Drs. Lim and Feldman reply

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*The Journal of Rheumatology* is a monthly international serial edited by Earl D. Silverman featuring research articles on clinical subjects from scientists working in rheumatology and related fields.
Drs. Lim and Feldman reply

To the Editor:

We thank Drs. Broder and Putterman for their input¹. We were invited to kick off a new series that will discuss issues in study designs in The Journal of Rheumatology². In this series, the editor assigns a paper to be published within the same issue to help illustrate various concepts of study design pertinent to the kind of study being discussed, e.g., prognosis, trial.

We are glad that Drs. Broder and Putterman concurred with many points in our discussion on study design. Drs. Broder and Putterman stated that their study was not one of prognosis because they did not “imply a directional causal relationship between a predictor and an outcome.” Altman had stated that prognosis studies include clinical studies of variables predictive of future events³. As Hemingway and we have noted, several definitions of prognosis are possible⁴. Another version simply refers to prognosis as the relationship between predictor and outcome in defined populations of people with disease⁴. Because Drs. Broder and Putterman’s article sought to study the effect of hydroxychloroquine on the development of antiphospholipid antibodies, we considered their study to be under the umbrella of prognosis studies. Causal factors probably make the strongest prognostic factors, but prognostic factors need not be causal; this is not surprising given that disease outcome is often the result of interactions of the host, the disease, and the environment⁴.

We hope that our reports will help design other robust future studies to answer important questions of interest to clinicians and patients²-⁵.

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