

ABSTRACT

Provided is a composition for promotion of the regeneration of the nucleus pulposus of an intervertebral disc, said composition comprising a low endotoxin monovalent metal salt of alginic acid and mesenchymal stem cells. In particular, the composition of the present invention promotes the regeneration of the nucleus pulposus of an intervertebral disc via activation of nucleus pulposus cells by human bone marrow-derived high-purity mesenchymal stem cells and/or differentiation of human bone marrow-derived high-purity mesenchymal stem cells into nucleus pulposus cells.