

This is a list of Primary Immunodeficiency conditions which can benefit from Haemopoietic stem cell Transplantation compiled by:

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A. Profound T cell defects

1. Severe Combined Immunodeficiency (SCID)

ARTEMIS

CD3 ζ

CD3 δ

CD3 ϵ

CD45

IL2R γ

IL2R $\alpha^{b, d}$

IL7R α

Jak-3

Orai-1

RAG1/RAG2

Zap-70

2. SCID with unknown genotype

3. SCID with residual dysfunctional T cell (CID)^{b, c}

4. Omenn syndrome

B. Profound T cell defects associated with metabolic or multi-organ syndromes

5. Adenosine Deaminase (ADA) deficiency^{a, b}

6. Cartilage hair hypoplasia (CHH)^{b, c}

7. DNA ligase 4 deficiency, Cernunnos deficiency^{b, c, d}

8. Purine Nucleoside Phosphorylase (PNP) deficiency

9. Wiskott Aldrich syndrome (WAS)^{b, c}

C. Other conditions

10. Autoimmune Lymphoproliferative Syndrome (ALPS)^{b, c}
11. CD40L deficiency^{a, b, c}
12. CD40 deficiency^{a, b, c}
13. Chediak-Higashi syndrome
14. Chronic granulomatous disease^{b, c}
15. DiGeorge syndrome^{a, c, d}
16. Dyskeratosis congenita (Hoyerall-Hreidarsson syndrome)^d
17. Griscelli syndrome
18. Hemophagocytic lymphohistiocytosis (HLH)^b
19. Hyper-IgE syndrome^{a, b, d}
20. IFN- γ R deficiency^{b, d}
21. Immune dysregulation, Polyendocrinopathy, Enteropathy, and X-linked inheritance (IPEX)^{b, c}
22. Leukocyte Adhesion Defect (LAD)
23. Mevalonate deficiency
24. Major Histocompatibility Antigens (MHC) class II deficiency
25. NF-Kappa-B Essential Modulator (NEMO) deficiency^d
26. Reticular dysgenesis
27. Schimke syndrome^{b, c, d}
28. Severe congenital neutropenia^d
29. X-Linked Hypogammaglobulinemia (XLP)

Limitations:

^a: MRD-BMT only

^b: Limited to infancy and childhood/severe form, if evidence on adults is lacking.

^c: Profound immunodeficiency

^d: Selected cases