

November 25, 1966

Dr. Donald M. Shapiro  
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Dear Don,

I have reviewed the graphs and the data which you gave me of the barbiturate-stimulant EEG study with a view to selecting the EEG criteria which may best characterize the drug related changes. First, I emphasized those variables which had at least four periods of significant differences of the twenty time periods studied. After that, I reviewed each of the graphs for "trends" in order to select additional variables.

It soon became apparent that on a number of items, the various drugs could be distinguished at different time periods and these are identified in the attached table. We have the greatest number of criteria for drug III and IV, lesser for I and II, and least for drug V.

With this table in mind, I would recommend that the discriminant analyses be based on the following criteria:

Items 2 and 13 because they are the only ones for drug five.

Items 3, 5, 10 and 13 because they are determinants for a variety of periods and various drugs.

Items 17 or 18 - these seem to go in parallel and one or the other is probably satisfactory.

Item 4 is useful for drug III. There are other determinants at the time periods and this may be deleted.

Dr. Shapiro

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While there may be other ways of selecting criteria, this so far seems to be the easiest and I would suggest that these items be used in the next analysis.

I will call you early in the week. Many thanks.

Sincerely yours,

Max Fink, M.D.  
Professor of Psychiatry

MF:kp

cc: Dr. Itil  
Miss Hickman