To the Editor:

We thank Bachmeyer, *et al*¹ for their views on our recent article² on mycophenolate mofetil (MMF) in refractory nonrenal manifestations of systemic lupus erythematosus (SLE). Concerning their observations on the definition of skin lesions, we have clearly indicated in the Materials and Methods section that the main indication for MMF was retrieved from the respective Systemic Lupus Erythematosus Disease Activity Index 2000 (SLEDAI-2K) element that was present at that particular date. The cutaneous variable of this index is defined in the SLEDAI-2K glossary as inflammatory type rash and includes acute, subacute, or chronic types of cutaneous lupus erythematosus (CLE). Because SLEDAI-2K was not designed to identify fluctuating activity within a particular organ system, we only reported the patients who achieved complete resolution by the end of 6 and 12 months, and not those who had a partial response. The Cutaneous Lupus Erythematosus Disease Area and Severity Index (CLASI), mainly used in randomized clinical trials, was not routinely documented in our cohort; hence, we could not provide reliable data on the evolution of such lesions (and thus, they were not reported in our article). Nevertheless, we agree that cutaneous lupus is highly diverse in clinical presentation and consequently in pathogenesis, as we mention in the Discussion section.

We also agree that hydroxychloroquine (HCQ) is the cornerstone of therapy, not only for CLE, but also for virtually all patients with lupus in the absence of specific contraindications. However, the statement that HCQ blood concentration should be monitored in daily practice to guide therapy should be treated with skepticism. Apart from the limited availability of the assay, a rather wide concentration range (208–3316 ng/ml, high-performance liquid chromatography) was recently reported in 509 patients treated with stable doses of HCQ (400 mg/day)³. In addition, there was no difference with regard to their global disease activity while patients with low HCQ concentration were taking corticosteroids significantly less frequently. Further, the authors reported a median HCQ concentration of 917 ng/ml upon which they based the categorization of their patients to low and high concentration groups. Another recent study reported that only 12% of 276 patients achieved therapeutic levels (defined as > 500 ng/ml, mass spectrometry) whereas 77% of the patients were in the subtherapeutic range (10–500 ng/ml)⁴. There was no difference in new disease flares, time-adjusted disease activity, and new organ damage between patients with extremely low (< 10 ng/ml), subtherapeutic, or therapeutic HCQ concentration after a followup of 3 years. In the quoted study of Chasset, *et al*, an increase of HCQ dose to 600–800 mg/day in 32 patients (to achieve a serum concentration > 750 ng/ml) led to 20% improvement in the CLASI after 3–6 months⁵. Among 18 patients with sustained response (taking a retinal-toxic dose of 9.2 mg/kg for a median of 16 mos), 11 relapsed after HCQ was decreased to the usual 400 mg/day. The discrepancies concerning HCQ blood concentration come as no surprise because the drug has long and variable plasma half-life (40–60 days) and a high volume of distribution (44,000 l)⁶; it is not known whether tissue-deposited drug is still biologically active or can be released into circulation under certain circumstances.

Concerning the comment of Bachmeyer, *et al*¹ on the low level of antimalarial usage (80%) in our cohort, we state that similar levels have been reported in other large registries such as the RELESSER group with 83% in 4024 patients⁷, while lower numbers were described in inception cohorts, such as the Systemic Lupus International Collaborating Clinics cohort, with 67% in 1722 patients⁸. Ocular and gastrointestinal toxicity along with intolerance in a certain number of patients may account for this.

According to our results, MMF, along with standard therapy, can benefit a considerable proportion of patients with inflammatory CLE. Other studies, already quoted in the Discussion, yielded promising results in patients with antimalarial-resistant discoid lupus erythematosus who were also resistant to other immunosuppressives. Thalidomide, retinoids, and dapsone are used in refractory cases, albeit with minimal evidence derived from controlled trials⁹.

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