

C025571 : MAJOR GENETICS

KEY WORD : CHROMOSOME STUDIES/AUTISTIC MALES

PEERAPONG WATTANA : CHROMOSOME STUDIES IN 86 AUTISTIC MALES.

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The studies of chromosome in 86 autistic males were found abnormalities in 3 cases. They were fra(6)(p23), fra(X)(q27.3) and 47, XY,+18 in 1.16 % , 2.33 % and 1.16 % respectively. The average age of these males, their fathers and mothers were 8.1, 31.9 and 28.7 years respectively. All cases were "autism full syndrome" as defined by DSM III. It was noticeable that the patients who had chromosome abnormalities were under 5 years old.

The culture medium used in this study was M 199. FUdR and MTX were added into cultures to induce fragile sites.