Sir, We read with interest the article by Clewes et al. about the prophylactic use of intravenous cyclophosphamide in the management of the ocular conditions of two rheumatoid arthritis patients. The authors used the term ‘peripheral ulcerative keratitis’ or PUK in describing the ocular conditions. However, from the clinical information provided, this blinding ocular condition occurred as a complication after orbital surgery [1]. We believe that instead of PUK, the authors were actually reporting cases of surgically induced necrotizing sclerokeratitis (SINS), which is an ocular condition with totally different manifestation, pathogenesis, treatment strategy and prognosis [2–5].

Clinically, PUK refers to a peripheral corneal lesion located in the vicinity of, or straddling across, the corneal–scleral junction, whereas SINS represents a frank scleral inflammation sparing the cornea [2, 3, 5]. SINS usually does not invade the limbus until an advanced stage of disease [2]. Pathogenetically speaking, surgical manipulation or trauma is the sine qua non for the development of SINS as surgical exposure of formerly immune-privileged tissue antigens to the immune system is thought to be the mechanism [2, 3]. Connective tissue disease is not a prerequisite for SINS because only 63% of SINS patients have underlying medical conditions [2]. Moreover, SINS shows no relationship with the activity of the systemic connective tissue disease [2]. Conversely, PUK occurs as a result of vasculitic involvement of the limbal or corneal–scleral junction vessels [5]. This is usually part of the manifestation of underlying systemic vasculitis and may herald the course of connective tissue disease carries a grave prognosis, a potentially lethal flare-up [5]. Therefore, the onset of PUK in the course of connective tissue disease carries a grave prognosis, not only for the eye but also for general well-being [5]. It necessitates prompt immunosuppressive therapy with corticosteroids and cytotoxic agents in order to save life [5]. On the other hand, concerning the management of SINS, there is an array of treatment plans, including non-steroidal anti-inflammatory agents, immunosuppressive treatment and the local surgical replacement of damaged ocular tissue [2]. Irrespective of the form of therapy, the goal of treatment in SINS, unlike that of PUK, is to control ocular tissue destruction, salvage vision and maintain the integrity of the globe [2].

The interchangeable use of PUK and SINS is extremely unusual and may suffer from the pitfall of inaccuracy. The authors have declared no conflicts of interest.

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Red flags need more evaluation

Sir, The recent review on the role of physiotherapy in the management of non-specific back pain and neck pain [1] failed to highlight a large deficit in the evidence-base of low back pain management. Whilst the review draws upon high-quality evidence to make recommendations for treatment, this was not the case when recommendations were made on the use of ‘red flags’ to screen for serious pathology. Practitioners were encouraged to use the list of red flags provided in Table 1 to screen for serious pathology. Readers were advised that if any red flag is found, a prompt referral to a specialist for further investigation needs to be arranged. However, readers should be advised against uncritical acceptance of this recommendation.

It seems to have gone largely unnoticed that there is little or no high-quality evidence on the diagnostic accuracy of red flags and that on the limited evidence available, some red flags seem to have little diagnostic power. In our view, this situation has probably arisen because the guidelines that have promoted the red flags (e.g. the recent European Guidelines [2]) have relied upon secondary citation [3] or referred to studies [4] which did not seek to assess the diagnostic accuracy of the features. The dangers of secondary referencing are well-known and are particularly evident here, with perhaps the most important part of the clinical examination becoming orthodoxy without any supporting data. As an example, Moffett and McLean’s review [1] and many other guidelines promote thoracic pain as a red flag; however, the only study that evaluated this clinical feature reported a positive likelihood ratio of 1.1 and a negative likelihood ratio of 1.0, indicating that this feature has no value in screening for serious spinal pathology [5].

Leaving aside the uncertainty about the diagnostic accuracy of red flags, Moffett and McLean’s [1] suggested approach to diagnostic triage may not be feasible in many health care settings. Moffett and McLean [1] advocate that if any of the 12 red flags in Table 1 are present the patient should be referred to a specialist. Deyo and Diehl [5] showed that requiring any of the four red flags to be positive (age > 50, or a history of cancer, or unexplained weight loss, or failure of conservative therapy) detected all cases of cancer; however, there was a false alarm rate of 40%. Based upon