

USAF School of Aerospace Medicine
Aerospace Medical Division
Air Force Systems Command
Brooks Air Force Base, Texas 78235

AIR1.941130.038c

Minutes of the USAFSAM Research Committee

21 December 1965

1. Place: Bldg. 170, Brooks AFB, Tex.
2. Time: 1000
3. Chairman: Dr. Hans G. Clamann
4. Members present: Dr. Hans G. Clamann, Chairman
Col Arthur J. Stumpf, Jr.
LtCol Fritz M. G. Holmstrom
Maj Irving Davis, Recorder

Members absent: Col Robert L. Johnson
Dr. Billy E. Welch

5. General discussions: Members again discussed the duties and obligations of the Research Committee. It was agreed that the primary stated duty of the committee was to recommend to the Commander approval (or disapproval, with reasons) on the use of human volunteers for proposed research. It was also agreed that the members had an implied obligation of responsibility to the SAM to render their scientific judgment upon each proposal in the form of suggestions to the principal investigator. It was understood that such suggestions were not necessarily binding upon the principal investigator. This subject was summed up by the chairman in his statement that the committee was there to "protect the Commander and help the investigator." Another subject discussed involved the question of how extensive the human volunteer program was within the SAM Research mission. It was believed that accurate answer to this question would probably be difficult to ascertain. It was felt, however, that human volunteers represented an additional resource of the SAM and therefore, that efficient utilization of this resource was mandatory. It was further realized that the occasion could arise when the need for human volunteers could exceed the supply. It was recognized that in such a case a prioritization of research would have to establish the assignment of human volunteers. No conclusions or recommendations were drawn on this subject except the realization of the need for reassuring the efficient utilization of the resource of human volunteers within the SAM.

6. Proposed RDT&E Protocol Reviewed:

a. Title: Human Volunteers in Support of Work Units 775505001 (Normative laboratory data and aerospace crews) and 775505003 (Analytical techniques - Research and Development).

b. Principal investigator: Captain Marion J. Stensal, Chief, Clinical Pathology Section.

c. Responsible Medical Officer: Major Harry H. Malvern, Chief, Pathology Branch.

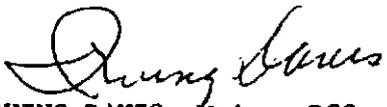
d. Technical Objectives: To develop reliable and efficient techniques in the measurement of clinical parameters in laboratory medicine with emphasis on automation, accuracy, specificity and reduction in sample size; to obtain normative data through the performance of clinical laboratory analyses on specific aerospace sub-population samples.

e. Suggestions of the committee:

(1) The glucose tolerance test will not perform adequately in parotid fluid. There are sound physiologic reasons related to membrane permeability and more important to glandular energy sources that explain the failure. There are, however, several biochemical tests that show great promise in this regard. (Suggestion provided by LtCol Shannon. Committee offers the suggestion that the principal investigator may wish to discuss this matter further with Dr. Shannon).

(2) The suggestion is offered that the procedure for mailing of the third aliquot in order to test mail handling effects upon the clinical sample may be adequately handled by a simulation device in the SAM laboratory.

f. Recommendation of the committee: The committee accepts the statements in the proposal that the levels of deuterium, tritium, acetonitrile, and propionitrile will be well below the accepted levels of toxicity. On this basis, the committee unanimously recommends approval to the Commander for the use of human volunteers on this research.


IRVING DAVIS, Major, BSC, USAF
Recorder


HANS G. CLAMANN, M.D.
Chairman

1 Atch
Ltr, SMKPC, 10 Dec 65, Request
for Volunteer Human Research
Subjects