

CORRECTION

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# Correction: Comparison of analgesic efficacy of different local anesthetic volumes for erector spinae plane block in thoracotomy patients; a prospective randomized trial

Musa Zengin<sup>1\*</sup>, Hilal Sazak<sup>1</sup>, Ramazan Baldemir<sup>1</sup>, Gulay Ulger<sup>1</sup>, Dilara Arican<sup>1</sup>, Oya Kaybal<sup>1</sup> and Ali Alagoz<sup>1</sup>

Correction: *BMC anesthesiol* 23, 42 (2023) <https://doi.org/10.1186/s12871-023-02004-4>

Following the publication of the article [1], it was noticed that there was a lack of expression and a citation error.

In the first paragraph of the discussion section of the article, there is the statement ‘To the best of our knowledge, this is the first randomized controlled trial to compare postoperative analgesia to use different local anesthetic volumes for ESPB after thoracotomy.’ However, in the third paragraph of the discussion section, there is the statement ‘To our knowledge, there are no studies comparing ESPB block applications using different local anesthetic volumes.’ This second statement did not specify that ESPB application covers thoracotomy patients. The correct expression should have been ‘To our knowledge, there are no studies comparing ESPB block applications using different local anesthetic volumes after thoracotomy.’ However, Abdella et al [2] compared different volumes for ESPB after mastectomy and Altıparmak et al [3] analyzed 2 different concentrations of bupivacaine in mastectomies.

A citation error was made in the same paragraph of the discussion section. The studies of Forero et al. were mixed. Then, the citation was made to another article by Forero et al.

Correctly cite ‘To our knowledge, there are no studies comparing ESPB block applications using different local anesthetic volumes after thoracotomy. However, in a case series with different volumes, it was reported that the block level increased up to 9 dermatomes in a case in which 30 ml of local anesthetic was applied [4]. In studies conducted to determine the optimal level at which volume expansion can be achieved, it has been shown that this volume varies in a wide range such as 2.5 mL/ and 6.6 mL per dermatome, while the median value is 3.4 mL [5]’ should be in the form.

We apologize for any inconvenience caused by this error.

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## References

1. - Zengin M, Sazak H, Baldemir R, Ulger G, Arican D, Kaybal O, Alagoz A. Comparison of analgesic efficacy of different local anesthetic volumes for erector spinae plane block in thoracotomy patients; a prospective randomized trial. *BMC Anesthesiol.* 2023 Feb 6;23(1):42. <https://doi.org/10.1186/s12871-023-02004-4>. PMID: 36747119; PMCID: PMC9901132.
2. - Abdella AMMR, Arida EEAEM, Megahed NA, El-Amrawy WZ, Mohamed WMA. Analgesia and spread of erector spinae plane block in breast cancer surgeries: a randomized controlled trial. *BMC Anesthesiol.* 2022 Oct 17;22(1):321. <https://doi.org/10.1186/s12871-022-01860-w>. PMID: 36253729; PMCID: PMC9575234.

The online version of the original article can be found at <https://doi.org/10.1186/s12871-023-02004-4>.

\*Correspondence:

Musa Zengin  
musazengin@gmail.com

<sup>1</sup>Anesthesiology and Reanimation Clinic, University of Health Sciences, Ankara Atatürk Sanatorium Training and Research Hospital, Kuşcağız Mah. Sanatoryum Cad. No: 271, Ankara, Turkey



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3. - Altıparmak B, Korkmaz Toker M, Uysal A, Gümüş Demirbilek S. Comparison of the efficacy of erector spinae plane block performed with different concentrations of bupivacaine on postoperative analgesia after mastectomy surgery: randomized, prospective, double blinded trial. *BMC Anesthesiol.* 2019 Mar;19(1):31. <https://doi.org/10.1186/s12871-019-0700-3>. PMID: 30832580; PMCID: PMC6399855.
4. - Forero M, Rajarathinam M, Adhikary S, Chin KJ. Erector spinae plane (ESP) block in the management of post thoracotomy pain syndrome: a case series. *Scand J Pain.* 2017 Oct;17:325–9. Epub 2017 Sep 12. PMID: 28919152.
5. De Cassai A, Tonetti T. Local anesthetic spread during erector spinae plane block. *J Clin Anesth.* 2018 Aug;48:60–1. <https://doi.org/10.1016/j.jclinane.2018.05.003>. Epub 2018 May 10. PMID: 29753992.

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