

# 2008–2018: a decade of recommendations for systemic lupus erythematosus

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Recommendations represent a popular way of integrating evidence-based medicine to clinical practice. These systematically developed statements can assist practitioner and patient decisions about appropriate healthcare, facilitate teaching of students and physicians, and educate patients. In 2008, the first European League Against Rheumatism (EULAR) recommendations for the management of general systemic lupus erythematosus (SLE) were published in the *Annals of the Rheumatic Diseases* (ARD).<sup>1</sup> These were based on a combination of evidence and expert opinion, and followed the standard EULAR operating procedures. The effort involved experts on SLE, skilled methodologists and meticulous fellows who undertook an exhaustive systematic literature research (SLR). In this EULAR-endorsed project, a panel of European lupus experts was first updated on current literature and issues on SLE, and then developed and voted on the questions to be included in the SLR in an open and rigorous process. During the second phase, the results of the SLR were presented to the panel which then formulated, graded and voted on the recommendations. Recommendations covered the diagnosis, monitoring and management of general SLE with a few statements on neuropsychiatric and renal disease. Other EULAR panels also prepared recommendations for clinical trials in SLE,<sup>2,3</sup> as well as more specific recommendations on the diagnosis and management of neuropsychiatric SLE<sup>4</sup> and lupus nephritis,<sup>5</sup> the latter in collaboration with the European Renal Association-European Dialysis Transplantation Association.

Subsequently, in 2012, the American College of Rheumatology developed guidelines for screening, treatment and

management of lupus nephritis.<sup>6</sup> In the same year, the Kidney Disease Improving Global Outcomes—developed guidelines for the management of lupus nephritis.<sup>7</sup> All three sets of lupus nephritis guidelines were published in the same year and were based on the same body of evidence. As expected, their main statements agreed, but there were also notable differences reflecting the focus and composition of each group (reviewed in Wilhelmus *et al*).<sup>8</sup>

More recently, the British Society for Rheumatology (BSR) also published guidelines for the diagnosis, monitoring and management of SLE in adults.<sup>9</sup> Notably, in the BSR guidelines, lupus is divided into mild, moderate and severe disease with treatment recommendations adjusted accordingly. EULAR has also recently updated its recommendations, and these are currently under review.

This 'flurry' of recommendations clearly demonstrates a perceived need in the community to avoid fragmentation and optimise the management of SLE, a complex disease where multiple medical specialties are often involved in the care of patients, by establishing an integrated approach based on widely accepted principles and evidence-based recommendations. Crucial elements in developing credible recommendations include (1) a clear understanding of the target group to be following these recommendations (ie, generalists vs specialists vs lupus experts), (2) the quality of expertise and the inclusiveness of experts with differing views, (3) the inclusion of health professionals and patients, and (4) the rigorosity of the SLR methodology and its assessment. It is crucial that all interested parties and stakeholders such as physicians, patients, government bodies, insurance agencies and third payers realise that recommendations are developed for 'group of patients' to improve homogeneity of care, and they cannot limit physicians' freedom or substitute for their clinical judgement in treating 'individual' patients. In simple terms, recommendations 'are not the law' rather an effort to provide general

guidance to physicians treating patients. To use the airplane analogue, recommendations are the 'manual of procedures' not to substitute for the pilot's experience and judgement. An important measure of success for each set of recommendations is reaching the target group of physicians and their compliance. Accordingly, a limited number of simple, crystal clear, concise and unequivocal statements in an eye-friendly and user-friendly format (eg, using diagrams and algorithms) are of paramount importance.

In ARD, a group of leading lupus experts from the Latin American Group for the Study of Lupus (Grupo Latinoamericano De Estudio del Lupus)—Pan-American League of Associations of Rheumatology presents their own recommendations for the management of SLE.<sup>10</sup> The authors argue that although guidelines for SLE treatment do exist, there is scarce evidence to support specific therapies for Latin American patients. Accordingly, in their work, the authors have also considered the impact of racial/ethnic background and socioeconomic status on lupus outcomes and treatment response. Medication variables such as cost and availability were also considered since they may affect adherence and are relevant in decision-making. The recommendations are presented by organ involved with the following format: (1) interventions considered for evaluation; (2) benefits and harms of treatments; (3) recommendation statement with grading of evidence. Although SLE manifestations tend to occur simultaneously in more than one organ, in most cases, treatment directed to the more severe manifestation(s) is also effective for the less severe disease manifestations.

Undoubtedly, regional efforts to develop treatment recommendations could facilitate the dissemination and implementation in local communities. Yet, there is little evidence to support Latin American-specific lupus therapies and interventions. In our opinion, these recommendations represent a regional effort to develop guidelines with the potential of improved penetration to the community. The presented evidence (found in online supplementary material) is—in our judgement—biased towards (the few) randomised controlled trials—as opposed to observational studies—in SLE, which is a limitation since valuable real-life data might have been ignored. Experience has shown that physicians using recommendations also seek for practical information such as working definitions for treatment response (or failure), or guidance on the dosage of drugs (eg, corticosteroids), or

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# Decade Of Lupus

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