

PNL-10621-002

REPOSITORY PNL
COLLECTION Prisoner Studies
BOX No. 3156
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729520

May 26, 1967

Dr. V. P. Bond
Brookhaven National Laboratory
Upton, New York 11973

Dear Dr. Bond:

I believe you are aware of Dr. Paulsen's project to study the effects of irradiation on spermatogenesis in man. I am associated with some of the work on the neutron dosimetry aspects of Dr. Paulsen's project. I have recently become aware of your work on lens opacity induction by neutrons compared to X-rays.

I have contacted Dr. Rossi to find out more about your work and there are still some questions about extrapolation of your data to human beings. Do you feel there would be greater sensitivity, particularly neutron sensitivity, for the human lens? Also, do you have any feeling for the medical implications of irradiation of humans in regard to induction of lens opacities?

Doses of as high as about one rad will be delivered to the eye during the present project. We have measured 60 millirads to the eye for a one rad dose to the volume of interest. This is at 2.5 MeV.

I thank you in advance for your consideration on this matter.

Very truly yours,

K. L. Swinth
Research Scientist
Instrumentation Section

KLS:mkvh

cc: W E Wilson 
K L Swinth
KLS:LB

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