

CURRENT STEM CELL BENEFITS IN HUMANS

Diseases Treatable With Adult Bone Marrow Stem Cells, Blood Stem Cells or Umbilical Cord Blood Stem Cells Transplant

sources include: www.marrows.org; www.viacord.com; www.cryo-cell.com

Diseases Treatable In Humans With Embryonic Stem Cells: NONE

Diseases Treatable with Adult Stem Cells:

Acute Leukemia's

- Acute Lymphoblastic Leukemia (ALL)
- Acute Myelogenous Leukemia (AML)
- Acute Biphenotypic Leukemia
- Acute Undifferentiated Leukemia
- Acute Myeloid Leukemia (ALL)

Myeloproliferative Disorders

- Acute Myelofibrosis
- Agnogenic Myeloid Metaplasia (myelofibrosis)
- Polycythemia Vera
- Essential Thrombocythemia

Chronic Leukemia's

- Chronic Myelogenous Leukemia (CML)
- Chronic Lymphocytic Leukemia (CLL)
- Juvenile Chronic Myelogenous Leukemia (JCML)
- Juvenile Myelomonocytic Leukemia (JMML)
- Chronic Myeloid Leukemia

Lymphoproliferative Disorders

- Non-Hodgkin's Lymphoma
- Hodgkin's Disease

Phagocyte Disorders

- Chediak-Higashi Syndrome
- Lymphomatoid Granulomatous Disease
- Neutrophil Actin Deficiency
- Reticular Dysgenesis

Myelodysplastic Syndromes

- Myelodysplastic Syndrome
- Refractory Anemia (RA)
- Refractory Anemia with Ringed Sideroblasts (RARS)
- Refractory Anemia with Excess Blasts (RAEB)
- Refractory Anemia with Excess Blasts in Transformation (RAEB-T)
- Chronic Myelomonocytic Leukemia (CMML)

Inherited Metabolic Disorders

- Mucopolysaccharidoses (MPS)
- Hurler's Syndrome (MPS-IH)
- Hurler -Scheie Syndrome (MPS-IS)
- Hunter's Syndrome (MPS-II)
- Sanfilippo Syndrome (MPS-III)
- Morquio Syndrome (MPS-IV)
- Maroteaux-Lamy Syndrome (MPS-VI)
- Sly Syndrome, Beta-Glucuronidase Deficiency (MPS-VII)
- Adrenoleukodystrophy
- Mucopolipidosis Type II, III
- Krabbe Disease
- Gaucher's Disease (infantile)
- Niemann-Pick Syndrome, type A and B
- Wolman Disease
- Metachromatic Leukodystrophy

Hematopoietic Cell Disorders

- Aplastic Anemia (Severe)
- Fanconi Anemia
- Paroxysmal Nocturnal Hemoglobinuria (PNH)
- Pure Red Cell Aplasia

Inherited Metabolic Disorders – continued

- Hermansky-Pudlak Syndrome
- Alpha Mannosidosis
- Sandhoff Syndrome
- Tay-Sachs Disease
- Niemann Pick Syndrome, Type A and B

Histiocytic Disorders

- Familial Erythrophagocytic Lymphohistiocytosis
- Histiocytosis-X
- Hemophagocytosis

Other Inherited Disorders

- Lesch-Nyhan Syndrome
- Cartilage-Hair Hypoplasia
- Glanzmann Thrombasthenia
- Osteopetrosis

Inherited Platelet Abnormalities

- Amegakaryocytosis / Congenital Thrombocytopenia

Plasma Cell Disorders

- Multiple Myeloma
- Plasma Cell Leukemia
- Waldenstrom's Macroglobulinemia
- HoSC Disease
- Sickle B Thalassemia
- AlphaThalassemia Major

- Beta Thalassemia Major
- Beta Thalassemia intermedia
- E- Beta+ Thalssemia

Inherited Erythrocyte Abnormalities

- Beta Thalassemia Major
- Sickle Cell Disease

Inherited Immune System Disorders

- Ataxia-Telangiectasia
- Kostmann Syndrome
- Leukocyte Adhesion Deficiency
- DiGeorge Syndrome
- Bare Lymphocyte Syndrome
- Omenn's Syndrome

- Severe Combined Immunodeficiency (SCID)
- SCID with Adenosine Deaminase Deficiency
- Absence of T & B Cells SCID
- Absence of T Cells, Normal B Cell SCID
- Common Variable Immunodeficiency
- Wiskott-Aldrich Syndrome
- X-Linked Lymphoproliferative Disorder
- Autoimmune Neutropenia (Severe)

Syndromes (Other)

- Congenital Dyserythropoietic Anemia
- Cyclic Neutropenia
- Juvenile Dermatomyositis
- Schwachman Syndrome
- Congenital Sideroblastic Anemia
- Thrombocytopenia with Absent Radius (TAR Syndrome)

Immunodeficiencies

- Chronic Granulomatous Disease
- IKK Gamma Deficiency
- Immune Dysregulation Polyendocrineopathy X-linked
- Mucopolysaccharidosis, Type II
- X-linked Immunodeficiency
- X-linked agammaglobulinemia
- Leukocyte Adhesion Deficiency

Other Malignancies

- Breast Cancer
- Ewing Sarcoma
- Neuroblastoma
- Renal Cell Carcinoma
- Langerhan's Cell Histiocytosis
- Diamond-Blackfan Anemia
- Dyskeratosis Congenita
- Beta- Thalassemia (Cooley's Anemia)
- Liposarcoma
- Batten Disease (inherited neuronal ceroid lipofuscinosis)
- Gunther Disease
- Maroteaux-Lamy Syndrome
- Reticular Dysplasia
- Thymic Dysplasia
- Evans Syndrome
- Lymphomatoid granulomatosis

Prepared by Ralph Rivera for Illinois Citizens for Life 5021 Fairview Av. Downers Grove, IL 60515 -- August 2015