor receptor II, and osteoprotegerin/osteoclast differentiation inhibitory factor; and each in the concentration range thereof is from 1×10^3 to 1×10^6 pg/mL, respectively.