Plasma Thromboplastin Antecedent Deficiency

Robert L. Rosenthal
New York, New York, USA

Summary

Plasma thromboplastin antecedent is a beta-globulin which is essential to normal coagulation. Its deficiency results in a hemorrhagic disease which is relatively less severe than either AHG or PTC deficiency. Transmitted as an autosomal dominant gene with variable expression and penetrance, the disease occurs in both males and females. The incidence of PTA deficiency seems to be high in comparison with the other hereditary clotting protein abnormalities. At present, our series numbers 39 cases (29 families). Since PZA is a catalytic, stable factor, which is present in serum, it is well corrected by both fresh or stored blood or plasma (15% replacement). The correction gradually disappears over the period of one week.
23 Blood Transfusion