Reviewer’s report

Title: SURGICAL TREATMENT OF ENDOPERITONEAL METASTASES FROM LUNG CANCER: REPORT OF TWO CASES AND REVIEW OF THE LITERATURE

Version: 0 Date: 18 Mar 2019

Reviewer: Subhasish Bose

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?
   Yes

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
      - Medical, family and psychosocial history
      - Relevant past interventions and their outcomes
   YES to all
b. The relevant physical examination findings: adequate

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.

- adequate

d. Diagnostic assessments, including:
   - Diagnostic methods
   - Challenges (e.g., financial, language/cultural)
   - Reasoning and prognostic characteristics (e.g., staging), where applicable

ADEQUATE except as discussed below

e. Types and mechanism of intervention - adequate

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: Yes except as discussed below

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: yes

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

9. Additional comments for the author(s)? Please see below

Sibio et al presented two cases of peritoneal metastases from Lung cancer and how debulking surgery on the peritoneal metastatic tumors lead to overall improved survival.

The article with description of the two cases and review of literature is well written. I have the following concern and suggestions as a reviewer:

Major:

Page 3:
Authors report that there is no reports available in the literature about patient with diffuse peritoneal metastasis from lung cancer.

However, there are reports on pubmed that describes the incidence of peritoneal metastasis in lung cancer patients. I understand that it is a rare entity.

Satoh et al reported that only 0.77% of patients with advanced lung cancer developed peritoneal metastasis during their clinical course. [1] Besides, metastatic involvement of the peritoneum is seen in 2.7-16% of lung cancer autopsy findings. [2] These findings suggest that undiagnosed peritoneal dissemination in the clinical course of lung cancer can be present.


Therefore, authors might want to consider elaborating on the literature search that they performed and also report the available information of incidence of such cases from existing article reports.

Page 4 and 5:

The two cases of lung cancer reported were NSCLC and adenocarcinoma. Both were T1N1M0 at the time of initial diagnosis. The authors need to provide information regarding the "usual" life expectancy and prognosis of patients with similar features so that the readers can compare the extent of prognostic and survival difference the discussed cases have that are being described here in this article as "unexpectedly good prognosis and longterm survival".

Page 7:

Authors have indicated that survival in peritoneal metastases patients who undergo extensive surgical debulking is strictly dependent on the surgical result or completeness of cytoreduction score, CCS. It would be helpful to get the CCS of the cases discussed here in the article to help readers understand how that matches against the limited data that is available with respect of similar cases.

Minor:

Page 4: Please elaborate full form of "ECOG" acronym

Page 9: The references on the reference section must carry a number to identify their place and context in the article.

Consider presenting the key features of the two cases in a tabulated way for easier review by a reader.
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:

Needs some language corrections before being published

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

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

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

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal

Were you mentored through this peer review?

No