

THE MONTREAL GENERAL HOSPITAL

MONTREAL, QUEBEC

TELEPHONE
537-8011

January 10, 1968

Dr. Parker Clewley
Medical Director of Health Services
Imperial Tobacco Co. of Canada Ltd.
3810 St. Antoine St.
Montreal, P.Q.

Dear Dr. Clewley,

Further to our conversation, I enclose some material concerning our research interests involving Nicotine and Tobacco smoke.

The work involving the injection of Nicotine into the human aorta was begun at the Cardiovascular Research Institute in San Francisco. This was presented at the Canadian Cardiovascular Society meeting in Montreal last October. I enclose a copy of the abstract which will be published soon in the Canadian Medical Association Journal. Nicotine has not been injected into the arterial side of the human circulation before and as the results have considerable basic physiologic interest not only regarding the pharmacology of Nicotine but also the function of the chemo-receptors in the regulation of the human cardiovascular system, I plan to carry on this work in our new laboratory facilities here. In particular, we plan to inject small doses of Nicotine into the carotid arteries and later to study the direct effects on the coronary circulation in the human.

Our interest in the effects of Nicotine and cigarette smoke on the airways and pulmonary capillary vessels began last summer with some preliminary experiments as described. This project is also being continued.

As you can see from the enclosed material, a significant amount of our research effort is given to studies involving Nicotine. Our interests are mostly related to basic physiological and pathophysiological processes in the human, but there have already been results of practical value.

~~Our projects~~ relating to Nicotine will

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