

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 80759

Title: Thyrotoxicosis in patients with a history of Graves' disease after SARS-CoV-2 Vaccination (Adenovirus vector vaccine): Two case reports

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06275221

Position: Peer Reviewer

Academic degree: MD

Professional title: Director

Reviewer's Country/Territory: United States

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-11-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-01 18:25

Reviewer performed review: 2022-11-01 18:35

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 Grade E: Do not publish
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



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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

Great cases identifying unusual side effect of covid vaccines. This should be a diagnosis of exclusion, I would recommend adding more context about how other possibilities were ruled out. Why this could not have been due to a simple viral infection or triggered by any other factors.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02728559

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-11-01

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-12-09 04:11

Reviewer performed review: 2022-12-09 04:49

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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
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
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Re-review	<input checked="" type="checkbox"/> Yes <input 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 authors presented two cases about hyperthyroidism and thyroid storm after SARS-Cov-2 vaccination. The authors provided very significant data, as few cases have addressed this topic in the past. There are some minor comments should be addressed (1) line 97: time of onset of case 2 is unclear. I think a more specific time of onset would be more valuable for similar cases. (2) Graves' disease has a high recurrence rate after drug therapy. Are there other predisposing factors for case 2 recurrence? please add details

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05480683

Position: Peer Reviewer

Academic degree: PhD

Professional title: Academic Fellow, Academic Research, Adjunct Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: Taiwan

Manuscript submission date: 2022-11-01

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-12-09 19:07

Reviewer performed review: 2022-12-10 15:05

Review time: 19 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

The case report manuscript entitled “Thyrotoxicosis in patients with History of Graves’ disease after SARS-CoV-2 Vaccine (Adenovirus vector vaccine): Two case reports” (Manuscript ID: 80759 World Journal of Clinical Cases) by Dr. Yan and Dr. Luo concisely describes two cases with underlying Graves’ disease (GD) in remission which developed thyrotoxicosis that underwent COVID-19 vaccination. A relationship between COVID-19 vaccination and the onset of thyroid dysfunction in patients with underlying Graves’ disease in remission has been hypothesized. COVID-19 vaccination induced thyroid dysfunction, but the pathophysiology is unknown. I recommend a minor revision. I have several comments for improving the manuscript General comments 1. I strongly recommend improving the introductive section by introducing more notions on SARS-CoV-2 pandemic and thyroid dysfunction. Since data on thyroid dysfunction after receiving the SARS-CoV-2 vaccine have been published, they can be included in this section alongside supporting references. For completeness, if present, notions on SARS-CoV-2 infection and thyroid dysfunction should be included, authors can check (DOI: 10.1210/endo/bqab004) 2. The quality of figures 2 and 4 should be improved 3. Terms such as “she” should be avoided throughout the text 4. Authors should include the ethical authorization 5. Have vaccine boosts doses been performed during the follow up? 6. References in this style “(1) (2) etc...” should be moved before commas/periods Minor observations Line 71 this reference on SARS-CoV-2 infection should be included (DOI: 10.3390/microorganisms10061193) Line 94 the hospital name should be detailed. Line 154 better “the patient received” Lines 184-186 English should be improved