

FROM: SGHME

29 May 1973

SUBJECT: Semi-Annual Progress Report on Investigation

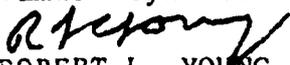
TO: SCS/Dr McPhaul

1. F-21 (72). The role of thyrotropin (TSH) in the pathophysiology of goiter and thyroid nodules. This project is progressing quite satisfactorily in regard to the follow-up of patients with goiter, less satisfactory in regard to nodules. Sixty-eight patients have been studied with goiter with serial follow-up. A total of 30 patients have had initial study with thyroid nodules, but the follow-up has not been entirely satisfactory in regard to subsequent TSH levels in these patients. Preliminary review of the data indicates that the patients with goiters have high TSH levels, probably because many of them are subclinically hypothyroid. TSH levels in the thyroid nodule patients appeared to be normal. As mentioned in the last report on this project, a measurement of TSH has become established firmly enough to warrant its use on a strictly clinical basis. Data will be continued on patients, however, the data gathered to date is being compiled for publication. It is anticipated that the Brooks Bio-statistic Branch will have to be utilized in the correlation between the TSH values and the numerous other thyroid function studies we have gathered. There have been no significant deviations from the protocol. Not specifically mentioned in the protocol, however, was our plans at the present time to re-run all the TSH's again in order to more validly compare the values between the groups. Man hours expended include 20 hours duty time for a SSgt (904), approximately 20 hours duty time for Lt Colonel (9386), approximately 10 hours off-duty time for Lt Colonel (9386).

2. C-7 (71). A retrospective clinical and pathologic analysis of over 500 patients with thyroid carcinoma. Over the past six months the progress of this investigation has continued and it consists almost exclusively of the computer analysis of the data already gathered and some further review of the pathology by Dr. Ortel in the AFIP. Only very preliminary review of the data has been accomplished pending final pathologic readouts and computer printouts. The man hours expended in support of this project over the past six months have been devoted almost exclusively to the Brooks Bio-statistics Branch and Dr. Ortel at the AFIP.

3. F-9 (71). Controlled study of beta adrogenic blockade in the treatment of diffuse toxic goiter. As mentioned in the last report, this study has been completed and the data is currently in the hands of Dr. Mazzaferri in preparation for publication.

4. F-16 (72). Measurement of thyroid hormone and thyroid stimulating hormone in pregnancy and early life. As mentioned in the last report, this project has been completed. The data is currently in the hands of Dr. James Reynolds in preparation for publication.


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