Relationship Between LNNB Scale Scores

and

Chlopromazine Equivalents in Acute Schizophrenia

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Relationship Butwain 1886. Scala Scenes and Chlopromazine Equivalents in Acute Schizophrenia

The role of neuroleptics on asucopsychological performance has not been well understood. In part, this lack of understanding is due to the limited number of studies as well as problems of subject selection in the existing studies. For example, in the Killian. Holzman, Pavis and Gibbons (1984) and Fuents, Tune, Orell and Hendrickson (1985), only chronic schizophrenics were used.

In the present study, a sample of 80 imparient schizophrenics (not clinical subjects) were diagnosed independently by a psychiatrist and psychologist and volunteered for the study. However, since all petients were actively psychotic (e.g., hallucinating) only 15 were able to complete the entire study. Subjects were drawn from a population of non-brain damaged schizophrenies recently admitted to a weceiving facility (iocal 500-bed general hospital). All subjects were right-handed, had et least a winth grade education, had good corrected or uncorrected vision, and were able to read, understand, and eigh a consent form. There were 7 males and 8 femalos. Yahlisa and 8 blacks with an average education level 11.7 and age of 53.7. The average musicar of days of medication administration pulson to casting was suft and the average drug fose in chlorprosatine eggs elitate was tutif egg. Subjects were tosted by a research see an unit who the applicate in neuropsychological assessment but said the filligge the diagnosis.

Neuroleptic desages of each subject were converted to chlopromazine equivalents (CPZE) according to the conversion formula of Davis (1976). Each subject was individually administered Form 1 of the Luria-Nebraska Neuropsychological Battery (Golden, Hammeke, & Purisch, 1980) in an isolated room on the ward on Saturday morning after their first but before their second dose of medication.

Pearson's r correlations between CPZ-E and T scores of each of the 16 major LNNB scales did not reveal any significant (.01) relationships. These findings extend earlier results indicative of a lack of relationship between neuroleptic dose and neuropsychological performance with the use of an acute, activity psychotic (and difficult to test) sample of non-brain-damaged schizophrenics. Additionally, the results indicate that all subjects exhibited scores on the average 18.94 T points above critical level for each of the 16 scales. Whether this is indicative of neuropsychological deficits directly attributable to the schizophrenic syndrome or to the neuroleptics is not known. Further studies need to be conducted examining the relationship of neuroleptic blood serum and not dose levels with neuropsychological performance prior to arriving at a better understanding of neuropsychological deficits in schizophrenia.