

Supplementary data

Table S1: Results of homogeneity and normality of the body weight.

Levene Statistic	df1	df2	Sig.
0.418	5	24	0.831

Table S2: Results of homogeneity and normality of neurotransmitters, oxidative stress, and BDNF in midbrain.

Parameter	Levene Statistic	df1	df2	Sig.
DA	0.70	5	24	0.629
NE	1.135	5	24	0.369
5-HT	0.389	5	24	0.852
GABA	1.252	5	24	0.316
GLU	3.140	5	24	0.025
ASP	1.653	5	24	0.184
GLY	0.592	5	24	0.706
MDA	3.168	5	24	0.025
NO	0.702	5	24	0.627
GSH	0.50	5	24	0.773
BDNF	0.319	5	24	0.897

Table S3: Results of homogeneity and normality of neurotransmitters, oxidative stress, and BDNF in thalamus and hypothalamus.

Parameter	Levene Statistic	df1	df2	Sig.
DA	0.146	5	24	0.979
NE	0.171	5	24	0.971
5-HT	0.914	5	24	0.488
GABA	1.577	5	24	0.204
GLU	1.843	5	24	0.142
ASP	0.736	5	24	0.604
GLY	2.949	5	24	0.033
MDA	0.342	5	24	0.883
NO	0.496	5	24	0.776
GSH	0.975	5	24	0.453
BDNF	1.253	5	24	0.316

Table S4: Results of homogeneity and normality of neurotransmitters, oxidative stress, and BDNF in hippocampus.

Parameter	Levene Statistic	df1	df2	Sig.
DA	3.421	5	24	0.018
NE	1.291	5	24	0.301
5-HT	0.577	5	24	0.717
GABA	1.199	5	24	0.339
GLU	2.129	5	24	0.097

ASP	1.282	5	24	0.304
GLY	2.548	5	24	0.055
MDA	1.335	5	24	0.283
NO	0.908	5	24	0.492
GSH	0.560	5	24	0.730
BDNF	0.485	5	24	0.784

Table S5: Dopamine levels in midbrain in rats exposed to IF (24 hours alternate-day fasting) for one, seven, and fifteen days.

Group	Median	Upper value	Lower value
C1	1.23	1.01	1.29
F1	0.78	0.66	0.98
C2	1.13	0.98	1.16
F2	0.8	0.76	0.97
C3	1.17	0.96	1.23
F3	0.74	0.69	0.88