REFERENCES

1. Rosen FS, Cooper MS, Wedgwood RJ. Primary immunodeficiencies. *N Engl J Med*. 1984;311:300–310
2. WHO report: primary immunodeficiency diseases. *Immunodef Rev*. 1989; 1:173–205
3. Alarcon B, Regueiro JR, Arnaiz-Villena A, Terhorst C. Familial defect in the surface of the T-cell receptor-CD3 complex. *N Engl J Med*. 1988;319: 1203–1207
4. Soudais C, de Villartay JP, Le Deist F, Fischer A, Lisowska-Grospierre B. Independent mutations of the human CD3 gene resulting in a T-cell receptor CD3 complex immunodeficiency. *Nature Genet*. 1993;3:77–81
5. Griscelli C, Lisowska-Grospierre B, Mach B. Combined immunodeficiency with defective expression in MHC class II genes. *Immunodef Rev*. 1989;1:135–153
6. Chatila T, Wong R, Young M, Miller R, Terhorst C, Geha RS. An immunodeficiency characterized by defective signal transduction in T lymphocytes. *N Engl J Med*. 1989;320:696–702
7. Burke B, Filipovich AH, Quinones RR, Miller RT, Kersey JH. Severe combined immunodeficiency with response to calcium ionophore: a possible membrane defect. *J Pediatr Pathol*. 1983;1:217–225
8. Weinberg K, Parkman R. Severe combined immunodeficiency due to a specific defect in the production of interleukin 2. *N Engl J Med*. 1990; 322:1718–1723
9. Chu ET, Rosenwasser LJ, Dinarello CA, Rosen FS, Geha RS. Immunodeficiency with defective response to interleukin 1. *Proc Natl Acad Sci USA*. 1984;81:4945–4949
10. Chatila T, Castigli E, Pahwa R, et al. Primary combined immunodeficiency resulting from defective transcription of multiple T-cell lymphokine genes. *Proc Natl Acad Sci USA*. 1990;87:10033–10037
11. Market ML. Purine nucleoside phosphorylase deficiency. *Immunodef Rev*. 1991;3:45–81
12. Remold-O'Donnell E, Rosen FS. Sialophorin (CD43) and the Wiskott Aldrich syndrome. *Immunodef Rev*. 1990;2:151–174
13. Omenn GS. Familial reticuloendotheliosis with eosinophilia. *N Engl J Med*. 1965;273:427–432
14. De Saint Basile G, Le Deist F, de Villartay JP, Fischer A. Restricted heterogeneity of T lymphocytes in combined immunodeficiency with hypereosinophilia (Omenn's syndrome). *J Clin Invest*. 1991;87:1352–1359
15. Mac Dermot KD, Winter RM, Wigglesworth JS, Strobel S. Short stature/ short limb skeletal dysplasia with SCID and bowing of the femora: report of two patients and review. *J Med Genet*. 1991;28:10–17
16. Boder E. Ataxia telangiectasia: an overview. In: Gatti RA, Swift M, *Ataxia Telangiectasia: Genetics, Neuropathology and Immunology of a Degenerative Disease of Childhood*. New York: Alan R. Liss Inc; 1985:1–63
17. Weemaes CMR, Hustinx TWJ, Scheres JC. New chromosome instability disorder: the Nijmegen breakage syndrome. *Acta Paediatr Scand*. 1981; 70:557–562
18. Rijkers GT, Scharenberg JGM, Van Dongen JM, Neijens HJ, Zegers BJM. Abnormal signal transduction in a patient with severe combined immunodeficiency disease. *Pediatr Res*. 1991;29:306–309
19. Frenkel J, Neizens HJ, Den Hollader JC, Wolvers-Tettero ILM, Van Dongen JJM. Oligoclonal T cell proliferative disorder in combined immunodeficiency. *Pediatr Res*. 1988;24:622–627
20. Doi S, Saiki O, Tanata T. Cellular and genetic analyses of IL-2 production and IL-2 receptor expression in a patient with familial T-cell dominant immunodeficiency. *Clin Immunol Immunopathol*. 1988;46:24–36
21. Le Deist F, Thoenes G, Corado J, Lisowska-Grospierre B, Fischer A. Immunodeficiency with low expression of the T cell receptor/CD3 complex. Effect on T lymphocyte activation. *Eur J Immunol*. 1991;21: 1641–1648
22. Fischer A, Le Deist F, Durandy A, Griscelli C. Separation of a population of human T lymphocytes that bind prostaglandin E2 and exert a suppressor activity. *J Immunol*. 1985;134:815–819
23. Spickett GP, Webster AD, Farrant B. Cellular abnormalities in common variable immunodeficiency. *Immunodef Rev*. 1990;2:199–219
24. Conley ME, Park CL, Douglas SD. Childhood common variable immunodeficiency with autoimmune disease. *J Pediatr*. 1986;108:915–922
25. Collins FS. Positional cloning: let's not call it reverse anymore. *Nature Genet*. 1992;1:3–5
26. Vetrie D, Vorechovsky I, Sideras P, et al. The gene involved in X-linked agammaglobulinemia is a member of the src family of protein-tyrosine kinases. *Nature*. 1993;361:226–233
27. O'Reilly RJ, Keever CA, Small TN, Brochstein J. The use of HLA-non identical T cell depleted marrow transplants for correction of SCID. *Immunodef Rev*. 1989;1:273–309
28. Fischer A, Griscelli C, Friedrich W, et al. Bone marrow transplantation for immunodeficiencies and osteopetrosis: European survey 1968–1985. *Lancet*. 1986;2:1080–1084
29. Fischer A, Friedrich W, Fasth A, et al. Reduction of graft failure by a monoclonal antibody (anti-LFA-1-CD11a) after HLA non identical BMT in children with immunodeficiencies, osteopetrosis and Fanconi's anemia. *Blood*. 1991;77:249–256

PLUMBING THE DEPTHS OF BAD-NESS

AIDS activists. . .have felt that any treatment is better than none. . . [but] there is no disease so dreadful that it cannot be made worse by a bad drug; no death so imminent that it cannot be hastened; no distress so severe that it cannot be worsened by toxicity.

Freedman B. AIDS and the ethics of clinical trials: learning the right lessons. *Controlled Clin Trials*. 1992;13:1–5.

Submitted by Student