

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72680

Title: Subcutaneous infection caused by Mycobacterium abscessus following cosmetic injections of botulinum toxin: 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: 2021-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-28 09:19

Reviewer performed review: 2021-10-30 10:42

Review time: 2 Days and 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 Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input checked="" type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input checked="" type="radio"/> Yes <input type="radio"/> 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
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SPECIFIC COMMENTS TO AUTHORS

Authors reported an original case report of a patient with multiple abscesses and nodules on her forehead and both temporal sites after cosmetic injections of botulinum toxin. STATUS: ACCETTABLE FOR PUBBLICATION PENDING MINOR REVISIONS

General considerations: The work consists of a case report article with a review of the literature. The article is very interesting and well written. Although the topic is rare, the article is not the only one about. However, I recommend its publication because it is done very well. I suggest implementing the article further with some changes. Abstract: the abstract appropriately summarize the manuscript without discrepancies between the abstract and the remainder of the manuscript. Keywords: adequate. Reference: inadequate. Please, follow my suggestions. Paper On some aspects, the authors should address: 1)Why wasn't a skin ultrasound performed? If it has been performed, it would be interesting to propose the US images. Nonetheless, a brief discussion on the added value that skin ultrasound can provide, especially with high frequency probes, would be necessary. 2)Iatrogenic minimally invasive procedure include a whole range of aesthetic and cosmetic rejuvenation interventions which have increasingly expanded in the last two decades mainly because of the patient demand for a minimally invasive approach. It would be appropriate to list the possible complications of minimally invasive treatments, especially life-threatening ones such as pseudoaneurisms, which can break and bleed. To simplify your work, I did a literature search for you. Discuss and cite all the following works. -A rare complication with PA of the frontal branch of the STA after Botox injection was described earlier in the literature by Prado A et al: Prado A, Fuentes P, Guerra C, Leniz P, Wisnia P (2007) Pseudoaneurysm of the frontal

branch of the superficial temporal artery: an unusual complication after the injection of botox. *Plast Reconstr Surg* 119(7):2334-2335. -Skaf et al. described a similar case of PA occurring after Botox injection: Skaf GS, Domloj NT, Salameh JA, Atiyeh B (2012) Pseudoaneurysm of the superficial temporal artery: a complication of botuli- num toxin injection. *Aesthetic Plast Surg* 36(4):982-985. <https://doi.org/10.1007/s00266-012-9881-6>[Epub 2012 Apr 7] -Another group already reported a complication of minimally invasive aesthetic procedure of facial rejuvenation (Aptos Thread-Lifting 2G technique) resulting in the development of a STA PA: Corvino A, Catalano O, de Magistris G, Corvino F, Giurazza F, Raffaella N, Vallone G. Usefulness of doppler techniques in the diagnosis of peripheral iatrogenic pseudoaneurysms secondary to minimally invasive interventional and surgical procedures: imaging findings and diagnostic performance study. *J Ultrasound*. 2020 Dec;23(4):563-573. doi: 10.1007/s40477-020-00475-6. Epub 2020 May 20. PMID: 32436181; PMCID: PMC7588580. Figures: good. Try to insert ultrasound images. It would be an added value of the article.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05910223

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-28 05:25

Reviewer performed review: 2021-10-30 11:01

Review time: 2 Days and 5 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: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

Thank you for having an opportunity to review this case report by Dr. Deng, et al. They reported a rare case of a subcutaneous infection caused by *Mycobacterium abscessus* following cosmetic injections of botulinum toxin. The authors emphasized the importance of the recognition of this case due to the recent popularity of cosmetic surgery. Although their report is valuable, there are several major and minor points which should be addressed for the acceptance. Major 1. The authors should explain why they further examined bacterial tests for NTM in this case after bacterial culture was negative from the first skin biopsy. Minor 1. In the title page, the address of the second hospital should be described properly. 2. It would be better that main laboratory findings are summarized in table. 3. Pathological images of the biopsy with higher magnification should be presented. 4. If available, the authors had better to present antimicrobial susceptibility data as a table. 5. Please describe the terms, searching duration and information of website for searching previous case reports. 6. In the literature review part, "Botulinum toxin injection 7 (38.9%),," looks incorrect. "7 cases of Botulinum toxin injection (38.9%)" seems to be better. The other parts should also be modified. 7. In the last paragraph of Discussion section, I think "Therefore, the microbacteria infection should be ~" is not proper. "Therefore, NTM infection should be ~" seems to be better in this sentence. 8. In the table of literature review, all abbreviations should be spelled out in the footnotes, for examples, m/w/d, y, F and so on.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06124644

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2021-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-26 19:02

Reviewer performed review: 2021-11-08 02:13

Review time: 12 Days and 7 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 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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**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

Dear author, It is well written rare case, it would be useful if you could attach some photos of your patient (if possible) and the procedure