ABSTRACT

USE OF STEM CELLS TO REDUCE LEUKOCYTE EXTRAVASATION

The invention is generally directed to reducing inflammation by means of cells that secrete factors that reduce leukocyte extravasation. Specifically, the invention is directed to methods using cells that secrete factors that downregulate the expression of cellular adhesion molecules in leukocytes. Downregulating expression of cellular adhesion molecules reduces leukocyte adhesion to endothelial cells such that extravasation is reduced. The end result is a reduction of inflammation. The cells are non-embryonic non-germ cells that have pluripotent characteristics. These may include expression of pluripotential markers and broad differentiation potential.

Figure 1