

May 9, 1971

Marvin L. Ballison, M.D.
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Department of Pediatrics
University of Utah
Salt Lake City, Utah 84112

Dear Dr. Ballison:

First of all, let me say that it was a pleasure to have met you last Thursday and that I'm sorry we couldn't have conversed at length. Secondly, let me apologize for the misunderstanding which arose over whether the exposure categories were in millicuries or microcuries. Allow me to state unequivocally that the categories are in microcuries, and hope that this clarifies any further misunderstanding.

In addition, I calculated the average dose in rads to the children who had any potential exposure. Assuming a 33 percent uptake by the thyroid and taking the midpoint exposure for each category, the weighted average dose for the exposed children was 20.31 rads. The highest dose anyone could have received was 233.93 rads, and nobody in the study was in this category. Four children were found to have received doses ranging from 160.65 rads to 220.5 rads, but there were no abnormalities found here. 177 children received a dose of 100 rads or more and there were six renal abnormalities found here. Again, let me apologize for the lack of clarity on my part regarding the exposure issue and hope that this correspondence rectifies the problem.

Sincerely yours,

Denise A. Hoffman
Epidemiologist

DAHoffman:peb 5/4/71

Record Note: With regard to Dr. Ballison's visit, Thursday, April 29, 1971 regarding the criteria used for the Utah Child Study calculations.

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