

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 ~~the~~ Experimental Cell Research 1952, Academic Press

Being proceedings of Brookhaven Symposium of August 1951.

See "Effects of Purines & other chemotherapeutic agents on Nuclear Structure & Function" pp 279-284. ~~by~~ by Bresler, Berger, Clarke & Weiss. On p 292 is Table 13 which

is highly suggestive. He gives among other things ~~abnormal~~ "abnormal post-metaphases / total post meta-phases" as function of time

Time	Agent	A P-M T P-M
2 hrs	—	
2	adenine	1/18
2	adenosine	2/9
2	adenylic	0/6
		1/20
24	—	
24	adenine	8/65
24	adenosine	13/26
24	adenylic	2/62
		2/57
48	—	
48	adenine	2/31
48	adenosine	16/40
48	adenylic	2/89
		4/21

2/62 compared to 8/65

2/89 compared to 2/31 control

This is certainly suggestive
He assumed there is no effect

since he was looking for effects of opposite sign.

Regards to Estlin

THE UNIVERSITY OF CHICAGO

CHICAGO 37, ILLINOIS

INSTITUTE OF PATHOLOGY AND BACTERIOLOGY

Carson

Dear Mr. Carson