Dear Editor:

We read in interest Espinoza and García-Valladares’s article entitled ‘Of Bugs and Joints’. We agree that the epidemiology of reactive arthritis (ReA) is difficult to determine, especially in the absence of any internationally validated diagnostic criteria or guidelines. Whilst the clinical features of a ReA secondary to a sexually transmitted infection (STI) are indistinguishable from those caused by an enteric organism, the management could potentially be different. As was discussed, there is evidence that chlamydia induced ReA may benefit from a prolonged course of combination antibiotics.

We conducted an audit to establish whether patients with suspected ReA were screened for STIs. The first clinic letter of all new referrals <30 years of age to both the general rheumatology and the early arthritis clinics in the preceding 6 months was reviewed. Out of 244 referrals, 42 patients were considered to potentially have ReA and of these only 24% (10/42) were screened for an STI (all negative).

It is not reassuring that no STIs were detected because over three quarters of patients were not tested. STIs are common in the young sexually active population, with chlamydia affecting 5–10% of those under 24 years, and in females especially it can be completely asymptomatic. If a patient denies any ‘promiscuous activities’ or appears to be in a stable relationship should they still be screened?

References


Emily Pease∗ Benedict Pease Colin Pease
Leeds Teaching Hospitals NHS Trust, Yorkshire, United Kingdom

Corresponding author.
E-mail address: emilypease@doctors.org.uk (E. Pease).


Do rheumatologists think about sex?

¿Piensan los reumatólogos en el sexo?

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Cutaneous lupus erythematosus induced by the treatment with tumor necrosis factor antagonists

Lupus eritematoso cutáneo inducido por la terapia biológica con antagonistas del factor de necrosis tumoral

Dear Editor,

We have carefully read the excellent review by Hernández et al., with regard to skin lesions that occur during treatment with antagonist of tumor necrosis factor (anti-TNF), and we would like to make some additional comments with respect to cutaneous lupus erythematosus (LE) induced by such drugs.

As the authors report, the development of autoantibodies is a frequent event in patients receiving anti-TNF drugs, with an estimated prevalence of ANA positivity ranging from 25% to 80% and anti-DNA ranging from 5% to 15%. However, as they state, the appearance of LE is quite rare. Postmarketing studies estimate the incidence of induced LE at 0.19%–0.22% for infliximab, 0.18% for etanercept and 0.10% for adalimumab. The slightly higher frequency of LE induced with infliximab and etanercept may simply reflect more years of exposure of patients compared with adalimumab. In connection with more recently introduced anti-TNF agents, certolizumab and golimumab, a case of induced LE has been described with the first and one subacute cutaneous LE exacerbation has been related to the second. Considering the high prevalence of autoantibodies and the large number of patients treated, one would expect a higher frequency of induced LE. One probable explanation for this discrepancy is that the type of autoimmune response induced by anti-TNF agents is mainly restricted to nonpathogenic IgM or IgA isotypes, and although the main reactivity is anti-DNA, it is rare to develop other LE related antibodies, such as anti-ENA or hypocomplementemia. In addition, the titles of anti-DNA IgM tend to fluctuate over time and disappear quickly after removal of the drug.

Identified risk factors for the development of LE during anti-TNF treatment are advanced age and the presence of increased baseline anti-DNA, but not of ANA. Another factor that could influence this is the underlying disease. Although the production of autoantibodies is similar among the different diseases treated with these agents, most cases have been described in RA patients, as evidenced by a review of Costa et al., who found that of 33 published cases of induced LE due to anti-TNF drugs, 76% of patients had RA. The frequency with which these cases appear in the literature contrasts to those described in RA clinical trials with long-term follow-up, so it should be noted that these cases are generally based on retrospective observations that often lack serological data prior to starting anti-TNF therapy and there may be some overlap of RA and LE before treatment.

LE cases induced by anti-TNF comply with 4 or more ACR classification criteria in 40%, 3 criteria in 21%, and 2 or less in 39%. Up to 67% of cases have cutaneous manifestations, corresponding generally to maculopapular, pruritic erythematous rash affecting photosensitive areas, as mentioned by the authors, however, the spectrum is much broader. Both LE-specific lesions (cutaneous acute, subacute and discoid), and other nonspecific findings including urticarial lesions, scarring, alopecia and purpura may occur. Within difficult to classify cutaneous LE lesions were identified. This increase indicates that with clear guidance, clinicians are more likely to carry out an STI screen, and supports the need for a national ReA guidance.

As the authors described so well, the relationship between ‘bugs and joints’ is clear, however, the underlying STI may not be obvious. SARA may well be an underestimated diagnosis due to the absence of testing, not the absence of infection. Clinicians must view STI screening as ‘routine’, if only those who are perceived to be at high risk for infection are tested, then infection will be missed.

References


Emily Pease∗ Benedict Pease Colin Pease
Leeds Teaching Hospitals NHS Trust, Yorkshire, United Kingdom

Corresponding author.
E-mail address: emilypease@doctors.org.uk (E. Pease).

In summary, although induced LE is a rare adverse event seen during anti-TNF treatment, it is important to have in mind because of its varied clinical expression, especially on the skin, and to identify those cases that actually are due to this entity, given the trend that may lead to overdiagnosis.

References


Walter Alberto Sifuentes Giraldo,∗ María Ahijón Lana, Mónica Vázquez Díaz

Servicio de Reumatología, Hospital Universitario Ramón y Cajal, Madrid, Spain

∗ Corresponding author.
E-mail address: albertosifuentesg@gmail.com (W.A. Sifuentes Giraldo).