February 3, 1942

Dear Race,

Thanks for your letter. I think you are right that, presumably, no estimate of gene frequency can yet be made, and I agree with you entirely in treating your group 2 as if group 1.

If of Acholuric patients the fraction p have both parents normal, and q have at least one parent Acholuric (nearly all being where one parent only) then your cases, with both parents have been examined should, of course, give the true ratio p:q; but where only one parent has been examined, if this one were chosen without guidance from symptoms, the proportion of normal could be p + ½q : ½q affected. One could, therefore, make a subsidiary estimation, adding a trifle to the total information by bringing in such families. I imagine they are worth little from this point of view, and if there is any doubt as to randomness of choice, they are certainly better omitted altogether.

Yours sincerely,