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Supplementary Data

The Radical Scavenger IAC (bis(1-hydroxy-2,2,6,6-tetramethyl-4-piperidinyl) decantionate) Decreases Mortality, Enhances Cognitive Functions in Water Maze and Reduces Amyloid Plaque Burden in hAβPP Transgenic Mice

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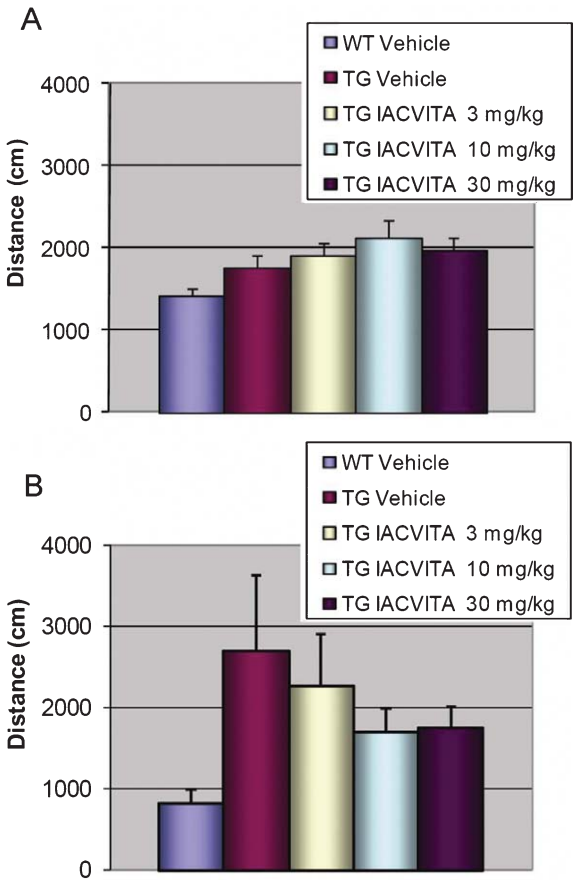
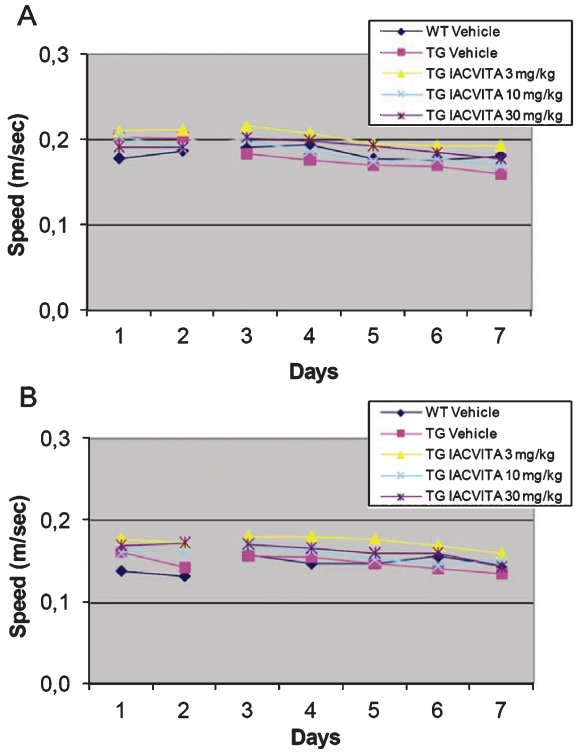
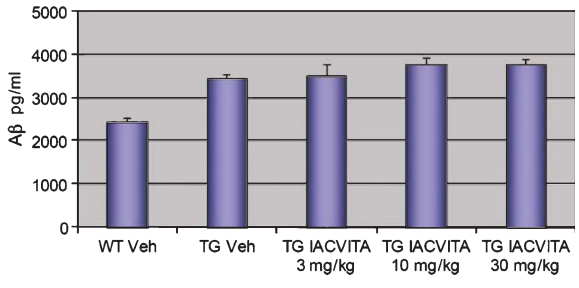


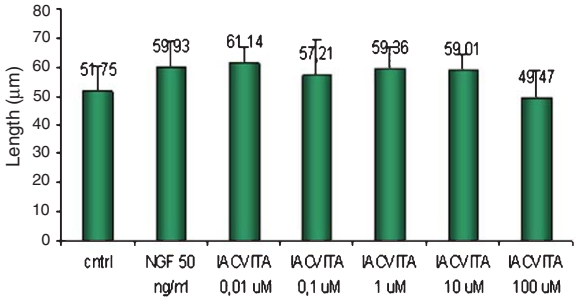
Supplementary Figure 1. The effects of chronic administration of IACVITA on distance traveled (open field activity) at 9 months (A) and 12 months (B) of age. Data are presented as mean ± SEM. (TG mice treated with IACVITA did not show significant differences in distance traveled with respect to vehicle treated mice ($p > 0.1$).



Supplementary Figure 2. The effects of chronic administration of IACVITA on swim speed in the water maze at 9 months (A) and 12 months (B) of age. There were no significant differences in swim speed between the TG treatment groups at 9 or 12 months of age ($p > 0.05$).



Supplementary Figure 3. The effects of chronic administration of IACVITA (3, 10 and 30 mg/kg) on soluble Aβ levels in the cortex, at the age of 12 months. Data are presented as mean ± SEM. TG mice treated with IACVITA did not show significant soluble Aβ levels with respect to vehicle treated mice ($p > 0.1$).



Supplementary Figure 4. Results from neurite length evaluation. Values are presented as Mean ± SD. The length of neurites was determined using Image Pro Plus software. There were no significant changes in neurite length when determined as mean length per process at any treatment.