



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 82612

**Title:** Malignant melanoma resection and reconstruction with the first manifestation of lumbar metastasis: A case report

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03312470

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Russia

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-12-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-24 09:39

**Reviewer performed review:** 2022-12-25 09:37

**Review time:** 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous
	Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No

### **SPECIFIC COMMENTS TO AUTHORS**

This case report demonstrates that surgical resection of the damaged lumbar vertebra 2 followed by three-dimensional (3D) printed artificial vertebral body reconstruction has significantly improved the neurological condition of the MM patient. My comments and suggestions. 1. It should be explained why this particular type of surgical intervention was chosen, rather than minimally invasive surgery. 2. The MS is addressed to surgical treatment, while the discussion is mainly devoted to systemic therapeutic treatments, including treatments that have nothing to do with this case.



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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

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**Reviewer's code:** 03537202

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Adjunct Professor, Doctor, Professor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-12-24

**Reviewer chosen by:** Geng-Long Liu

**Reviewer accepted review:** 2023-02-07 21:05

**Reviewer performed review:** 2023-02-17 12:01

**Review time:** 9 Days and 14 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Novelty of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
<b>Creativity or innovation of this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

Authors reported a case report article about metastatic malignant melanoma to lumbar spine.    **STATUS:** ACCETTABLE FOR PUBBLICATION PENDING MINOR REVISIONS    **General considerations:** This is an original article including a broad review of literature. The paper is well-written, and the work is very interesting. There are only a few articles in literature about this topic. I recommend its publication, pending minor revisions.    **Abstract:** the abstract appropriately summarize the manuscript without discrepancies between the abstract and the remainder of the manuscript.    **Keywords:** adequate.    **Paper** On some aspects, the authors should address: 1)In case report you wrote: “A magnetic resonance imaging (MRI) of the lumbar vertebrae revealed that the bone of lumbar vertebrae 2 has been damaged, and the left vertebral arch has been involved. Because malignant tumors cannot be ruled out, further diagnosis and treatment are advised”. I think it's more accurate to say that the MRI revealed solid tissue involving.... Please, specifies the signal characteristics of that tissue on T1 and T2 and after contrast administration. Only later, I would talk about CT and lytic lesion. 2)Why are the MR images presented after the CT in Figure 1? Wasn't



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**https://**www.wjgnet.com

the MRI performed first? 3)It is not clear which diagnostic method was used to investigate metastatic lesions to the liver. Please, specify. Did you perform an ultrasound examination before going to PET? Even if an ultrasound exam has not been performed, it would be appropriate to briefly discuss the practical utility of this method as a first-level examination (with the advantage of extemporaneous CEUS). You could discuss the following article about, which you must cite in the reference. -Rectal melanoma presenting as a solitary complex cystic liver lesion: role of contrast-specific low-MI real-time ultrasound imaging. *J Ultrasound*. 2015 Oct 6;19(2):135-9. doi: 10.1007/s40477-015-0182-1. PMID: 27298643; PMCID: PMC4879010. 4)Is this tumor histotype possibly associated with multiple primary malignancies? Discuss these articles and cite them. In the first of the two suggested articles, you will also find the correct diagnostic approach to multiple neoplasms. -Synchronous tumours detected during cancer patient staging: prevalence and patterns of occurrence in multidetector computed tomography. *Polish Journal of Radiology*. 2020; 85, e261 - e270. -Increased risk of second primary cancers after a diagnosis of melanoma. *Arch Dermatol*. 2010 Mar;146(3):265-72. doi: 10.1001/archdermatol.2010.2. PMID: 20231496; PMCID: PMC3076705. 5)A linguistic revision would be advisable. Reference: please, add the ones that I suggested you.