**Reviewer’s report**

**Title:** One-lung ventilation to treat hepatic dome lesion: a further step towards minimally invasive surgery

**Version:** 0  **Date:** 21 Dec 2018

**Reviewer:** Sachin Gandhi

**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 ethics approval documented.

   Statement of written, informed consent from patient was obtained.

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
b. The relevant physical examination findings

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
   - Challenges (e.g., financial, language/cultural)
   - Reasoning and prognostic characteristics (e.g., staging), where applicable

e. Types and mechanism of intervention

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

Comments:

Relevant patient characteristics and details of the clinical course are presented clearly.

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

Comments:

The authors give appropriate context and background to the case and methods used, serving the general medical reader well. The novelty of the case is discussed well and is rightfully distinguished from the existing, published literature regarding the thermal ablation of hepatic dome lesions.

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:

Abstract is a concise, accurate representation of the manuscript.

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

Percutaneous access for ablation of hepatic dome lesions is often problematic due to encompassing right lung tissue. Several documented approaches to circumvent this include artificial pleural effusion, pneumothorax, and even multiplanar MRI to gain access to the tumor bed. The authors present a case of utilizing one-lung ventilation in order to collapse the contralateral lung to successfully treat a hepatocellular carcinoma dome lesion. Patient follow-up of 4 months without complications highlight the potential of this technique in well-selected patients. Few data points exist regarding this technique, making it a useful contribution to medical literature.

9. Additional comments for the author(s)?

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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

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

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No