

MS/CM

Mr. [Name],
[Address]
[City]

15th June, 1971.

Dear [Name],

As it is a few days since my return from the State I have not had time to read the letters in regard to [Name] and other [Name] and have only now been able to read and state the general sense of papers you sent over during my absence.

In this letter, I wish to deal with your letter of [Date] regarding [Name]. Sir Charles was able to consider this [Name] and I think I cannot do better than to send you a copy of his notes to me, with which I am in full agreement.

It is not clear from Dr. Burgess's report whether he is referring to the effect on the pulmonary diffusing capacity but I have strongly with Sir Charles that the extent of the effect is not sufficient to be entirely conclusive. The point of this is to establish that the dosage of nicotine administered as a nicotine aerosol matches that absorbed as tobacco smoke. Only in this way can we demonstrate that a cloud of particulate matter, with the same distribution of cigarette smoke, has no effect on pulmonary diffusing capacity.

I have nothing at all to add to Sir Charles's comments on the second experiment.

The general point is that nowhere does Burgess describe the way in which he administers the nicotine aerosol. I am assuming that it is an aerosol of the salt, nicotine hydrogen tartrate, and you may, therefore, find it worthwhile discussing with him the question of acid-base balance in relation to the site and degree of nicotine absorption and its consequential effects on the respiratory tract pneumodynamics.

With kind regards,

Yours sincerely,

D.C. FELTON

Enc.

cc: Sir Charles Ellis
Dr. S. J. Green

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