

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

Scientific quality	<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 Grade E: Do not publish
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] 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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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: 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

Scientific quality	<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
Novelty of this manuscript	<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
Creativity or innovation of this manuscript	<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

Scientific significance of the conclusion in this manuscript	<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
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	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

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.