Ho-Yen et al. [1982] recently reported coagulation inhibition in manic depression with all clotting factor assays being normal. Perhaps prostaglandins can be implicated here. Prostaglandin E₁ (PGE₁) is a potent inhibitor of platelet aggregation [Kloeze, 1969]. Platelets from patients with mania make more PGE₁ than normals [Abdulla and Hamadah, 1975] and, indeed, high levels of PGE₁ have been proposed to play a major role in manic depression [Horrobin and Manku, 1980]. Although Ho-Yen et al. [1982] found no LE cells in their assay, it is interesting to note that in fact PGE₁ inhibits adjuvant arthritis and the systemic lupus-like renal disease in NZB/W mice probably by activating T suppressor lymphocytes [Krakauer, et al., 1978].

References