AMELIORATION AND TREATMENT OF BRAIN DISORDER RESULTING FROM FETAL GROWTH RETARDATION USING PLURIPOTENT STEM CELLS

ABSTRACT

The purpose of the present invention is to provide a novel medical application of pluripotent stem cells (muse cells) in regeneration medicine. The present invention provides a cell preparation and a pharmaceutical composition which are for amelioration and treatment of brain disorders resulting from fetal growth retardation, such as abnormal motor quality or abnormal neurological development, and which contain SSEA-3 positive pluripotent stem cells isolated from a mesenchymal tissue from a live body or cultured mesenchymal cells. It is assumed that this cell preparation is based on a mechanism where muse cells that are administered to objects having the disorders are engrafted on an impaired brain tissue, thereby ameliorating or treating the disorders.

[No Suitable figure]