

SUPPLEMENTAL FIGURES

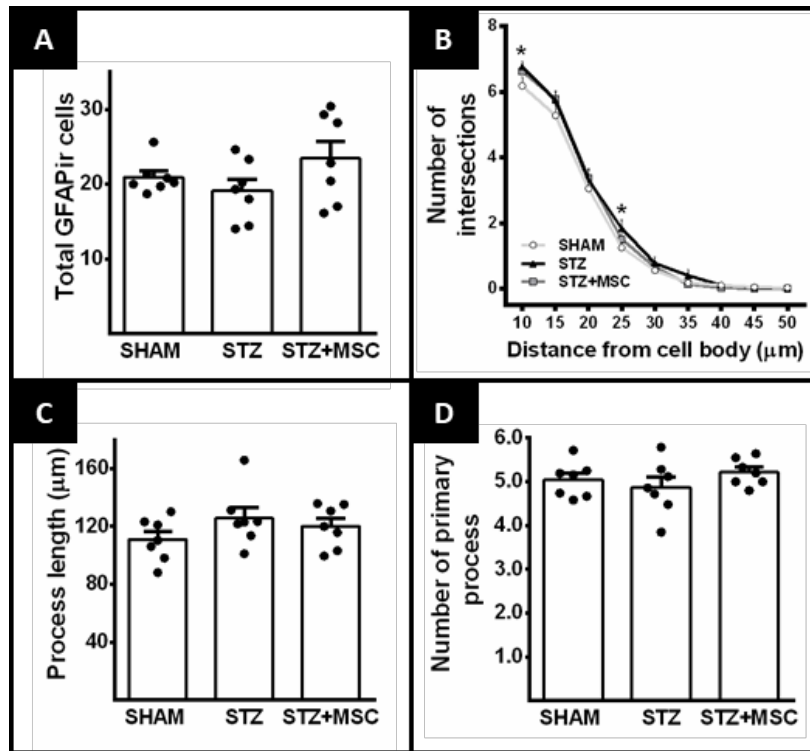


Fig. S1: MSC therapy effect on GFAP immunoreactive (GFAPir) astrocytes in the hippocampal *Stratum Radiatum* (SR). Quantification of total GFAPir cells show no differences between groups (A). GFAPir astrocytes were submitted to Sholl analysis and the number of process intersections per ring was computed as branching complexity (B); STZ-treated group shows an increase in this parameter only at 10 and 25 µm from the cell body, compared to the SHAM group. No significant differences were found between groups in the processes length of astrocytes (C), nor in their number of primary process (D). N=25 astrocytes for each rat. N=7 per group. All data were represented as mean ±SEM. Comparisons were made between groups. *P<0.05.

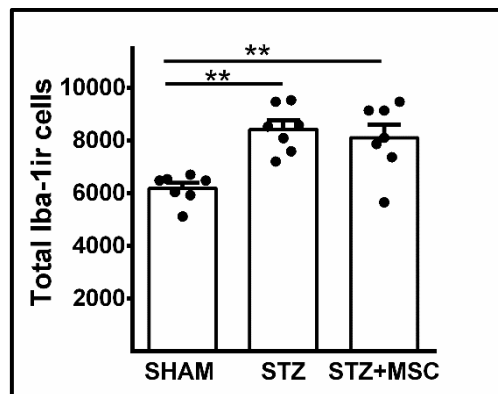


Fig. S2: MSC therapy effect on the total Iba-1 immunoreactive (Iba-1ir) cells in the hippocampal *Stratum Radiatum* (SR). Quantification of total Iba-1ir cells in the SR showing a significant increase in microglial cell number in STZ and STZ+MSC groups, compared to the control. N=7 per group. All data were represented as mean ±SEM. Comparisons were made between groups. **P<0.01