M. CAFFREY, D. A. BREWERTON, F. D. HART, AND D. C. O. JAMES (Blood Transfusion Unit, Westminster Hospital, London) To aid the diagnosis of ankylosing spondylitis in patients a study of a genetic

85 unrelated ankylosing spondylitic patients using a standard lymphocytotoxicity test. Twenty-six human lymphocyte antigens were studied and significant differences were observed between the frequency of the HL-A 27 in ankylosing spondylitic patients (95%) and normal controls in a Caucasian population (5%).

The finding that the antigen HL-A 27 appears to have a higher frequency among certain isolated communities, where there is a greater incidence of ankylosing spondylitis than in others, lends support to the above observation. Likewise, its low frequency among negroid populations, which have a very low incidence of this disease, is also of interest.

The presence of HL-A 27 among these patients

receiving anticonvulsants is emphasized. Some of the implications of the overall findings, including their possible relevance to an immunosuppressive effect of anticonvulsant drugs, are briefly discussed.

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## An Assessment of Acid and Alkaline Phosphatase Determinations in the Diagnosis of Prostatic Cancer

D. M. GOLDBERG AND G. ELLIS (The Royal Hospital, Sheffield) Serum acid phosphatase (AcPase) was routinely measured by the method of Ellis, Belfield, and Goldberg (1971) on 389 patients grouped as follows: (a) untreated carcinoma of prostate (45 cases); (b) treated carcinoma of prostate (22 cases); (c) benign prostatic hypertrophy—biopsy positive