ABSTRACT OF THE DISCLOSURE

Disclosed is a method for stimulating revascularization in a subject comprising the steps of:

(a) administering erythropoietin to the subject;

(b) collecting peripheral blood mononuclear cells from the subject; and

(c) administering the collected peripheral blood mononuclear cells to a target site of the subject. Peripheral blood mononuclear cells, and particularly CD34-positive cells, are mobilized into the peripheral blood of a subject by the administration of erythropoietin to the subject. The method of the present invention is useful for the treatment of ischemic diseases, such as peripheral vascular disorder.