Efficacy and safety of tocilizumab in patients We have read with interest the article by Nakaoka and colleagues¹ on the efficacy and safety of tocilizumab in patients with refractory Takayasu arteritis. The authors have presented a randomised controlled trial in which they suggest a preference for tocilizumab over placebo for time to relapse of Takayasu Korea arteritis, without any new safety concerns. We would like to First, Takayasu arteritis and giant cell arteritis share some similarities in terms of their clinical, radiological and histological presentations, representing a spectrum of the same disease.² Tocilizumab, which is used to treat giant cell arteritis, demonstrates an impressive glucocorticoid-sparing effect,³ which is important because relapses are common during steroid tapering, and it often necessitates the administration of high cumulative doses of glucocorticoids, which could cause significant toxicity.⁴ expressly granted. Treatment for Takayasu arteritis is still challenging because glucocorticoids are associated with significant adverse effects. Thus, the use of tocilizumab as a glucocorticoid-sparing agent is appealing. In the context that Takayasu arteritis and giant cell arteritis may be different phenotypes of a single disease, the steroid-tapering effect of tocilizumab is expected in the treatment for Takayasu arteritis. However, this study did not examine the effect of tocilizumab on the tapering of glucocorticoid agents in patients with Takayasu arteritis, because the study was designed

with refractory Takayasu arteritis

draw attention to a few points in this regard.

with mandatory glucocorticoid tapering.¹

Second, biologic agents are generally used as second-line treat-

ment. Tocilizumab is usually used in patients with large-vessel

vasculitis refractory to immunosuppressants, because of its high cost and potential toxicity. Methotrexate (MTX) and mycophe-

nolate mofetil (MMF) are effective means of inducing remission

and minimising glucocorticoid therapy and toxicity in Takayasu

arteritis.⁵ MTX and MMF lower the risk of relapse and reduce

exposure to glucocorticoids; thus, MTX and MMF are thera-

glucocorticoid-related adverse effects. However, the efficacy and

safety of tocilizumab compared with these immunosuppressive

drugs in patients with Takayasu arteritis were not investigated.

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Currently, there are no data to show the superiority of tocilizumab over immunosuppressants. Further studies are warranted to determine the benefits of tocilizumab in terms of its glucocorticoid-sparing effect, remission and reduction in relapse, compared with MTX or MMF therapy.

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peutic options in addition to the standard-of-care treatment with glucocorticoids for Takayasu arteritis. MTX and MMF might be particularly useful in treating patients at high risk of developing

