Reviewer’s report
Title: Calcification and abscess formation around the catheter tip of a central venous access port: a case report

Version: 0 Date: 26 Oct 2019

Reviewer: Navaneethakrishnan Suganthan

Reviewer's report:

1. Do you believe the case report is authentic?

Yes

2. Do you have any ethical concerns? Please consider if local Institutional Review Board approval or ethical approval was obtained (if appropriate) and if the patient (or their parent or guardian in the case of children under 18) gave written, informed consent to publish this case and any accompanying images. A statement to this effect should appear in the manuscript.

Comments: No

3. Does the Introduction explain the relevance of the case to the medical literature?

Not enough, need to rewrite with few references

4. Does the article report the following information? Where information is missing, please specify.

a. The relevant patient information, including:

- De-identified demographic information (age, gender, ethnicity)
- Main symptoms of the patient
- Fever pattern - is it intermittent/remittent/continuous

Patient had normal temperature on arrival even though it was mentioned that patient is having persistent fever

- Medical, family and psychosocial history - Not enough

- Relevant past interventions and their outcomes - Reasonable enough
b. The relevant physical examination findings
Not adequate, need to include BMI and summary of the clinical examination findings of each systems

c. Important dates and times in this case (if appropriate, organized as a timeline via a figure or table); if specific dates could lead to patient identification, consider including time relevant to initial presentation, i.e. initial presentation at T = 0, follow up at T = 1 month.

d. Diagnostic assessments, including:
- Diagnostic methods major deficit- it is not very clear about
  a- calcification - area of calcification- different part of manuscript describes differently it is important to clarify such as vascular calcification, calcification along the Cather tip, calcification of abscess/wall or combination of the above

  Specify the deep neck abscess ? location / any abscess adjutant to vein/extratra-vascular extension and etc

  It was mentioned CT abdomen (two places)- Is it CT chest/abdomen ?

  - Challenges (e.g., financial, language/cultural)
    Yes

  - Reasoning and prognostic characteristics (e.g., staging), where applicable

e. Types and mechanism of intervention

  Mention about - how did you administer antibiotics same Cather/ separate line
  What about feeding during the hospital stay - did you use same catheter, separate line/ NG/PEG

f. A summary of the clinical course of all follow-up visits

  Comments:

  5. Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?
  Comments:

  relevant discussion is not enough,
6. Is the anonymity of the patient protected? Please consider any identifying information in images such as facial features or nametags, whether the patient is named etc. If not, please detail below.
Yes

7. Is the Abstract representative of the case presented?
Comments: Reason for calcification is not rationally discussed. (include mechanical irritation, infection, thrombus formation, etc)

8. Does the case represent a useful contribution to the medical literature?
Comments: Yes

9. Additional comments for the author(s)?
It is a quite interesting complication of a long term Cather. Following areas should be improved
1- language
2-writing style
3-way of presentation to follow the case
4- clarity of information provided need to be improved
5- If possible need to update high

Level of interest
Please indicate how interesting you found the manuscript:
An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:
Not suitable for publication unless extensively edited
**Declaration of competing interests**

Please complete a declaration of competing interests, considering the following questions:

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3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

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5. Do you have any other financial competing interests?

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Were you mentored through this peer review?

No