

Experimental Weeks	IW	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th
HFCS Exposure (3 days of each week)	No exposure Adaptation	+	+	+	+	+	+	+	+
Treadmill Exercise		+	+	+	+	+	+	+	+
Morris Water Maze Test		1 st Trial			2 nd Trial				3 rd Trial
Open Field Test		1 st Trial			2 nd Trial				3 rd Trial

Table 1: Timeline of High Fructose Corn Syrup Exposure, Exercise Protocol, and Morris Water Maze and Open Field Testing in a 8-Week Experimental Period

7-8 weeks old Sprague Dawley albino rats were used in this study. The experimental week numbers correspond to the first day of each week (Mondays). In initial week of the experiment all animals remained in their cages and did not expose to HFCS or undergo any exercise intervention. Rats assigned to the HFCS groups (HFCS and HFCS+EX) received the high fructose corn syrup (20%v/v) in 3 days (Monday, Wednesday, Friday) in each week from the first week of the experiment onward. The exercise protocol was introduced at the 1st experimental week. In 1st, 4th, and 8th experimental weeks rats formerly exposed to MWM test. When all groups finished MWM test in trials, exercise protocol was applied.