

Correction

Correction: Elwakil et al. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with *K. pneumoniae* or *P. aeruginosa* Meningitis. *Pathogens* 2022, 11, 933

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In the original publication [1], there was a mistake in Figure 5 and Supplementary Figure S2A as published. There was an error in the sub-image of the first row, the fourth column the sub-image (B) in hippocampus day 5 in Figure 5. In Figure S2A, only change the value of granular layer thickness in the hippocampus on day 5. The corrected Figure 5 and Supplementary Figure S2A appear below.

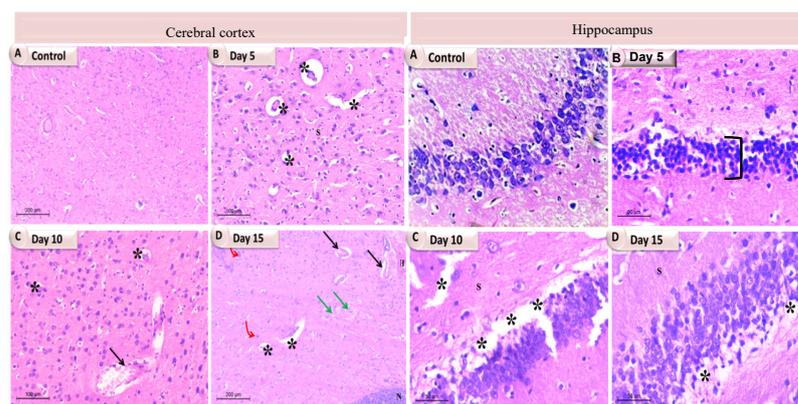
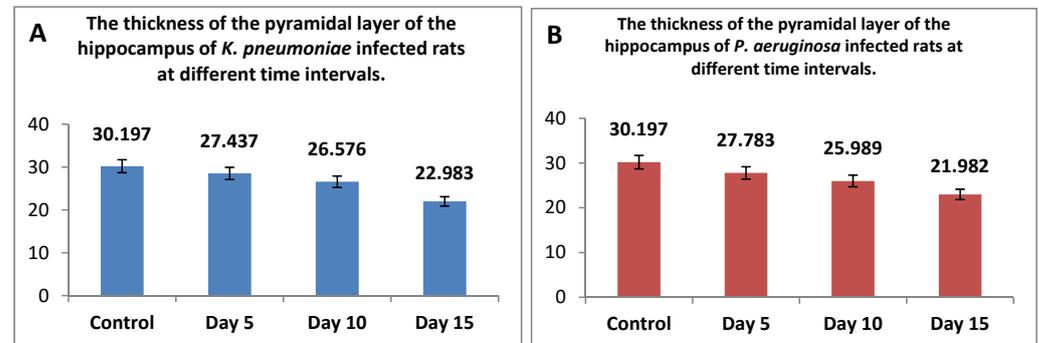


Figure 5. A photomicrograph showing the individual brain tissues at different time intervals of *K. pneumoniae* infected rats. In the cerebral cortex, (A) The control group showing normal cytoarchitecture with normal neurons; (B) Day 5 showing vacuolations (stars); (C) Day 10 showing dilated congested blood vessel (arrow) with perivascular edema and vacuolations (stars); (D) Day 15 showing dilated blood vessels (black arrows), severe congestion (green arrows), vacuolations (stars) and gliosis

(red bent arrows), a large area of necrotic foci in the brain parenchyma along with lymphocyte infiltration and the presence of degenerating and/or apoptotic neurons (N). While in the hippocampus: (A) The control group showing normal cytoarchitecture; (B) Day 5 showing decreased thickness of the pyramidal layer (bracket); (C) Day 10 showing degeneration and vacuolation (stars); (D) Day 15 exhibited a number of vacuolations (stars).



Supplementary Figure S2: The thickness of the pyramidal layer of the hippocampus at different time intervals of infected rats with either (A) *K. pneumoniae*, or (B) *P. aeruginosa* was assessed. Herein, five different fields in each photomicrograph from Figures 5 and 6 at each different time interval of infected rats were analyzed on Intel® Core I7® based computer using VideoTest Morphology® software (Russia) with a specific built-in routine for measuring the thickness of the pyramidal layer of the hippocampus. The difference between *K. pneumoniae* and *P. aeruginosa* in decreasing the thickness of the layer became more evident at day 15 after infection, and it is slightly higher in case of *P. aeruginosa* than *K. pneumoniae*.

The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Elwakil, B.H.; Bakr, B.A.; Aljeldah, M.M.; Shehata, N.S.; Shahin, Y.H.; Olama, Z.A.; Augustyniak, M.; Aboul-Soud, M.A.M.; El Wakil, A. Memory Impairment, Pro-Inflammatory Host Response and Brain Histopathologic Severity in Rats Infected with *K. pneumoniae* or *P. aeruginosa* Meningitis. *Pathogens* **2022**, *11*, 933. [[CrossRef](#)] [[PubMed](#)]

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