

715074

November 7, 1972

Dr. Howard Parker  
Dr. Charles Schmidt  
Mr. Wade Patterson  
Mr. Robert Latimer

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Gentlemen:

A previous employee, Mr. [REDACTED] (Electronic Technician), has been alerted by his physician to the possibility that his bone lesions were caused by radiation. We have the following information:

Lawrence Livermore Laboratory employment February 1956 to December 1961, at which time he had a film badge issued, but claimed he did not wear it. The patient alleged responsible parties at Livermore were "sloppy" with regard to the film badges. The physician reported that his patient's history included two spills, 1959 and 1960, involving alpha emitters. Thus far we have no record of these spills; however, Livermore is working on it. The film badge history from Livermore is negative.

Lawrence Berkeley Laboratory: This employee worked near the 184" cyclotron around gamma and neutron fields. Whether he was exposed to any alpha targets is not known to me at this time. Mr. Patterson has checked the employee's past history, and the accumulated dose for gammas is 0.375 rem with no dose for neutrons. The employee did not have a neutron film badge. An associate with whom he worked had a 2.2 rem gamma and an 0.07 rem neutron exposure during the same period.

Donner Laboratory studies: Patient had two fluorine-18 studies consisting of I.V. injection of 600 µCi on 31 March 1970 and 1 December 1970. These studies revealed increased uptake of fluorine in the right ilium and right ribs initially, and on the second study involvement of the mid-lumbar vertebrae.

The patient was under the care of Dr. James N. Morris at the University of California Medical Center for symptoms of back pain. His present physician is Dr. Howard Kline, who reported to me in a phone call 2 November 1972 that [REDACTED] myelosclerosis from bone marrow specimens. There is no clinical evidence of myelometaplasia. Based on this, Dr. Kline feels that radiation might be the etiology.

UNIVERSITY OF CALIFORNIA—(Letterhead for interdepartmental use)

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<b>DOCUMENT SOURCE</b> Lawrence Berkeley Laboratory Archives and Records Office	
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Notes	
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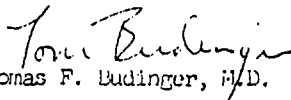
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I pleaded with Dr. Kline to withhold further opinion to the patient until we had been able to gather the appropriate data on which he could best advise his patient. We have received three slides from the pathology department at Alta Bates, which are undergoing gamma and alpha counting. These represent bone marrow from the ilium, and we might do well to proceed with urine and stool assay if the history of exposure to alpha particles at Livermore is substantiated by the records. I will await response from you before any further communication to this previous employee's physician.

The employee's wife, Mrs. [REDACTED] is a part-time employee at Lawrence Berkeley Laboratory.

Sincerely,

  
Thomas F. Dudinger, M.D.

cc Mr. W. D. Douglass

TFB:w

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