PEER-REVIEWED REFERENCES SHOWING APPLICATIONS OF ADULT STEM CELLS THAT PRODUCE THERAPEUTIC BENEFIT FOR HUMAN PATIENTS
(not a complete listing, sample references)

ADULT STEM CELLS--HEMATOPOIETIC REPLACEMENT

CANCERS

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Dunkel, IJ; “High-dose chemotherapy with autologous stem cell rescue for malignant brain tumors”; Cancer Invest. 18, 492-493; 2000.
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Hertzberg H et al.; “Recurrent disseminated retinoblastoma in a 7-year-old girl treated successfully by high-dose chemotherapy and CD34-selected autologous peripheral blood stem cell transplantation”; Bone Marrow Transplant 27(6), 653-655; March 2001
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Schilder, RJ and Shea, TC; “Multiple cycles of high-dose chemotherapy for ovarian cancer”; Semin. Oncol. 25, 349-355; June 1998

MERKEL CELL CARCINOMA

TESTICULAR CANCER

LYMPHOMA
Tabata M et al.; “Peripheral blood stem cell transplantation in patients over 65 years old with malignant lymphoma--possibility of early completion of chemotherapy and improvement of performance status”; Intern Med 40, 471-474; June 2001
Koizumi M et al.; “Successful treatment of intravascular malignant lymphomatosis with high-dose chemotherapy and autologous peripheral blood stem cell transplantation”; Bone Marrow Transplant 27, 1101-1103; May 2001

Updated: 4/11/2007
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Tabata M et al.; “Peripheral blood stem cell transplantation in patients over 65 years old with malignant lymphoma--possibility of early completion of chemotherapy and improvement of performance status”; Intern Med 40, 471-474; June 2001

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Gorin NC et al.; “Feasibility and recent improvement of autologous stem cell transplantation for acute myelocytic leukaemia in patients over 60 years of age: importance of the source of stem cells”; Br. J. Haematol. 110, 887-893; Sept 2000
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Vesole, DH et al.; “High-Dose Melphalan With Autotransplantation for Refractory Multiple Myeloma: Results of a Southwest Oncology Group Phase II Trial”; J Clin Oncol 17, 2173-2179; July 1999.

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Updated: 4/11/2007
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ADULT STEM CELLS—IMMUNE SYSTEM REPLACEMENT

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DIABETES TYPE I (JUVENILE DIABETES)
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Kim D-I et al., Angiogenesis facilitated by autologous whole bone marrow stem cell transplantation for Buerger’s disease, Stem Cells 24, 1194-1200, 2006

IMMUNODEFICIENCIES

SEVERE COMBINED IMMUNODEFICIENCY SYNDROME
Grunbaum E et al., Bone marrow transplantation for severe combined immune deficiency, Journal of the American Medical Association 295, 508-518, 1 February 2006

Cavazzana-Calvo M et al.; “Gene therapy of human severe combined immunodeficiency (SCID)-X1 disease”; Science 288, 669-672; April 28, 2000
(Note: gene therapy using bone marrow adult stem cells as gene vehicle)

X-LINKED LYMPHOPROLIFERATIVE SYNDROME and X-LINKED HYPERIMMUNOGLOBULIN M SYNDROME
Banked unrelated umbilical cord blood was used to reconstitute the immune system in 2 brothers with X-linked lymphoproliferative syndrome and 1 boy with X-linked hyperimmunoglobulin-M syndrome. Two years after transplantation, all 3 patients have normal immune systems. These reports support the wider use of banked partially matched cord blood for transplantation in primary immunodeficiencies.

Reference:
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ADULT STEM CELLS—REPAIR/REPLACEMENT OF SOLID TISSUES

METABOLIC DISORDERS

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KRABBE LEUKODYSTROPHY

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LIMB GANGRENE

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Warnke PH et al., Growth and transplantation of a custom vascularised bone graft in a man, Lancet 364, 766-770, 28 August 2004

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HEART DAMAGE

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LIVER DISEASE

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BL ADDER DISEASE

**END-STAGE BL ADDER DISEASE**