

THE
LONG
ISLAND
JEWISH
HOSPITAL

QUEENS
HOSPITAL
CENTER
AFFILIATION

PRIVACY ACT MATERIAL REMOVED

402595

82-68 164th ST. • JAMAICA, NEW YORK 11432 • JA 6-8600

April 9, 1965

R

Dr. Wm. Siri
Donner Laboratories
University of California
Berkeley 4, California

Dear Will:

Under separate cover I am sending to you the 1.0 ml volumetric pipette which we used at ~~Ruajalein~~.

I am also sending you the tritiated water since we have no use for it.

I shall ask Bob Conard to send you the samples of plasma which he has in a frozen state at Brookhaven.

The data on the six subjects to whom we administered the tritiated water and on whom we performed the Cr⁵¹ blood volume determinations are as follows:

Age	32	Height	64"	Weight	115 lbs.
"	39	"	64"	"	134 lbs.
"	41	"	65"	"	145 lbs.
"	30	"	66½"	"	132 lbs.
"	56	"	67½"	"	148 lbs.
"	39	"	72	"	160 lbs.

Your sly innuendos about my rest cure in the Marshall Islands was duly noted. Believe me, it was a strain to be there because we ran out of bourbon on the last day and you know how I am when I don't get my morning nip.

Seriously however, we had a very successful trip and picked up some more thyroid nodules, and noted retardation in growth in some of the children who were exposed eleven years ago when they were between six months and one year of age.

I am planning to attend the Nuclear Medicine meeting in Florida in June and trust you will be able to be there. I think it would be nice if you brought Jean along. You know how I am (or reported to be) with my friends' wives.

Please let me know when you have completed the calculations on these sera.

With kindest regards,

Sincerely yours,

THE LONG ISLAND JEWISH HOSPITAL
QUEENS HOSPITAL CENTER AFFILIATION


Leo M. Meyer M.D.
Hematologist-in-charge

LMM:d

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ASSAY OF TRITIATED PLASMA

Marshallese Subjects
April, 1965

NAME	BODY WEIGHT (Kg.)	TBW (l.)	TBW (Kg.)	%TBW	*% FAT
	65.91	38.92	33.41	50.69	29.6
	67.27	33.77	33.26	49.44	31.3
	60.00	30.70	30.24	50.40	30.0
	60.91	32.14	31.66	51.98	27.8
	52.27	27.82	27.40	52.42	27.2
	72.73	42.81	42.17	57.98	19.5

$$*\% \text{ FAT} = 100 - \left(\frac{\% \text{TBW}}{0.72} \right)$$

W.E. Siri
Donner Laboratory
Univ. California
Berkeley, Calif.

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HOLE Sample Vol. Vol. 15 Scpm Tcprn Tcorr T-S S-b S-b_{corr} ~~T-S~~/
POS. S-b_{cut} TBWL

0 No STD

1	1.0	0.1966	2614	10.048	10671	8057	2577	2613	3.0834	38.92
2	2.0	↓	4411	9832	10343	5932	4374	4435	1.3375	33.77
3	1.0	↓	3285	10634	11293	8008	3248	3293	2.4318	30.70
4	2.0		4659	10101	10626	5967	4622	4687	1.2731	32.14
5	1.0		3788	11460	12171	8383	3761	3804	2.2037	27.82
6	2.0		3535	9078	9550	6015	3498	3547	1.6958	42.81

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Name	Body Weight	TBW (Kg)	%TBW	$1 - \frac{\%TBW}{95} = n$	%FAT
	65.91 Kg	33.41	50.69	0.72	31 29.6
	67.27	33.26	49.44		32 31.3
	60.00	30.24	50.40		31 30.0
	60.91	31.66	51.98		29 27.8
	52.27	27.40	52.42		28 27.2
	72.73	42.17	57.98		21 19.5

