Reviewer's report

Title: Stress-induced hyperthermia in a patient with small cell lung cancer: an individual case report

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Reviewer: Vythialingam Sathiaseelan

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The authors report in this case study a successful treatment of a lung cancer patient diagnosed with psychogenic hyperthermia. This patient had undergone chemotherapy and radiotherapy for lung cancer and had been having persistent low temperature fever for more than six months following conclusion of the cancer treatment. He was treated with drip intravenous antibiotics for infection during this time but the fever did not decrease. The authors diagnosed stress induced hyperthermia following observation of patient's behaviour during consultation and following administration of a stress test (Hamilton Anxiety Scale) a diagnosis of severe anxiety was confirmed. According to the authors, this is a first report of such a case eventhough there have been a number of laboratory studies published in the literature using mice and rats.

A literature search carried out by this reviewer confirms no other studies reported in the cancer literature of a similar case. They also cite relevant laboratory studies to make a case for their conclusion. The discussion is well written. This case report will be of interest to the readers of this journal and of value in their clinical practice. Therefore I recommend publication of this case study. The manuscript follows the BMC Cancer guidelines for such reports. However, it would be helpful to have an editorial service to review and assist with making it more easily readable.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.