

BUREAU OF MEDICINE AND SURGERY
RESEARCH DIVISION

RESEARCH PROPOSAL

BuMed 98 (Rev. 10/49)

PROJECT NUMBER AND TITLE (Leave number blank for new projects)

HM 007 086 - Clinical studies at the U.S. Naval Hospital, St. Albans, New York
STUDY NUMBER AND TITLE The action of a Flavinoid Compound (Vit C V P)
in conjunction with Vitamin C on Skin Erythemas caused by Radiations
from Radioactive substances.

LOCATION OF STUDY

Dept. of Dermatology, U. S. Naval Hospital
St. Albans 12, L. I. New York

HM 007 086.10

ESTIMATED DURATION OPERATIONAL REQUIREMENT NUMBER SECURITY CLASSIFICATION
(Leave blank if undetermined) UNCLASSIFIED
RO 16402 (Recommended)

SUBJECTS TO BE USED IN STUDY, IF ANY (Certain studies using human subjects require
SecNav approval - BuMed obtains clearance)

ADDITIONAL FUNDS, IF ANY, REQUIRING BUREAU
ALLOCATION TO PROJECT IN PRESENT FISCAL YEAR

PRINCIPAL INVESTIGATOR
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Reserve Consultant

~~SENSITIVE~~

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COLLABORATORS
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OBJECTIVES(S), AND EXPERIMENTAL DESIGN (continue on following sheet, if necessary)

Objective: To determine whether the Flavinoid Compound (C V P) has a
protective action against ionizing radiations applied to the skin.

Design: Patients who are receiving superficial X-Ray therapy will be
checked for erythema reactions to the roentgen rays by a test dose
(as outlined in "X-Rays & Radium in the Treatment of Diseases of the
Skin" - Mackee & Cipollaro.)

Following this determination of the erythema dose the Vitamin P com-
pound will be administered and the reaction checked to determine the
degree of diminution of the skin erythema and pigment response
produced by the Flavinoid Compound.

Note: I. Such an investigation could prove of great value to radiation
therapy, and perhaps for radiological defense.

II. The projected research can be carried out with no additional
expense to the Navy; the required drugs being available at no cost
from Dr. Boris Sokoloff, Director of Research, Southern Bio-Research
Laboratory, Florida Southern College, and the presently available
equipment of the Department of Dermatology being adequate for this work

FOLLOWING SPACES ON THIS PAGE TO BE COMPLETED BY RESEARCH DIVISION

PARENT PROGRAM:

Naval Medicine

BASIC FIELD

Therapeutics

DATE APPROVED

2 Oct 1950

BRANCH CODE

713

Use following sheet for "additional remarks" if any

01686

Encl (2)

NAV1.954295.009