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**DOI: 10.3389/fneur.2019.00603**

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# Corrigendum: The Blood-Brain Barrier Breakdown During Acute Phase of the Pilocarpine Model of Epilepsy Is Dynamic and Time-Dependent

## OPEN ACCESS

**Approved by:**  
Frontiers Editorial Office,  
Frontiers Media SA, Switzerland

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**Specialty section:**  
This article was submitted to  
Epilepsy,  
a section of the journal  
Frontiers in Neurology

**Received:** 22 April 2019

**Accepted:** 22 May 2019

**Published:** 10 June 2019

**Citation:**  
Mendes NF, Pansani AP,  
Carmanhães ERF, Tange P,  
Meireles JV, Ochikubo M, Chagas JR,  
da Silva AV, Monteiro de Castro G and  
Le Sueur-Maluf L (2019) Corrigendum:  
The Blood-Brain Barrier Breakdown  
During Acute Phase of the Pilocarpine  
Model of Epilepsy Is Dynamic and  
Time-Dependent.  
Front. Neurol. 10:603.  
doi: 10.3389/fneur.2019.00603

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**Keywords:** epilepsy, blood-brain barrier, pilocarpine, status epilepticus, Evans blue, sodium fluorescein

## A Corrigendum on

### The Blood-Brain Barrier Breakdown During Acute Phase of the Pilocarpine Model of Epilepsy Is Dynamic and Time-Dependent

by Mendes, N. F., Pansani, A. P., Carmanhães, E. R. F., Tange, P., Meireles, J. V., Ochikubo, M., et al. (2019). *Front. Neurol.* 10:382. doi: 10.3389/fneur.2019.00382

In the original article, there was a mistake. In the **Discussion**, “Figure 5” was referenced instead of “Figure 7.”

A correction has been made to the **Discussion**, paragraph nine:

“In conclusion, our findings indicate that BBB breakdown is a dynamic phenomenon and time-dependent, i.e., it happens at specific time-points of the acute phase of pilocarpine model of epilepsy, recovering in part its integrity afterwards (**Figure 7**). We show that pilocarpine-induced changes on brain tissue initially increased the permeability of the BBB to micromolecules, and subsequently, after SE, the BBB breakdown to macromolecules occurred. Although the BBB permeability to macromolecules is restored 24 h after SE, the leakage of micromolecules persists and the consequences of BBB degradation are widely disseminated in the brain, which in turn may induce further episodes of BBB breakdown. Together, our data reveal the existence of a temporal window of BBB dysfunction during the acute phase of the pilocarpine model that is important for the development of therapeutic strategies to prevent the epileptogenesis.”

Additionally, **Figure 7** was not provided in the original manuscript. **Figure 7** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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