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To: Messrs A Gillon, B B Brooks Date: 18th August, 1983

From: H W Gaisch Number: see distribution list

Subject: WAHREN - NICOTINE/COTININE STUDY,
HUMAN ARTERIAL BLOOD

With reference to the previous correspondence on the subject, especially my telex of 6th July, 1983 and my memo of 11th July, 1983, I am pleased to communicate that the first blood analysis results of plasma samples sent by Professor Wahren to Dr Neurath have been received in Neuchâtel.

The data come from two smokers with arterial catheter in place through which blood samples were taken during the time the test persons smoked and up to a total time of 60 minutes. Each puff is almost instantly followed by a discrete nicotine peak in the blood. The basal nicotine value is again approached approximately 30 minutes after the start of the smoking. The peak values of nicotine being reached about 4 - 5 minutes after the start and being in the range of 55 to 86 ng/cigarette.

The pattern of the response observed in this pilot experiment looks very good, so that we took action to start the main experiment immediately in which Barclay is compared with four other cigarettes ranging from 0.1 mg nicotine per cigarette to 0.3, 0.6 and 0.9 mg.

Because Professor Wahren is still waiting for the PPA, which is still in transit, we are going to conduct the study in two parts, so as to avoid getting the data too late for the ongoing court cases. The first part simply consisting of smoking session without estimation of the real percentage of ventilation.


Helmut Gaisch

cc:
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