To the Editor:

We have read with great interest the letter of Verhoeven, et al,1 referring to our recent publication on the diagnostic value of optical spectral transmission (OST) in rheumatoid arthritis (RA).2 In our work we had described for the first time, to our knowledge, that OST values could be influenced not only by disease-associated factors (i.e., inflammatory activity) but also by patient-associated characteristics, such as sex, BMI, and age.2 Moreover, we showed that patients with RA had higher OST values than controls and that OST was associated with clinical, ultrasonographic, and laboratory disease activity markers.2

Subsequently, Verhoeven, et al also examined associations between patient-related characteristics and OST values and found, among others, higher OST values in male controls (and probably RA patients), as well as in study subjects with larger or more voluminous hands.1 We are pleased to note that these results are in line with our recent findings and constitute a further step toward a better understanding of this new and exciting technology. We intend to conduct further studies, also in cooperation with other centers performing research on OST, in order to examine thoroughly the real effects of these and further patient characteristics (i.e., BMI, age, osteoarthritis). In doing so, we aim to contribute to an improvement of the diagnostic value of OST. As stated in our manuscript, we believe that valid interpretation of OST results presupposes consideration of all possible confounding patient- and disease-associated factors.2

Finally, we agree with the potential role of OST in the follow-up examinations of patients with inflammatory arthritis. In fact, the first results, to our knowledge, on the ability of OST to detect changes of inflammatory activity caused by antiinflammatory therapy have been recently presented by our group.3 Completion of these examinations, which also had been partially postponed due to the pandemic, and communication of the final results are currently ongoing.

REFERENCES