

## Peer Review File

**Article Information:** <http://dx.doi.org/10.21037/apm-20-1394>

### Round 1

#### Review Comments:

This case reports a successful EVT under MAC without any complication. Although some studies on general anesthesia have been reported, the author proposes that MAC can benefit patients more. The case report is detailed and thought-provoking. However, there are some concerns listed below:

1. Key words: please add “case report” in Key words.

Reply: I added “case report” in Key words.

Changes in the text: Page 3, Line 14

2. Abstract:

1) The word count is 200-350.

Reply: I corrected the abstract.

Changes in the text: Page 2, Line 2-17

2) This case was successful, however, have any similar cases been reported before? Regarding unique of this case, it's suggested that pointing out what is different in this case compared with similar cases.

Reply: I described case reports using general anesthesia for EVT. Almost of the case reports focused on the procedure, there's no definite description of anesthesia method, but they used endotracheal intubation, which is different from MAC.

Changes in the text: Page 7, Line 6-10

3) What is the status of EVT and anesthesia? What gap exists? It is suggested to add this

content, with one or two sentences.

Reply: I'm so sorry no to understand this question. However, there is differences between general anesthesia and MAC. MAC is a type of anesthesia, which dosen't need to intubate the patient.

Changes in the text: Page 2, Line 7-8

4)What's the take-away lessons?

Reply: The take-away lessons is described in conclusion

Changes in the text: Page 8, Line 1-9

3. Introduction: please supplement information about background.

1)What are the effects of different anaesthesia in such cases?

Reply: I described the reason why we used MAC for this case. I think it's possible to use MAC for similar case.

Changes in the text: Page 7, Line 11-15

2)Although there is no definite guideline, what is usually done when others meet this situation?

It also could highlight the unique of MAC.

Reply: I already described that EVT usually performed under general anesthesia. That's the preferences for physician to select a method for EVT.

Changes in the text: Page 3, Line 9-10

4. Follow-up: what's the follow-up outcomes? If there are follow-up, please provide more detailed information regarding checklist 10b.

Reply: There was no anesthetic and surgical complications. The patient was discharged on the 78th POD without any other complications.

Changes in the text: Page 5, Line 10-11

5. Timeline: a timeline figure is suggested regarding checklist 7. Similarly, treatment should also supplement time in the article.

Reply: I made a timeline as a figure 2.

Changes in the text: There is no change in the text, I just attached Figure 2 and legends (Page 11, Line 6-11).

6. Discussion: please discuss in depth about MAC.

1) What is strength AND limitation in this case? Please provide information regarding checklist 11a.

Reply: I already described the limitation of MAC. However, there was no adverse event in this case which is related with MAC.

Changes in the text: Page 7, Line 22-24

2)I suggest summarizing the advantages and disadvantages of MAC and general anesthesia.

Reply: I already described the advantage of general anesthesia and limitation of MAC.

Changes in the text: Page 7, Line 6-10, 22-24

3) What conditions are MAC and anesthesia used respectively? Under what condition MAC and anesthesia can be combined ?

Reply: I described the reason why we used MAC for this case. I think it's possible to use MAC for similar case. MAC is a type of anesthesia, and MAC could be changed to general anesthesia when the depth of anesthesia is very deep or the respiratory function cannot be maintained under MAC. MAC and general anesthesia cannot be combined.

Changes in the text: Page 7, Line 11-15

4)Have any similar cases been reported before about MAC, thus further proving MAC benefits more patients.

Reply: No other case report using MAC for cervical EVT

Changes in the text: N/A

7. I suggest that the author summarize the relevant studies reported so far into a table, so that readers can clearly understand the current application of different anesthesia.

Reply: I described case reports using general anesthesia for EVT. Almost of the case reports focused on the procedure, there's no definite description of anesthesia method.

Changes in the text: Page 7, Line 6-10

## **Round 2**

### **Review Comments:**

1. Timeline: Also provide outcome at each stage and vital patient information before POD0.

Reply: I added that information in the figure of timeline.

Changes in the text: N/A

2. Abstract: take-away lessons need be presented here too.

Reply: I added take-away lessons in the abstract.

Changes in the text: Page 1, Line 18-21