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FOLDER NAME	Van Dyke, Donald	pg 1/1
NOTES	FE-52 TOTAL BODY MARROW DIST. F-18 BLOOD FLOW STUDIES	3/29/68
FOUND BY/DATE FOUND	KAREN HOLMES 10/25/94	

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UNIVERSITY OF CALIFORNIA

March 29, 1968

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LABORATORY  
 UNIVERSITY OF CALIFORNIA 94720  
 Dr. Donald Van Dyke Jones  
 Asst. Director  
 Department of Laboratory  
 Medicine, University of California  
 Berkeley, California

Dear Dr. Jones,  
 A visitor to our laboratory would find us actively engaged in the  
 studies related to marrow function and erythropoiesis:  
 1) Total body marrow distribution studies in animals and man using  
 the scintillation camera and the Mark II whole body scanner. The  
 erythropoietic marrow can be clearly visualized for both experimental and  
 diagnostic purposes using Fe<sup>52</sup> and the scintillation camera in the positron  
 mode or the Mark II scanner. The reticuloendothelial marrow can be  
 visualized using Tc<sup>99m</sup>-sulfur colloid.

- 2) Importance of bone blood flow in marrow function. Distribution of  
 blood flow in the skeleton can be demonstrated using F<sup>18</sup> and the  
 positron scintillation camera. The effect on marrow function of disease  
 states and experimental procedures which result in altered bone blood  
 flow are being studied.
- 3) Factors influencing marrow regeneration following surgical extirpation.
- 4) Collection, preparation, assay and standardization of erythropoietin  
 in serum and urine.

We would welcome the presence of well trained serious students of  
 erythropoiesis who wish to join us in these studies.

Sincerely,



Donald VanDyke, M.D.

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