

FROM: SGHM (Chief Resident's Office)

23 May 1972

SUBJECT: Progress Report Regarding Research Project 1-15(70):
"Enzyme Diagnosis of Myocardial Infarction (MI) After
Heart Surgery"

TO: SGS/Wilford Hall USAF Medical Center
Lackland AFB, Texas 78236

1. Investigation progress on this project is not satisfactory. As mentioned in previous progress reports, lab support of the enzyme analyses was withdrawn when approximately 50 of the desired 100 patients had been investigated. Secondly, to date we have identified no electrocardiographic incidence of myocardial infarction, which was a prerequisite for the goal of this project which was to answer the question whether or not serial enzyme levels after open heart surgery could diagnose myocardial infarction.

2. It is estimated that the project is approximately 70 to 75% completed.

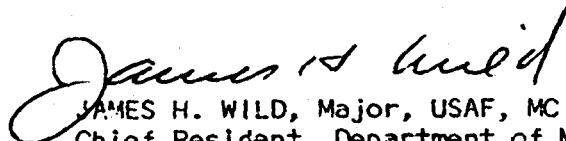
3. Special or unexpected problems are as outlined in paragraph 1. It is our intention at this point to analyze and report the data we have obtained, mainly mean and standard deviation of enzyme levels at various time periods after open heart surgery with cardiopulmonary bypass. We will not be able to make any comment on the basic question of whether enzymes are helpful in diagnoses of myocardial infarction after surgery since we had no incidence of infarcts by electrocardiographic criteria to date. A few electrocardiograms remain to be analyzed and it is possible that some infarcts will be present in this group.

4. Significant deviations from the approved protocol are as mentioned in paragraphs 1 and 3.

5. No publications have been rendered related to this work.

6. No presentations have been made related to this work.

7. Man hours expended in support of this project during the past six months have included 1 Major, AFSC 9381, 15 hours of off-duty time; and 1 Lt Col, AFSC R9386C, five hours of off-duty time.



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