DHEA-S treatment of FIV animals results in elevation of DHEA and DHEA-S levels in brain and blood. A) Feline cortical samples were analyzed by GC-MS to measure DHEA and pregnenolone levels and revealed significantly reduced levels in FIV animals (n=11) compared to FIV animals (n=4). B) Plasma was isolated from feline blood samples and analyzed by LC-MS to measure levels of DHEA-S. FIV animals treated daily with DHEA-S (n=4) exhibited elevated levels of DHEA-S compared to CD (vehicle)-treated FIV animals (n=3). C, D) Cerebral cortical and basal ganglia samples were processed and analyzed by GC-MS to detect levels of DHEA (C) and DHEA-S (D). Elevated levels of DHEA and DHEA-S were detected in cortex and basal ganglia, but only in DHEA-S-treated FIV animals. CD-treated FIV animals, n=4; DHEA-S treated FIV animals, n=6; CD-treated FIV animals, n=12; DHEA-S treated FIV animals, n=10. Values are expressed as means se. *P 0.05.

Source publication