

Figure S1. Physiological indicators of rats. (A) Green tea reduces blood glucose levels in diabetic rats. (B) Changes in the body weight of rats in each group. (C) Trajectory map of rats in a water maze test. NC, negative control; DM, diabetes model.

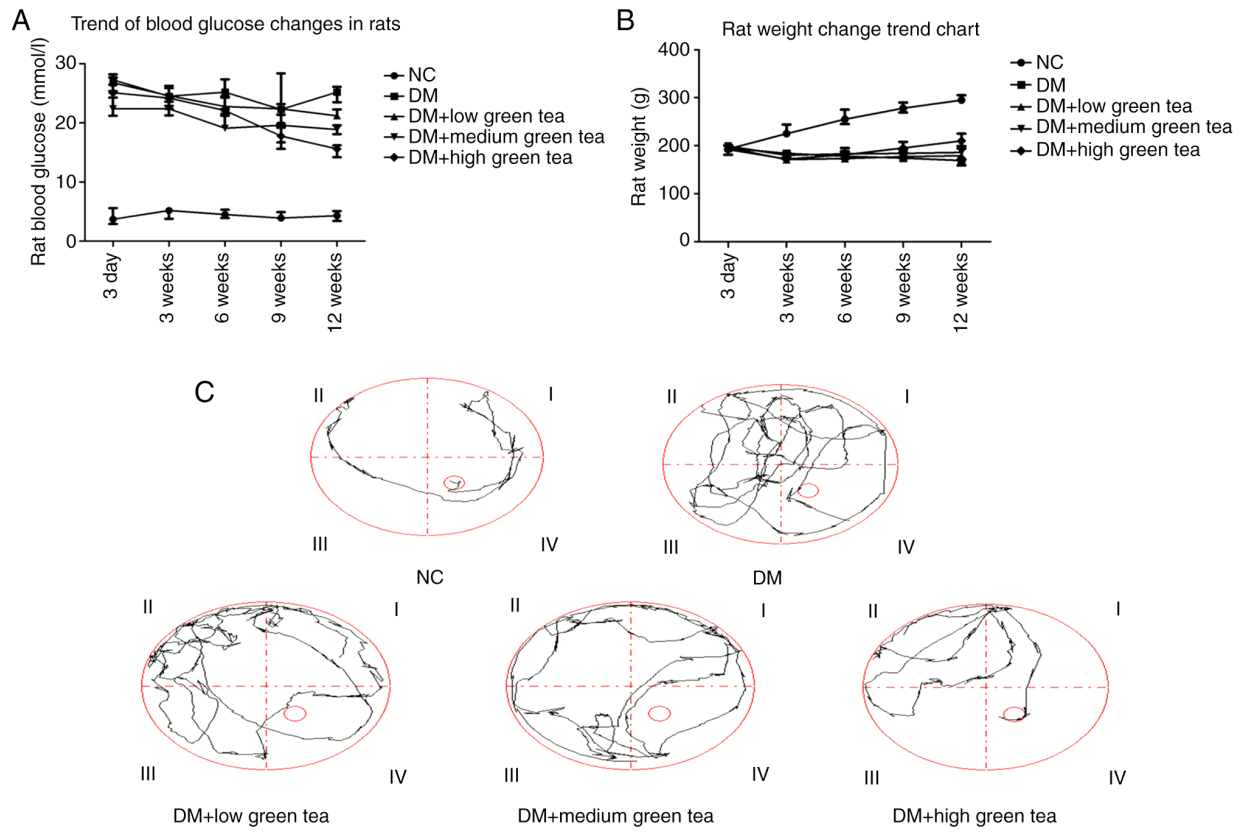


Figure S2. Apoptosis rate of hippocampal neurons in rats. Apoptosis in the hippocampal CA1 area in rats in each group. Each data point represents the mean \pm standard deviation. #P<0.05 vs. the DM group. DM, diabetes model.

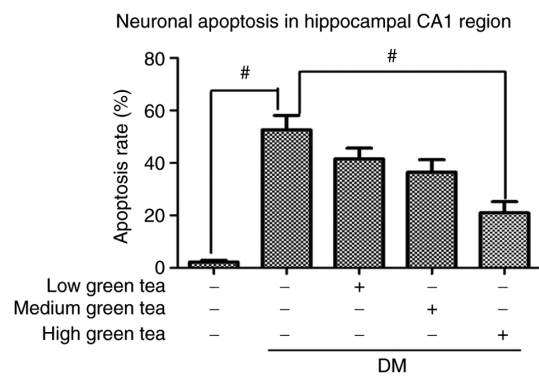


Table SI. Rat swimming speed test in Morris water maze (mean \pm standard deviation).

Indicator	Groups				
	NC (n=12)	DM (n=12)	DM + low green tea (n=12)	DM + medium green tea (n=12)	DM + high green tea (n=12)
Speed, cm/sec	132.12 \pm 4.52	130.34 \pm 6.48	128.45 \pm 5.65	135.38 \pm 4.31	134.72 \pm 6.49

NC, negative control; DM, diabetes model.

Table SII. Morris water maze experimental results in rats (mean \pm standard deviation).

Indicator	Groups				
	NC (n=12)	DM (n=12)	DM + low green tea (n=12)	DM + medium green tea (n=12)	DM + high green tea (n=12)
Escape latency, sec	16.75 \pm 4.56	32.75 \pm 4.48 ^a	28.25 \pm 5.65	25.50 \pm 4.31 ^b	16.91 \pm 3.49 ^b
Number of crossings	7.00 \pm 1.08	2.58 \pm 1.03 ^a	3.58 \pm 1.18	3.00 \pm 1.08	5.50 \pm 1.50 ^b

^aP<0.05 vs. NC group; ^bP<0.05 vs. DM group. NC, negative control; DM, diabetes model.

Table SIII. Neuronal apoptosis in hippocampal CA1 region (mean \pm standard deviation).

Indicator	Groups				
	NC (n=12)	DM (n=12)	DM + low green tea (n=12)	DM + medium green tea (n=12)	DM + high green tea (n=12)
Apoptotic rate, %	2.11 \pm 1.12	54.24 \pm 10.46 ^a	40.45 \pm 8.67	34.53 \pm 9.38	15.74 \pm 5.44 ^b

^aP<0.05 vs. NC group; ^bP<0.05 vs. DM group. NC, negative control; DM, diabetes model.