

Dr. Meyer

402605

SOUTH NASSAU COMMUNITIES HOSPITAL

2445 OCEANSIDE ROAD
OCEANSIDE, NEW YORK

March 29, 1963

R
Marshall - every thing but red cells
serum = offer clot but tall cells removed

Mrs. Rosemary Hughes
Donner Laboratories
University of California
Berkeley 4, California.

Dear Mrs. Hughes:

Under separate cover I am sending to you the 1.0 ml volumetric pipette which I used for the individual doses of the Marshallese people on whom total body water determinations were made. You will of course note that the pipette is broken but this was done after the completion of the experiment. The same pipette was used for each of the patients. The sera, preserved with thymol, will be sent to you by Dr. Conard early next week. He will also send you the height and weight of each of the patients. Will you please send me the results after you have completed counting the samples. I think you should also know that many of these people received Cr 51 at the same time as the tritiated water.

I shall need from you the appropriate formulae for calculating blood volumes in relation to lean body mass. I shall of course send you our blood volume data.

What is the news from Will? We heard on the radio that a member of the party was lost in an avalanche and that a Nepalese woman was severely burned and help was requested.

With kindest personal regards, I remain,

Sincerely yours,

Leo Meyer
Leo M. Meyer, M.D.

LMM:a

mls / kg body wt

see -> Hand book of Biol. (Hemat.) data

Blood vol
Water vol
6 -> 7%

FIG. 7421

red cell label
with
lean body wt

#	Age	Height	Weight	Kg Lbs.	Sex
873	44	69"	135	61.36	Male
938	24	56"	88	40.00	Female
882	29	63"	120 $\frac{1}{2}$	54.77	Male
838	30	64"	145 $\frac{1}{2}$	66.13	Male
932	28	57 $\frac{1}{2}$ "	102	46.3	Female
881	30	65"	151	68.63	Male
1043	28	58"	92	41.81	Female
928	50	62"	126	57.27	Female
1501	30	64"	147	66.81	Male
916	39	58 $\frac{1}{2}$ "	140	63.63	Female
959	14	59 $\frac{1}{2}$ "	132	60.00	Female
Jeton	30	65"	139	63.18	Male
836	30	64 $\frac{1}{2}$ "	124	56.36	Male
841	30	64 $\frac{1}{2}$ "	147	66.81	Female
885	23	64 $\frac{1}{2}$ "	136	61.81	Male
942	48	58 $\frac{1}{2}$ "	127	57.72	Female
895	33	59 $\frac{1}{2}$ "	123	55.90	Female
1007	52	64 $\frac{1}{2}$ "	157	71.36	Male
832	24	58"	102	46.36	Female
822	16	63"	120	54.54	Male
960	11	59"	85	38.63	Female

Mrs Rosemary Hughes -

These are the heights, weights, ages
and sexes of the Marshallese.

Have you any news yet?

How about the references re: ~~lean~~ body
mass to blood volume. Les May

Fat

learn today

H_2O

$CV \text{ SI} = \text{red cell vol}$

B. Vol = red cell vol

Hum