

**Project Name:** Blood changes in humans following total body irradiation

**Date Started:**  
**Date Terminated:** 1947

**Institution:**  
**Funding Source(s):**

704224

**Identification:****Project Duration:**

**Principal Investigator(s):** Nicholson, J.J.; Cantril, S.T.; Jacobson, L.O.; Schwartz, S.

**Responsible Government Official(s):** *Sheldon Warren, M.D.*

**Objective(s) of Project:** To investigate changes in the blood-forming organs and the peripheral blood as an index of exposure to whole-body irradiation.

**Short Description:** Eight patients with incurable neoplasms were given single exposure to whole-body irradiation of 27-60r dosage. Three patients with chronic diseases were given fractionated whole-body irradiation totaling 100-500r. Three volunteers were given fractionated irradiation totaling 21r. Changes in peripheral blood cells were studied.

**Follow-up Data:****References:** CH-3868**Attachment(s):**

REPOSITORY DOE-FORRESTAL  
COLLECTION MARkey Files  
BOX No. 20A6  
FACTSHEETS  
FOLDER master printout listing  
(O'Hinger)

1003027