

Retraction

RETRACTED: Zanza et al. Ketamine in Acute Brain Injury: Current Opinion Following Cerebral Circulation and Electrical Activity. *Healthcare* 2022, 10, 566

Christian Zanza ^{1,2,3,†} , Fabio Piccolella ^{2,†}, Fabrizio Racca ², Tatsiana Romenskaya ², Yaroslava Longhitano ^{2,3} , Francesco Franceschi ¹ , Gabriele Savioli ^{4,5} , Giuseppe Bertozzi ⁶ , Stefania De Simone ⁶, Luigi Cipolloni ^{6,*}  and Raffaele La Russa ⁶ 

¹ Department of Emergency Medicine, Policlinico Gemelli/IRCCS, University of Catholic of Sacred Heart, 00168 Rome, Italy; christian.zanza@live.it (C.Z.); francesco.franceschi@unicatt.it (F.F.)

² Department of Anesthesia and Critical Care Medicine, Azienda Ospedaliera “SS Antonio e Biagio e C. Arrigo”, 15121 Alessandria, Italy; fpiccolella@ospedale.al.it (F.P.); tatsiana_romenskaya@yahoo.it (T.R.); lon.yaro@gmail.com (Y.L.)

³ Department of Emergency Medicine, Anesthesia and Critical Care Medicine, Michele and Pietro Ferrero Hospital, 12060 Verduno, Italy

⁴ Emergency Department, Fondazione IRCCS Policlinico San Matteo, 27100 Pavia, Italy; gabrielesavioli@gmail.com

⁵ Department of Clinical-Surgical, Diagnostic and Pediatric Sciences, School in Experimental Medicine, University of Pavia, 27100 Pavia, Italy

⁶ Section of Legal Medicine, Department of Clinical and Experimental Medicine, University of Foggia, 71122 Foggia, Italy; giuseppe.bertozzi@unifg.it (G.B.); stefdesim@gmail.com (S.D.S.); raffaele.larussa@unifg.it (R.L.R.)

* Correspondence: luigi.cipolloni@unifg.it; Tel.: +39-0881736903

† These authors contributed equally to this work.

The journal retracts the article titled “Ketamine in acute brain injury: current opinion following cerebral circulation and electrical activity” [1], cited above.

Following publication, concerns were brought to the publisher’s attention regarding an overlap between this paper [1] and an earlier publication produced by a different authorship group [2].

In accordance with the journal’s standard editorial procedures, the Editorial Office and Editorial Board conducted an investigation, which confirmed an extensive overlap in content with the above-mentioned source. Given the extent of the overlap, the Editorial Board determined that the issue could not be adequately addressed through a correction. The article has therefore been retracted in accordance with MDPI’s retraction policy.

This retraction was approved by the Editor-in-Chief of the journal *Healthcare*.

The authors have been informed of this retraction and have indicated their disagreement with this decision.



Received: 4 September 2026

Accepted: 13 September 2026

Published: 21 September 2026

Copyright: © 2026 by the authors.

Licensee MDPI, Basel, Switzerland.

This article is an open access article

distributed under the terms and

conditions of the [Creative Commons](#)

[Attribution \(CC BY\)](#) license.

References

1. Zanza, C.; Piccolella, F.; Racca, F.; Romenskaya, T.; Longhitano, Y.; Franceschi, F.; Savioli, G.; Bertozzi, G.; De Simone, S.; Cipolloni, L.; et al. RETRACTED: Ketamine in Acute Brain Injury: Current Opinion Following Cerebral Circulation and Electrical Activity. *Healthcare* **2022**, *10*, 566. [[CrossRef](#)]
2. Gregers, M.C.T.; Mikkelsen, S.; Lindvig, K.P.; Brøchner, A.C. Ketamine as an Anesthetic for Patients with Acute Brain Injury: A Systematic Review. *Neurocrit. Care* **2020**, *33*, 273–282. [[CrossRef](#)]

Disclaimer/Publisher’s Note: The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.