

Protein electrophoresis in schizophrenias

Gawwad, M. S. Abdel-Gawwad, Z.

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This work aimed to study some biochemical changes in schizophrenic patients. The fractions of serum proteins in 19 male schizophrenic patients were analyzed quantitatively by paper electrophoresis by direct photometry, using Spinco Analytrol Unit. Alpha 2-globulin was found to be distinctly increased above average normal.

The trend of increase was also found for alpha-1 and beta-globulin fractions.

Gamma-globulin was almost normal in studied sample of schizophrenics. In some patients albumin was slightly increased. The total proteins were significantly increased in all schizophrenic patients. The A/G ratio was decreased. The level of plasma albumin in studied schizophrenic patients was not significantly different from the average normal.

However, the general trend was increased globulin fractions of alpha-2, alpha-1 and beta-globulin. Alpha-globulin level in studied patients was very close to the normal average.