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EDITED AND REVIEWED BY
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RECEIVED 18 June 2025
ACCEPTED 25 June 2025
PUBLISHED 22 July 2025

CITATION
Silverman GJ, Amarnani AN, Arbini AA,
Kim A, Kopinsky H, Fenyo D and Kister I
(2025) Correction: B cell-extrinsic and
intrinsic factors linked to early immune
repletion after anti-CD20 therapy in patients
with multiple sclerosis of African ancestry.
Front. Immunol. 16:1649409.
doi: 10.3389/fimmu.2025.1649409

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Correction: B cell-extrinsic and intrinsic factors linked to early immune repletion after anti-CD20 therapy in patients with multiple sclerosis of African ancestry

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KEYWORDS

Ocrelizumab, multiple sclerosis, rituximab, CD20, African ancestry, B-cell repletion, genetics, B-cell activating factor

A Correction on

B cell-extrinsic and intrinsic factors linked to early immune repletion after anti-CD20 therapy in patients with multiple sclerosis of African ancestry

By Silverman GJ, Amarnani AN, Arbini AA, Kim A, Kopinsky H, Fenyo D and Kister I (2025) *Front. Immunol.* 16:1590165. doi: 10.3389/fimmu.2025.1590165

Author “Arnaldo A. Arbini” was erroneously spelled as “Arnaldo A. Armini”.

A correction has been made to the **Abstract**, first paragraph (Introduction)

Error:

“In this study, we explored the immunologic and genetic factors, with, serum drug monitoring that may contribute to a faster rate of B-cell repletion that follows during recovery from treatment with anti-CD20 antibody.”

Corrected sentence:

“In this study, we explored the immunologic and genetic factors, with serum drug monitoring, that may contribute to a faster rate of B-cell repletion that follows during recovery from treatment with anti-CD20 antibody.”

A correction has been made to the **Introduction**, first paragraph (after heading “1 Introduction”)

Error:

“Suspicion of the potential roles of B-cells in MS was first suggested based on oligoclonal immunoglobulin bands in the CSF of MS patients (4, 5) and later confirmed

by on the clinical efficacy of B-cell-depleting therapies in suppressing relapses and new MRI lesions in MS (6, 7)."

Corrected sentence:

"Suspicion of the potential roles of B-cells in MS was first suggested based on oligoclonal immunoglobulin bands in the CSF of MS patients (4, 5) and later confirmed by the clinical efficacy of B-cell-depleting therapies in suppressing relapses and new MRI lesions in MS (6, 7)."

A correction has been made to the **Materials and methods**, *Flow cytometric analyses* (Section 2.3), second paragraph

Error:

"Cells were washed fixed, and data was acquired on a 5-laser (355/405/488/561/637 nm) SONY ID7000 Spectral analyzer."

Corrected sentence:

"Cells were washed, fixed, and data were acquired on a 5-laser (355/405/488/561/637 nm) SONY ID7000 Spectral analyzer."

A correction has been made to the **Materials and methods**, *Statistical analyses of genetic SNP* (Section 2.5), second paragraph

Error:

"Additionally, among the significantly overrepresented SNPs (Fisher's exact test, $p < 0.005$) with a positive mean allele frequency in ERs compared to NRs, we identified 317 SNPs of interest that had a mean allele frequency of for NRs but an allele frequency of at least 2 in ERs (Supplementary Table S2)."

Corrected sentence:

"Additionally, among the significantly overrepresented SNPs (Fisher's exact test, $p < 0.005$) with a positive mean allele frequency

in ERs compared to NRs, we identified 317 SNPs of interest that had a mean allele frequency for NRs but an allele frequency of at least 2 in ERs (Supplementary Table S2)."

A correction has been made to the **Discussion**, fifth paragraph (after heading "4 Discussion")

Error:

"In our patients, we observed an appropriate reciprocal decrease in serum BAFF levels concurrent with the period of peripheral B cell replenishment. In MS patients, the differences in BAFF levels in ER and NR thus appear to be a consequence"

Corrected sentence:

"In our patients, we observed an appropriate reciprocal decrease in serum BAFF levels concurrent with the period of peripheral B cell replenishment. In MS patients, the differences in BAFF levels in ER and NR thus appear to be a consequence."

The original version of this article has been updated.

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