THE UNIVERSITY OF CHICAGO
CHICAGO 37 · ILLINOIS
INSTITUTE OF RADIOBIOLOGY AND BIOPHYSICS

Dec 14 '54

Dear Josh,

It was indeed very stimulating to see you and I hope I can have these shots in the arm much more frequently.

I found the reference to the effects of adenosine. It is in "The Chemistry & Physiology of the Nucleus" Supplement #2 to Experimental Cell Research 1952, Academic Press Being proceedings of Brookhaven Symposium of August 195. See "Effects of Purines & other chemotherapeutic agents on Nuclear Structure & Function" pp 279–284. by Bessel, Berger, Clarke & Weiss. On p 292 is Table 13 which is highly suggestive. He gives among other things "abnormal post-metaphases / total post metaphases" as function of time

Time	Agent	A P-M / T P-M	
2 hrs	—	1/18	
2	adenine	2/9	
2	adenosine	0/6	
2	adenylic	1/20	
24	—	8/65	
24	adenine	13/26	
24	adenosine	2/62	2/62 compared to 8/65 control
24	adenylic	2/57	
46	—	2/31	
48	adenine	16/40	2/89 compared to 2/31 control
48	adenosine	2/89	This is certainly suggestive
48	adenylic	4/121	He concluded there is no effect

since he was looking for effects of opposite sign.
Regards to Esther

Clarence