of endothelial progenitor cells for postnatal vasculogenesis in physiological and pathological neovascularization. Circ Res, 1999, 85: 221-228.

10 Iwaguro H, Yamaguchi J, Kalka C, et al. Endothelial progenitor cell vascular endothelial growth factor gene transfer for vascular regeneration. Circulation, 2002, 105: 732-738.

11 Tomita S, Mickle DA, Weisel RD, et al. Improved heart function with myogenesis and angiogenesis after autologous porcine bone marrow stromal cell transplantation. J Thorac Cardiovasc Surg, 2002, 123: 1132-1140.

12 Tomita S, Li RK, Weisel RD, et al. Autologous transplantation of bone marrow cells improves damaged heart function. Circulation, 1999, 100(suppl Ⅱ): Ⅱ247-Ⅱ256.

13 Orlic D, Kajstura J, Chimenti S, et al. Bone marrow cells regenerate infarcted myocardium. Nature, 2001, 410: 701-705.

14 Orlic D, Kajstura J, Chimenti S, et al. Mobilized bone marrow cells repair the infarcted heart, improving function and survial. Proc Natl Acad Sci USA, 2001, 98: 10344-10349.

15 Peichev M, Naiyer AJ, Pereira D, et al. Expression of VEGFR-2 and AC133 by circulating human CD34(+) cells identifies a population of functional endothelial precursors. Blood, 2000, 95: 952-958.

16 Reyes M, Lund T, Lenvik T, et al. Purification and *ex vivo* expansion of post-natal human marrow mesodermal progenitor cells. Blood, 2001, 98: 2615-2625.

17 Asahara T, Murohara T, Sullivan A, et al. Isolation of putative progenitor endothelial cells for angiogenesis. Science, 1997, 275: 964-967.

18 Kalka C, Masuda H, Takahashi T, et al. Transplantation of *ex vivo* expanded endothelial progenitor cells for therapeutic neovascularization. Proc Natl Acad Sci USA, 2000, 97: 3422-3427.

19 Crosby JR, Kaminski WE, Schatteman G, et al. Endothelial cells of hematopoietic origin make a significant contribution to adult blood vessel formation. Circ Res, 2000, 87: 728-730.

20 Jackson KA, Majka SM, Wang H, et al. Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells. J Clin Invest, 2001, 107: 1395-1402.

21 Ederberg JM, Tang L, Hattori K, et al. Young adult bone marrow-derived endothelial precursor cells restore aging-impaired cardiac angiogenic function. Circ Res, 2002, 90: E89-E93.

22 Shintani S, Murohara T, Ikeda H, et al. Mobilization of endothelial progenitor cells in patients with acute myocardial infarction. Circulation, 2001, 103: 2776-2779.

23 Rabbany SY, Heissig B, hattori K, et al. Molecular pathways regulating mobilization of marrow-derived stem cells for tissue revascularization. Trends Mol Med, 2003, 9: 109-117.

24 Young PP, Hofling AA, Sands MS. VEGF increases engraftment of bone marrow-derived endothelial progenitor cells (EPCs) into vasculature of newborn murine recipients. Proc Natl Acad Sci USA, 2002, 99: 11951-11956.

·消 息·