

CORRECTION

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# Correction to: Preservation of dendritic spine morphology and postsynaptic signaling markers after treatment with solid lipid curcumin particles in the 5xFAD mouse model of Alzheimer's amyloidosis

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**Correction to: *Alz Res Therapy* 13, 37 (2021)**  
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Following the publication of the original article [1] the authors noticed errors in the published Figs. 2, 4 and 5. The original article [1] has been updated.

Below are the corrected Figs. 2, 4 and 5.

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## Reference

1. Maiti P, Bowers Z, Bourcier-Schultz A, et al. Preservation of dendritic spine morphology and postsynaptic signaling markers after treatment with solid lipid curcumin particles in the 5xFAD mouse model of Alzheimer's amyloidosis. *Alz Res Therapy*. 2021;13:37. <https://doi.org/10.1186/s13195-021-00769-9>.

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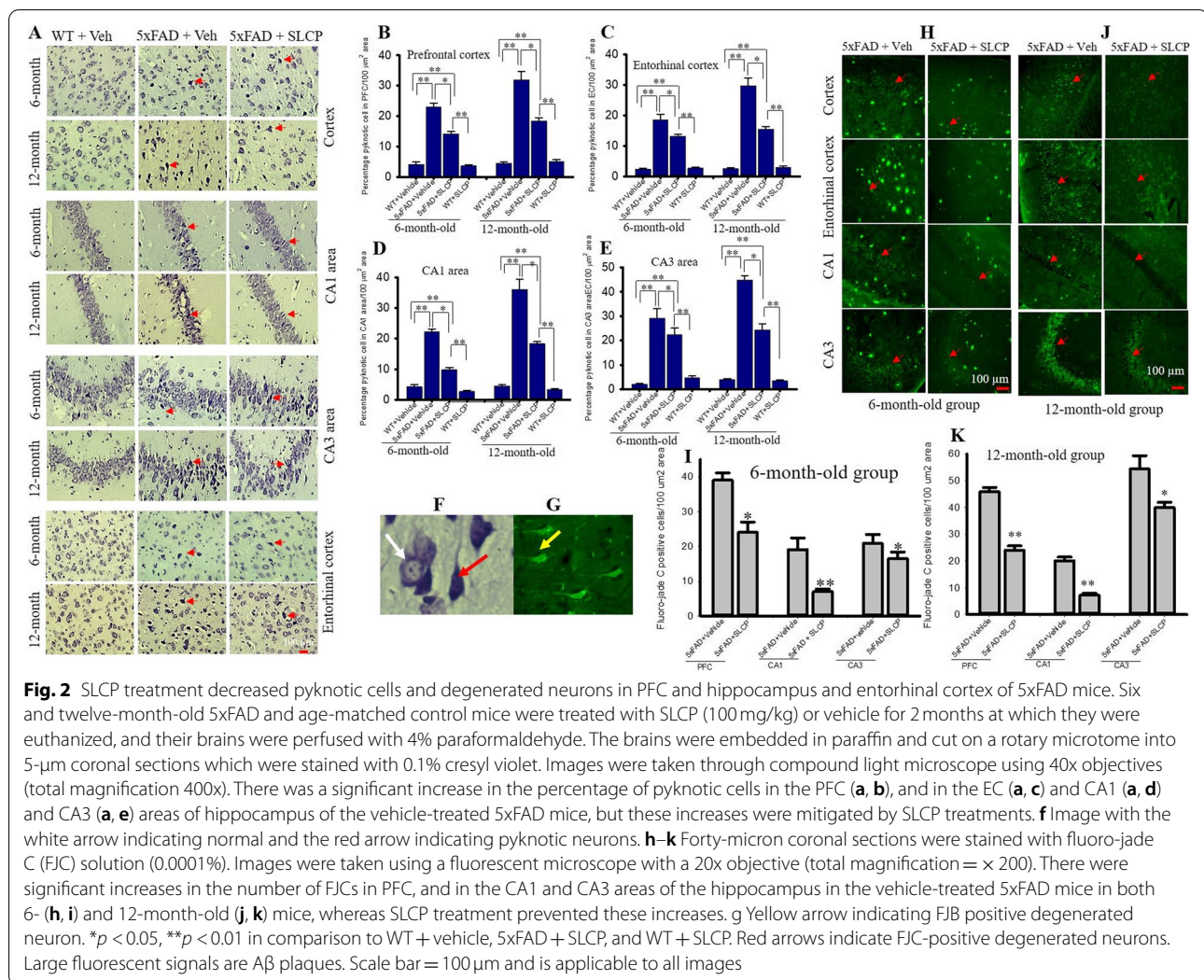
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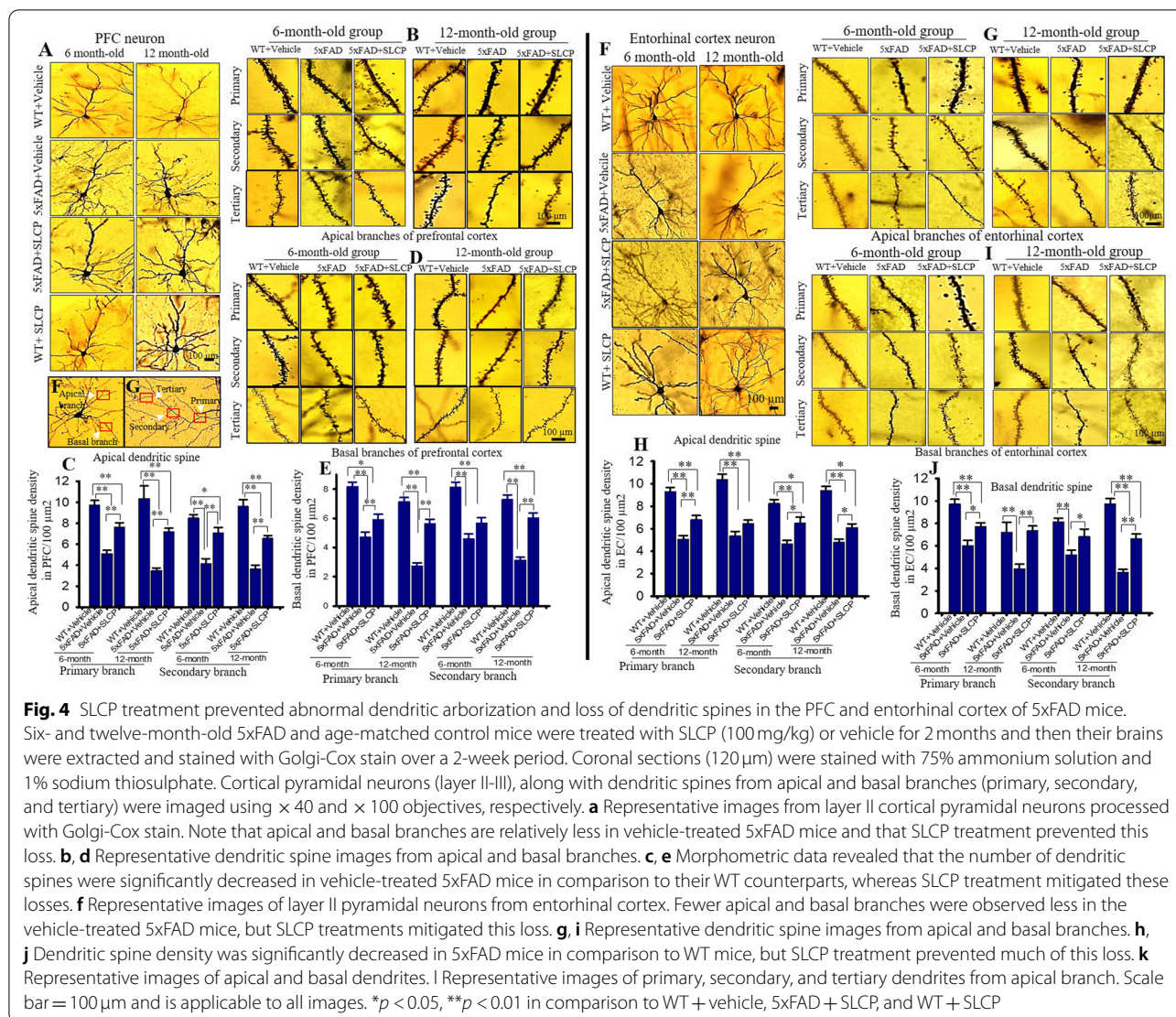
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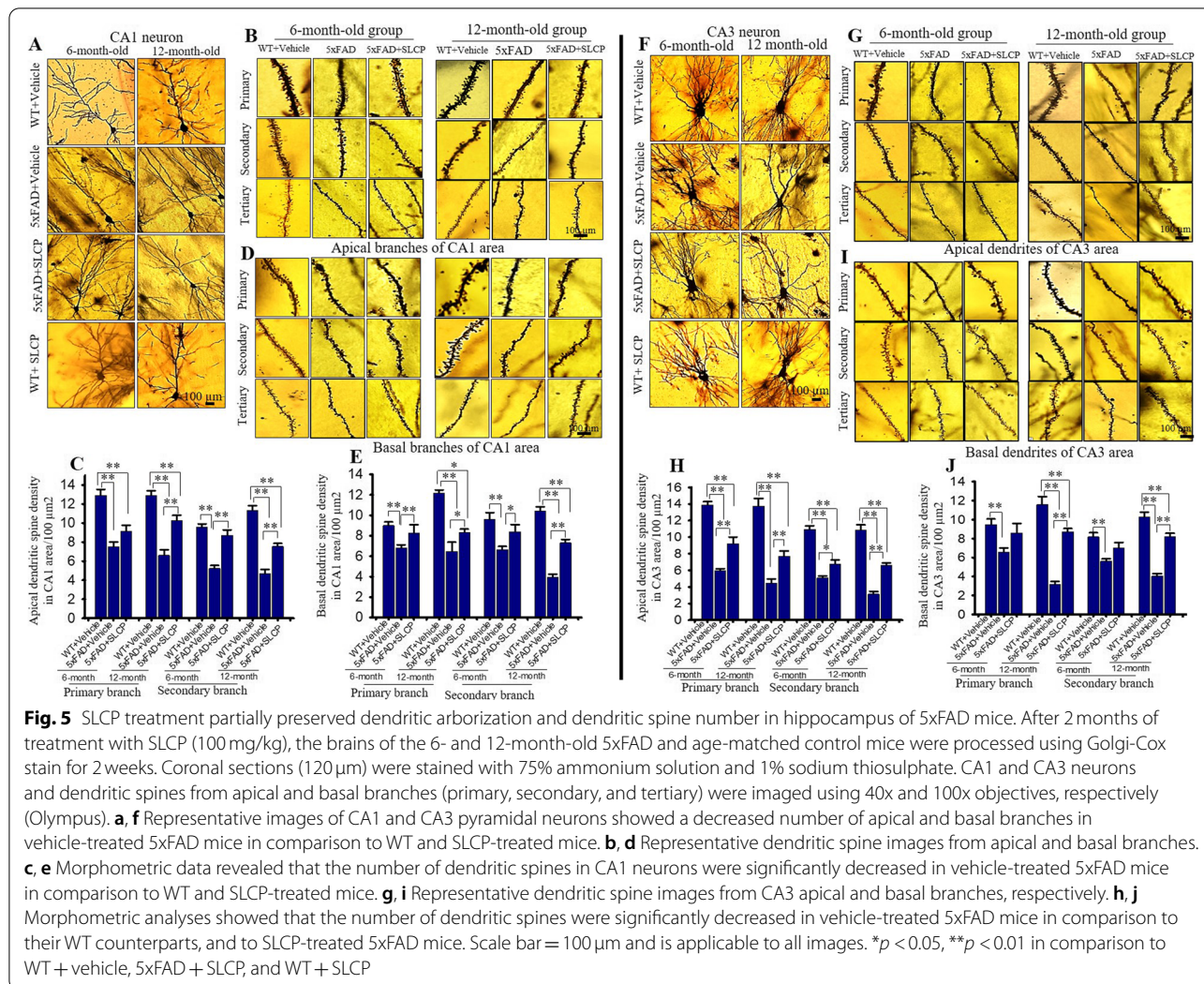


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**Fig. 5** SLCP treatment partially preserved dendritic arborization and dendritic spine number in hippocampus of 5xFAD mice. After 2 months of treatment with SLCP (100 mg/kg), the brains of the 6- and 12-month-old 5xFAD and age-matched control mice were processed using Golgi-Cox stain for 2 weeks. Coronal sections (120 μm) were stained with 75% ammonium solution and 1% sodium thiosulphate. CA1 and CA3 neurons and dendritic spines from apical and basal branches (primary, secondary, and tertiary) were imaged using 40x and 100x objectives, respectively (Olympus). **a, f** Representative images of CA1 and CA3 pyramidal neurons showed a decreased number of apical and basal branches in vehicle-treated 5xFAD mice in comparison to WT and SLCP-treated mice. **b, d** Representative dendritic spine images from apical and basal branches. **c, e** Morphometric data revealed that the number of dendritic spines in CA1 neurons were significantly decreased in vehicle-treated 5xFAD mice in comparison to WT and SLCP-treated mice. **g, i** Representative dendritic spine images from CA3 apical and basal branches, respectively. **h, j** Morphometric analyses showed that the number of dendritic spines were significantly decreased in vehicle-treated 5xFAD mice in comparison to their WT counterparts, and to SLCP-treated 5xFAD mice. Scale bar = 100 μm and is applicable to all images. \* $p < 0.05$ , \*\* $p < 0.01$  in comparison to WT + vehicle, 5xFAD + SLCP, and WT + SLCP