Reviewer’s report

Title: Primary cardiac synovial sarcoma that was continuous with the mitral valve caused severe thrombocytopenia: a case report

Version: 0 Date: 17 Dec 2018

Reviewer: Nicholas Cruden

Reviewer's report:

The authors present a case report of an inatracardiac malignancy associated with thrombocytopenia that resolved on tumour excision. Primary intracardiac tumours are rare. Associated thrombocytopenia has been reported on occasion.

The article is generally well written but the grammar and language requires some correction.

Specific comments

1) Please clarify how the patient presented. my reading of this was through investigation for CVA - CT Confirmed CVA and investigations for a cardiac source of embolus revealed an intra-cardiac mass. I am not familiar with the term "upper limb localising disorder". Please clarify.

2) The message of case report hinges on exclusion of alternative causes of thrombocytopenia. I think it would be worth describing the investigations undertaken for alternative causes of thrombocytopenia in a little more detail.

   - Was a blood film performed. Did this demonstrate any abnormalities of platelets, WCC or RBC?
   - Bone marrow. Again what exactly did this show esp re megakaryocytes?
   - Was an auto-antibody screen performed (e.g. for antiphospholipid, sle etc) and what were results?
   - Had the patient received treatment with heparin. If so had HIT been excluded?

3) The patient appears to have developed a recurrence of cardiac tumour 6 months later. Was this associated with recurrent thrombocytopenia?

4) The authors suggest that treatment with chemo/adjuvant therapy may have prevented recurrence. I am not familiar with evidence for this with PCSS. It would be helpful to discuss this in more detail.
**Level of interest**
Please indicate how interesting you found the manuscript:

An article of limited interest

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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