Reviewer’s report

Title: Aortitis, glaucoma, thyreoidits and neuropathy after long-term use of an intrauterine device: Case report

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Reviewer: Shriprakash Kalantri

Reviewer’s report:

In this case report, the authors describe a 63-year-old woman who developed aortitis –requiring aortic root repair- and associated with glaucoma, thyroiditis, pericarditis, pleural effusion and neuropathy. The authors argue that an intrauterine device inserted 27 years ago led to inflammation of aorta, pleura, and pericardium.

The authors argued that they had ruled out non-infectious causes of aortitis such as tuberculosis, syphilis, giant cell arteritis and Takayasu’s disease by appropriate laboratory tests. The patient also tested negative for connective tissue disorders. They propose an immunological mechanism for the multi-organ inflammation and suggest that response to steroid supports their hypothesis.

Major revision

The authors try to associate intrauterine device with multi-organ inflammation, an association not previously described. Their arguments lack scientific rigor and amount to speculation.

Overall, the manuscript is verbose, poorly written, and lacks flow. It needs to be pruned to half its present size. Twenty references for a case report are too much, as are several tables – a luxury in a case report. Finally, the authors should correct several grammar and syntax errors.

The authors need to revise the manuscript sentence by sentence.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Not suitable for publication unless extensively edited

Declaration of competing interests:

I declare that I have no competing interests.