

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 87074

Title: Calcitriol induced hypercalcemia - a rare phenomenon in lung cancer: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03289068

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor

Reviewer's Country/Territory: Italy

Author's Country/Territory: United States

Manuscript submission date: 2023-07-26

Reviewer chosen by: Geng-Long Liu (Quit 2023)

Reviewer accepted review: 2023-07-26 11:49

Reviewer performed review: 2023-07-28 22:59

Review time: 2 Days and 11 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 Grade E: Do not publish
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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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

The reported case is rare, but interesting. My main concern is about the patient's follow up: we know that at one month her calcium remained normal, however, how frequently she needed (or is expected to need) zoledronic acid? Was the tumor treated? how was it response to therapy? Moreover: I couldn't find an evaluation of the calcium excretion (24h urine calcium, urine Ca/Cr ratio, etc): is there any? Are there the values for the serum/plasma ionized calcium? Do you have any magnesium measurement? or phosphate? Any of these could have "suggested" the diagnosis, given the suppressed PTH? Is there any analytical problem (ie circadian rythm, preanalytic bias, etc) the reader should know about calcitriol measurement? Why did you choose to treat the patient even if the severe hypercalcemia was asymptomatic (or paucisyntomatic)? Totally agree that biphophonates should be a first line therapy of hypercalcemia. I think most authors/readers could agree on this point (ie: Treatment of Hypercalcemia of Malignancy in Adults: An Endocrine Society Clinical Practice Guideline. J Clin Endocrinol Metab. 2023;108(3):507) The case by Shah et al (<https://doi.org/10.1530/EDM-22-0371>) could be included in the introduction. I was

wondering if a reduced/altered liver metabolism of calcitriol ore 24,25-vitD could partially explain the degree of hypercalcemia Keywords are missing: please add them Units are not SI units, but they are clear enough and should not be changed.

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Reviewer's code: 06125275

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Assistant Professor

Reviewer's Country/Territory: Algeria

Author's Country/Territory: United States

Manuscript submission date: 2023-07-26

Reviewer chosen by: Geng-Long Liu (Quit 2023)

Reviewer accepted review: 2023-08-23 09:00

Reviewer performed review: 2023-08-23 09:47

Review time: 1 Hour

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Novelty of this manuscript	<input type="radio"/> Grade A: Excellent <input checked="" type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Why you dont use immunohistochemistry in the study of the liver core biopsy? In figure we notice in the upper pole of the spleen a well limited lesion with a low density. Is it related to a metastatic spread? Please detail clearly what you mean by "granulomatous disease"? The title of the 13th bibliography reference must be written in minuscule letters.